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THE YEARBOOK OF
THE UNIVERSITIES OF THE EMPIRE

THIRD CONGRESS OF THE UNIVERSITIES OF THE EMPIRE, 1926.

REPORT OF PROCEEDINGS, INCLUDING ADDRESSES, PAPERS, AND DISCUSSIONS.

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THE YEARBOOK OF THE UNIVERSITIES OF THE EMPIRE

1927

EDITED BY WALTER H. DAWSON

AND PUBLISHED FOR THE
UNIVERSITIES BUREAU OF
THE BRITISH EMPIRE



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PREFACE

THE *Yearbook* was first published in 1914. Before its advent the official University Calendars were the only authentic sources of information regarding the personnel, organization, regulations, and recent activities of universities. When British universities were few and university men took but little interest in the affairs of any except their own, the Calendars sufficed; but there are now 71, and each takes a growing interest in the others. The Calendars constitute a library of no mean dimensions—some 50,000 pages—and hardly anywhere except at the Universities Bureau are they all accessible. Much of their contents is of strictly local interest. In the *Yearbook* an attempt is made to extract from each of these bulky volumes such information as is likely to prove of interest to members of other Universities and Colleges, to Government Departments, Clubs, schoolmasters, and the public generally. It would be impossible to present a conspectus of this kind in a volume of manageable dimensions without resorting to the use of abbreviations and other devices for saving space. It is hoped that abbreviation has not been pressed beyond the limits of intelligibility.

In chapters introductory to the sections dealing with the Universities of Great Britain and Ireland, of Canada, of Australia, of South Africa, and of India, is collected such information regarding their history, regulations, and practice as they share in common. Each section comprises three parts:

(1) A directory of the officers and members of the staff of the University. Much trouble has been taken in preparing these directories to ascertain the sources of the various degrees held by teachers, since such information gives in a small space the educational history of their holders. If no name of a university follows a degree, it may be assumed that the degree was conferred by the university upon whose staff the teacher is serving.

With the exception of honours conferred by H.M. the King, titles other than degrees are omitted, unless they throw light upon the standing of their holders in the subjects which they profess. It is, for example, of interest to learn that a medical teacher of a university overseas holds diplomas of the Royal Colleges, whereas the addition of the letters M.R.C.S., L.R.C.P., to the name of a teacher in the

United Kingdom who is also M.D. cannot be said to convey information of importance.

(2) Under the heading "General Information," an account is given of the equipment in libraries, museums, laboratories, etc., of the university, the degrees, diplomas, and certificates which it confers, its composition fees, scholarships open to graduates, residential accommodation, extra-mural work, publications, etc.

(3) The accounts of the universities which hold good with modifications from one issue to another are followed by reports of events of outstanding interest which occurred during the past academic year. They include statistics of the numbers of students in attendance and degrees conferred. These annual reports will be of great importance to future historians of the universities.

Appendices may be classified as (*a*) Summaries of regulations for the diplomas of the Medical Colleges and other Associations and Institutions of the United Kingdom, and the conditions governing admission to various professions and careers for which university studies are a fitting preparation; (*b*) matriculation examinations; (*c*) admission of students from abroad into the universities of the United Kingdom; (*d*) lists of inter-university scholarships and fellowships, and grants for research; (*e*) lists of professional schools of the universities of the United Kingdom and the distribution of subjects in which these universities, severally, may be said to specialize; (*f*) list of centres of research outside the universities.

To the current edition a new Appendix has been added giving lists of titles of theses accepted for research degrees. Owing, chiefly, to the varying importance of thesis and examination in determining the award of a master's degree, it has been found necessary to restrict these lists to theses for the doctorate. It was too late, when the decision to prepare Appendix XXVIII. was taken, to allow of the receipt of returns from the majority of Universities overseas. It is hoped that next year the lists will be complete.

The Universities Bureau acknowledges gratefully the ungrudging help afforded by the official Registrars and other correspondents in the Universities. This help gives the book an authoritative character to which it could not otherwise pretend.

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THE UNIVERSITIES BUREAU OF THE EMPIRE

AT the final, Delegates', meeting of the Congress of 1912 it was resolved that steps be taken for the formation in London of a Bureau of Information for the Universities of the Empire. From its inception until November 1919 the Bureau was, by the great courtesy of the Director, allowed the use of a room in the Imperial Institute. 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. The Committee thereupon purchased the lease of No. 50 Russell Square. Offices in this building have been let to—

THE BRITISH DIVISION OF THE AMERICAN UNIVERSITY UNION. *Director*—ROBERT MARK WENLEY, D.Phil., D.Sc. *Assistant Director*—R. H. SIMPSON, M.A.

OFFICE NATIONAL DES UNIVERSITÉS ET ÉCOLES FRANÇAISES (removed to Cromwell Gardens, South Kensington, S.W.7).

THE ANGLO-DANISH BUREAU, ESTABLISHED BY THE DANISH STUDENTS' INTERNATIONAL COMMITTEE. *Director*—J. H. HELWEG, Cand. Mag.

THE COMMONWEALTH FUND; Committee of Award (see page 689).

The Committee of the Universities Bureau desire to welcome members of any of the Universities of the King's Dominions overseas who may visit London, and to place the resources of the Bureau at their disposal. By calling at the Bureau or writing to the Secretary, visitors from overseas can obtain information regarding forthcoming lectures, conferences, etc., and by registering their names and addresses (whether by calling or by letter) they will enable the Bureau to offer them opportunities of getting into touch with one another.

COMMITTEE

(Appointed in accordance with a resolution of the Delegates to the Congress of the Universities of the Empire, at a Meeting in London on July 5, 1912)

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UNIVERSITIES OF GREAT BRITAIN AND IRELAND

HISTORICAL SUMMARY—ADMISSION AS AN UNDERGRADUATE—ADMISSION OF STUDENTS FROM ABROAD—NUMBER OF FULL-TIME STUDENTS—NATIONAL UNIONS OF STUDENTS—TERMS—FEES—SCHOLARSHIPS—LIBRARIES—UNIVERSITY GRANTS—REPRESENTATIVES IN PARLIAMENT—UNIVERSITY EXTENSION—CONFERENCES—STANDING COMMITTEE OF VICE-CHANCELLORS—INTERNATIONAL CONFERENCES—INTERCHANGE OF TEACHERS AND STUDENTS—CONGRESSES OF THE UNIVERSITIES OF THE EMPIRE—DEGREES.

UNIVERSITIES were the outcome of the great intellectual revival which affected Europe in the twelfth and thirteenth centuries. Shortly after the Schools of Bologna and Paris had developed into what we now term Universities, similar seats of learning arose at Oxford and Cambridge, the nucleus of organization being, as at Paris, a corporation of masters—not, as at Bologna, a corporation of students—and many of the students being boys of fourteen or even younger. Instruction was in the form of lectures by licensed teachers. To the Seven Liberal Arts of the mediæval schools (the "trivium"—GRAMMAR, LOGIC, and RHETORIC, and the "quadrivium"—ARITHMETIC, GEOMETRY, MUSIC, and ASTRONOMY) the Universities added the three higher "Faculties" of THEOLOGY, LAW, and MEDICINE in order to provide complete preparation for the learned professions. The Scottish Universities, except Edinburgh, were founded in the fifteenth century, but the country had not been greatly influenced by the Revival of Learning, and although the earliest Reformers were in touch with continental scholars, and some attempts were made to introduce the New Learning into the schools and universities, the mediæval scholastic tradition remained paramount in St. Andrews and Glasgow until the seventeenth century. Aberdeen was more receptive to *renaissance* influences. The University of Edinburgh originated in a College established by the Town Council in 1583. Trinity College, Dublin, was founded by Queen Elizabeth in 1591 on the lines of the Oxford and Cambridge colleges.

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 clerical and theological institutions, and by the latter half of the eighteenth

century the teaching in the Universities had become mainly traditional and formal, and they were rapidly losing their hold on the national life.

Readjustment to modern conditions took place in the course of the nineteenth century. Already in 1779 Protestant Dissenters, and in 1791 Roman Catholics, had been emancipated from the ban against their following the teaching profession. The few Denominational tests retained by the older Universities were abolished in 1871. Oxford in 1800 established a system of written examinations for the bachelorship, and Cambridge in 1824 the classical Tripos. Soon afterwards both Universities instituted non-classical Honour examinations. The University Commissioners of 1850 and 1877 made provision at Oxford and Cambridge for the endowment of the teaching of modern subjects, and the throwing open of scholarships to students of such subjects removed practically all obligations to take orders in the Church of England, and did much to make the Universities accessible to all classes of the community.

Meanwhile the foundation in 1828 on a strictly undenominational basis of what has now become University College, London, provided a teaching institution of University rank free from all restriction of tests. The University of Durham obtained its charter in 1837. In its original conception it followed closely the lines of Oxford. It was partly endowed out of the funds of the See and Chapter of Durham. The Colleges in which the other English Universities originated were founded as follows: Owens College, Manchester, 1851; Yorkshire College, Leeds, 1874; University College, Bristol, 1876; Firth College, Sheffield, 1879; Mason College, Birmingham, 1880; University College, Liverpool, 1881; the University Extension College, in conjunction with the Schools of Science and Art, Reading, in 1892. Created to minister to local needs and supported largely by local benefactions, they were naturally closely associated with local industries, and from the first laid stress upon the study of mathematical, scientific, and modern subjects. Reading differs from the others in having been established in a town of comparatively small size (population less than 100,000), in the large share of its resources devoted to work in connexion with the agricultural and associated industries, and in its policy of making residence in college or hostel the rule for its students. The Royal College of Science and the Royal School of Mines originated in a Technical School formed in 1851 in connexion with a Museum of Practical Geology. They, together with the City and Guilds (Engineering) College, founded in 1881, became integral parts of the Imperial College of Science and Technology which was established in 1907 with the declared purpose of giving the highest specialized instruction and providing for research in the various branches of science, especially in its applications to industry.

A University of Wales was projected early in the fifteenth century and the project was revived in Cromwell's time, but it did not materialize until 1893. The constituent colleges at Aberystwyth, Cardiff, Bangor, and Swansea were founded in 1872, 1883, 1884, and 1920 respectively. They are thoroughly indigenous to the Principality,

much of the funds having been collected in very small sums from workpeople at the doors of churches and chapels.

The two modern Irish Universities both date from 1909. In 1850 a Royal Charter was granted to the then recently established Queen's Colleges of Belfast, Cork, and Galway, constituting them a Federal University, which was absorbed in 1880 in the Royal University. University College, Dublin, representing the Catholic University established by the Irish Bishops in 1854, became with the Cork and Galway Colleges in 1909 constituents of the National University of Ireland, while Queen's College, Belfast, became the Queen's University of Belfast.

WOMEN were first admitted to Degrees by the University of London in 1878. Bedford College had already been founded in 1849; the three other colleges for women in connexion with the University of London were founded, Westfield in 1882, Holloway in 1886, and King's in 1902. 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. The colleges at Oxford were opened, Lady Margaret in 1878, Somerville in 1879, St. Hugh's in 1886, and St. Hilda's in 1893. Cambridge admitted women informally to Tripos examinations in 1872 and to the titles of degrees in 1923; in 1926 women were declared eligible to university teaching posts and therefore to membership of boards of faculties. Oxford admitted them to examinations in 1884 and to degrees and full membership in 1920. Women have been admitted to the Universities of Scotland since 1892, Durham since 1896, Dublin since 1904, and to all the modern Universities from their foundation.

Unlike those of most other countries, the Univs. of the United Kingdom have been, since their origin, independent of State control. Another distinguishing characteristic of British Univs., as compared with those of the Continent of Europe, has from the earliest days been the provision of halls of residence, or COLLEGES, in which students live as members of a community, with the privileges of social intercourse and subject to the mutual influence which corporate life exerts.

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

ADMISSION AS AN UNDERGRADUATE. Before inserting a student's name *in matricula* all Univs. exact evidence that the applicant's intellectual equipment fits him to undertake a course of study for a degree.

Matriculation examinations covering the usual subjects of education in a secondary school are held by the Univs. of Durham, London, Wales, Belfast, Dublin, Ireland (N.U.I.), and the Joint Board of Manchester Liverpool, Leeds, Sheffield, and Birmingham. Analogous examns. are held by Oxford (" Responsions "), Cambridge (" Previous Examn."), and the Scottish Univs. Entrance Board (" Preliminary Examn."), and these must be passed (or exemption on the ground of having passed equivalent examns. must be obtained) by all students

Scotland. The admission of applicants who, owing to exceptional circumstances, have not been able to fulfil the normal conditions is provided for by "Special" Regns. The Entrance Board's Regns. take effect as from Feb. 1, 1927 (vide p. 273).

Ireland. The Leaving Certificate of the Dept. of Education of the Irish Free State or the Senior Certificate of the Ministry of Education of Northern Ireland is accepted by the Univ. of Dublin and the National Univ. of Ireland, subject for subject, in lieu of their matricn. examns., and (subject to special conditions in respect of Maths.) by Belfast. Belfast and the N.U.I. also accept, subject for subject, the Scottish Leaving Certif. (Higher or Hons.), the Higher Certif. of the Ox. and Camb. Schools Examn. Board, and (Belfast only) the Bristol School Certif. For admission to the Univ. of Dublin the Senior Lecturer is now allowed to recognize examns. as "equivalent" to the Entrance examn., and does so recognize the Scottish Leaving Certificate and others.

SCHOOL EXAMINATIONS IN OTHER COUNTRIES. In Appendix XXIII. are to be found particulars of the recognition accorded by certain Univs. in the United Kingdom to School-leaving examns. conducted by Ministries of Education in Canada, Australia, South Africa, and Egypt, and Boards of High School and Intermediate Education in India. This is done explicitly by Oxford, Cambridge, the Northern (English) Univs. Joint Board, Wales and the Scottish Univs. Entrance Boards.

ADMISSION OF STUDENTS FROM THE KING'S DOMINIONS OVERSEAS AND FROM FOREIGN COUNTRIES. Certificates which would qualify for admission to Univs. outside the United Kingdom are accepted as satisfying, in whole or in part, the matricn. requirements of the Univs. of the United Kingdom. Intending students should apply for information to the Registrar of the Univ. in which they desire to be matriculated. A summary of existing regulations is given in Appendix XXIII.

The NUMBER OF FULL-TIME STUDENTS in Universities and University Colleges in receipt of Treasury Grant is given in the Returns published by the University Grants Committee for the year 1924–25 as 41,794, including 12,881 women. The returns do not include the students of the Irish Universities, Guy's Hospital Medical School, and some other schools of the University of London. If the figures for these institutions are added a total of 47,800 is obtained. The total may be distributed as follows: Oxford and Cambridge (including 1250 women), 9300; London, 10,800; Midlands and North of England (Birmingham, Leeds, Liverpool, Manchester, Sheffield, Durham, and Nottingham), 9100; West and South of England (Bristol, Exeter, Southampton, Reading), 2100; Wales, 2650; Scotland, 9750; Ireland, 4100. The Grants Committee classify the 41,794 full-time students included in their tables: Medicine, including Dentistry, 9527, of whom 1631 were women; Arts, Theology, Law, Music, Commerce, Economics, and Education, 19,891 (8941 women); Pure Science, 7329 (2164 women); Engineering, Applied Chemistry, Agriculture, etc., 5047 (145 women). The above statistics do not include the students of the institutions, other

than Universities and University Colleges, in which professional education of university grade is given in Theology, Teaching, Agriculture, Mining, etc.; nor students reading privately for the external degrees of the University of London, for the Bar, etc. Another consideration which makes difficult comparison with statistics of other countries is that the work of the higher forms of many of our secondary and "public" schools corresponds with the earlier stages of the work done in Colleges and collegiate departments of Universities elsewhere, *e.g.* in America.

A NATIONAL UNION OF STUDENTS of the Univs. and Univ. Colleges of England and Wales was formed in Feb. 1922 "to represent the students of this country nationally and internationally," and to promote their educational and social interests in entire independence of all political or religious propaganda. It is a federation of Unions, Guilds, and Student Representative Councils. It is affiliated to the *Confédération Internationale des Étudiants* (see Appendix XXV.), through which it has taken an active part in promoting foreign travel of English students and stimulating intercourse with students abroad. In July 1924 a conference of Dominion student representatives was held at London and Cambridge to discuss ways and means of practical co-operation between students of the Empire, together with general Imperial problems. Two results of this conference have been the formation in England of the Dominion Students' Athletic Union and the visit of a Debating Team representing the Univs. of Great Britain to Canada, New Zealand and Australia. The team, consisting of four men, left England in Jan. 1926 and returned in July, having visited all the Univs. of the three Dominions. *Publication*—"The University," once a term, 6d. *Address*—3 Endsleigh Street, London, W.C.1.

THE STUDENTS' REPRESENTATIVE COUNCILS OF SCOTLAND hold an annual inter-univs. conference, and jointly, as a national organisation, count as one member of the International Confederation of Students. They have a joint *International Academic Committee* which appoints "Academic Consuls" in the principal univ. centres in countries outside Great Britain. They have published a handbook on Foreign Study (Darien Press, Edinburgh, 3rd edition, 1926; 1s.).

TERMS. The academic year is divided into three terms, which run from about Oct. 1 to the middle of Dec.; middle of Jan. to end of March; middle of April to end of first week in July.

FEES are charged by all Universities. They vary somewhat in the different Univs., but are, on the average, for Arts £30, for Science £36, for Engineering or for Medicine £30 to £60 per annum in English Univs. In Scottish, Welsh, and Irish Univs. the fees are lower.

SCHOLARSHIPS. "The English Scholarship System is a medley," wrote Lord Haldane in a foreword to a report on the subject published in July 1924 by the Sir Richard Stapley Educational Trust, "of things very old and very new, national and local, rational, and sometimes, perhaps, the reverse." The number of scholarships is so large, and the conditions for their award and tenure are so varied that

it is impossible in this book to give any adequate account of them. In the "General Information" regarding each university will be found, however, a brief notice of scholarships open to graduates. Reference may also be made to the Scholarships paragraph of The Scottish Universities chapter, and to Appendix XXIV. Entrance Scholarships are awarded not only by universities and colleges, by schools administering School-leaving exhibitions, and by the trustees of unattached endowments, but also by Local Education Authorities and by the Board of Education. The expenditure of Local Education Authorities in England and Wales in 1922–23 on Scholarships to universities and institutions of university rank amounted to £220,000. It was with special reference to these awards that the above-mentioned report (obtainable at the Trust's offices, 33 Bloomsbury Square, W.C.1., price 2s. 6d.) was prepared. The Board of Education, which has for many years awarded the Whitworth and other Science scholarships, administers the system of State Scholarships introduced in 1920 for boys and girls in full-time attendance at grant-aided secondary schools who reach in "Second Examinations" (vide p. 4) such a standard as gives reasonable expectation that they are capable of following successfully a course of study for a university degree in honours, and need assistance to enable them to do so. The scholarships, which carry with them grants in aid of the fee payable for the proposed course and maintenance grants not exceeding £80 p.a., are ordinarily tenable for 3 years which may be extended to 4. The number of such scholarships for which provision was made in 1926 was 200. A review of the whole subject of scholarships is to be found in a report of the Consultative Committee of the Board of Education published in 1916 (Cd. 8291). The Board held a conference in January 1925 to provide for the co-ordination of grants from all sources for Oxford and Cambridge scholarship candidates, and a report was issued in Nov. 1925. The Oxford and Cambridge College entrance open scholarships are now, except as regards free rooms or their equivalent, on an eleemosynary basis.

LIBRARIES. In each of the sections relating to the universities severally will be found a brief note on this subject. A University Library Co-operation Inquiry Office has been established by the Association of University Teachers with the help of a grant from the Carnegie United Kingdom Trustees. It will endeavour to discover for research workers in what library, if any, any publication or MS. is available, and whether it can be lent. Address: L. T. Oldaker, Esq., The University, Edmund Street, Birmingham. Any inquiry should be accompanied by a list of the libraries which the inquirer has already tried in vain. In this connexion attention may be drawn to the Association of Special Libraries and Information Bureaux, 38 Bloomsbury Sq., W.C.1, which was established, also with the help of a grant from the same source, in 1925. Full details of all university and college libraries may be found in *The University and College Libraries of Great Britain and Ireland: a Guide to the Material Available for the Research Student*, by L. Newcombe, Bumpus, 1926. This book gives details of the contents

of some 300 university and college libraries with special reference to those collections which are likely to be of value to the research student.

PARLIAMENTARY GRANTS TO UNIVS. AND UNIV. COLLEGES. Prior to 1889 the English Univs. and Univ. Colls. were dependent for their incomes upon endowments, subscriptions and students' fees. In that year a Treasury Grant of £15,000 p.a. was made to the English Univ. Colls. and the College at Dundee. At the same date each of the three Welsh Univ. Colls. was receiving £4000 p.a., and the Scotch Univs. a statutable Grant of £42,000, to which was added in 1892 under the Education and Local Taxation Account (Scotland) Act an annual Subsidy of £30,000. Between 1826 and 1895 sums amounting to £380,000 were contributed by Government towards the cost of enlarging the buildings of the Scottish Univs. In Ireland the Queen's Colleges of Belfast, Cork, and Galway were established in 1845, the three buildings costing a total of £100,000. Each College received a Government Grant of £7000 p.a. The Queen's Univ. was established in 1850, as an examining body. Its annual Subsidy, varying with the estimates, never exceeded £5000. In 1879 the Queen's Univ. was replaced by the Royal Univ., also an examining body, but differing from the Queen's Univ. in that students other than those of the Queen's Colls. were admitted to its examns. It also gave fellowships, scholarships, and prizes. Until 1883, when, in accordance with the Act of Parliament by which it was established, it obtained its income of £20,000 p.a. out of funds released by the disestablishment of the Church of Ireland, its expenses were met in the same way as in the case of the Queen's Univ.

In 1896 two Commissioners were appointed by the Treasury to inspect the equipment and report upon the work of the 12 Univ. Colls. in England and at Dundee participating in the Grant (£15,000 p.a.) of 1889 and 2 which were claimants for Grants. In recognition of their increased activities and of additional support received from rates and private benefactions the total Grant was increased to £25,000 p.a. In their Report on the Univ. of Birmingham (into which the Mason College had been transformed in 1900), the 11 other Univ. Colls. to which Grants had been assigned, and 3 claimants the two Commissioners appointed in 1901 submitted evidence of growth qualifying for increased financial aid; but owing to the South African War no action, with the exception of the addition of the Univ. Colls. of Reading and Southampton to the list, each receiving £1000, was taken by the Treasury until 1905, when the total Grant was increased to £100,000. In Jan. 1906 a Permanent Committee was appointed by the Treasury "to advise the Department as to the distribution of the Grant in aid of Colleges furnishing Education of a Univ. Standard." The Committee forthwith proceeded to appoint two inspectors to report upon the 14 Univs. and Univ. Colls. receiving Grants and 3 claimants. By this time, in addition to Birmingham, Leeds, Liverpool, Manchester and Sheffield possessed Univs., to each of which £2000 p.a. had been granted towards the cost of examns. and the giving of degrees. The Univ. of London also received £8000 p.a.

In 1909-10 the Grant to the English Univs. and Univ. Colls. and

to Dundee was raised to £150,000. In 1907 a Treasury Committee was appointed "to inquire and report upon the University of Wales and its constituent Colleges." (The present Secretary to the Bureau was one of the two Commissioners in 1901 and again in 1906 and a member of this Committee.) Following the issue of the Committee's Report in 1909 the Grant to the 3 Welsh Colleges was increased to £25,000. In 1919 the Advisory Committee was dissolved and the Univ. Grants Committee appointed "to inquire into the financial needs of Univ. 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 Grant was increased to £1,000,000. Including Emergency Grants to Cambridge, Oxford, and Trinity College, Dublin, the sums assigned in 1920–21 were: Annual Grants £909,240 (including Ireland £111,000), Non-recurrent Grants £304,000 (including Ireland £67,000). The total Grant for 1921–22 was £1,500,000, and in addition a sum of £500,000 was provided to assist the Institutions to provide retrospective superannuation benefit for their staffs; the grant for 1922–23 for Great Britain only was £1,169,000, which was also the amount of the grant for 1923–24. The grant for 1924–25 was £1,242,570; for each subsequent year £1,550,000.

REPRESENTATIVES IN PARLIAMENT. Oxford (2), Cambridge (2), London, Wales, Scottish (3), Dublin, National of Ireland, Belfast—v. the sections relating to these Univs.

Birmingham, Bristol, Durham, Leeds, Liverpool, Manchester, Sheffield, Reading—Sir ALFRED HOPKINSON, M.A., B.C.L.; Sir MARTIN CONWAY, M.A.

ADULT EDUCATION. *University Extension* Courses have been promoted by the Univs. of Cambridge, Oxford and London for the last 50 years. At Cambridge they are known as local lectures and were initiated in 1873 (see p. 64). Oxford and London took up the work soon afterwards. These courses number several hundreds and vary in length from 6 to 25 lectures; the longest extend over several years.

In 1903 *The Workers' Educational Association* was founded. In 1907 relations were established with Oxford Univ. Since that date relations have been established with all the Univs. and Univ. Colleges, and there are joint committees composed of representatives of the Univ. or College and the W.E.A., which promote Preparatory Classes, Three-Year Tutorial Classes, Advanced Classes, Vacation Courses, etc. In 1925-26 Preparatory Classes numbered 76, Three-Year Tutorial 542, and Advanced Tutorial 16. These were recognized by the Board of Education for purposes of GRANT UNDER CHAPTER II. OF THE ADULT EDUCATION REGULATIONS.

The *Adult Education Committee* was appointed by the President of the Board of Education, in April 1921, to promote the development of liberal education for adults, and in particular to bring together national organizations concerned with the provision of adult education, so as to secure mutual help and prevent overlapping and waste of effort; to further the establishment of local voluntary organizations for the purpose and of arrangements for co-operation with Local Education

Authorities; and to advise the Board of Education upon any matters which the Board may refer to the Committee. It was re-appointed by successive Presidents in 1923 and 1925. It includes representatives of all Univs. in England and Wales, and of the principal voluntary organizations engaged in the work of Adult Education; also three representatives of Local Education Authorities. Assessors are appointed by the Board of Education, the Army Council and the Air Ministry. Since 1921 the Committee has been engaged on many inquiries, and the following Reports have been published by H.M. Stationery Office, Adastral House, Kingsway, London, W.C.2: Paper No. 1—Local Co-operation between Univs., Local Education Authorities and Voluntary Bodies. (Price 4d) No. 2—Recruitment, Training and Remuneration of Tutors. (6d.) No. 3—Development of Adult Education in Rural Areas. (6d.) No. 4—Development of Adult Education for Women. (6d.) No. 5—British Music. (6d.) No. 6—The Drama in Adult Education. (1s.)

The *British Institute of Adult Education*, 39 Bedford Square, London, W.C.1, has recently compiled a Handbook and Directory of Adult Education (Year Book Press, London, 2s. 6d), and issued the first number of a half-yearly review, The Journal of Adult Education, 2s. 6d.

An account of organizations concerned with adult education and a bibliographical note are contained in *The Way Out* (Oxford Univ. Press, 1923. To the bibliography should now be added: University Extension, 1873–1923, by W. H. Draper, Cambridge Univ. Press, 3s. 6d.; Report of Jubilee Celebrations of the Cambridge Local Lectures, July 1923.

Conferences. In May 1917 representatives of the Universities and University Colleges met in Conference to devise measures for the further encouragement of Post-graduate Study and Research. It was resolved that it was desirable that a degree should be instituted carrying the title of Doctor, obtainable by graduates of British and foreign Univs. after a course of advanced study and research. The conditions and regulations for such a degree were further considered at adjourned meetings held on May 10, 1918, Jan. 24, 1919, and March 14, 1919. The resulting legislation is summarized on p. 18. Interchange of Teachers and Students, the Tenure of University Offices, Superannuation and Provision of Pensions, and other matters have been considered by Conferences specially convened at various times.

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 Govt. of the U.S. a Universities' Mission should be sent to America. At this meeting Mr. Balfour took the opportunity of pressing upon the Univs. the desirability of establishing a representative body to which matters of interest to the Univs. might be referred by Govt. Departments. He urged the necessity of the creation of "an organ of expression" which would voice the desires and aspirations of the British Univs. and represent them in their relations with the Univs. of other nations. At

a subsequent meeting Conference resolved that " it is desirable in the interests of the Univs. and of the nation that steps be taken to promote co-operation and mutual consultation among the Univs. of Great Britain and Ireland, and, further, that the Vice-Chancellor or Principal of each Univ. 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 Govt. and to report from time to time to the Conference."

The Standing Committee of Vice-Chancellors has dealt with such matters as the presentation of the case for Increased Grants to Univs. and Univ. Colleges, leading to the Deputation to the Chancellor of the Exchequer which was received in Nov. 1918, and to a similar deputation received in 1924; the relations of the Univs. and Univ. Colleges to national schemes for the Promotion of Research; the question of controlling the number of students in professional and other subjects; the Recognition of the Special Army Education Certif., as qualifying for matriculation; Fees for Courses of Undergraduate and for Post-graduation Study and the possibility of adopting a uniform scale in each of the several Faculties of all Univs. of the U.K.; the relations of the Univs. to Training Colleges for Teachers; qualification for admission to courses leading to the Ph.D. degree; recognition of foreign school-leaving certificates as qualifying for matriculation; salaries of members of staff; recognition of records of students from Australia, Canada, S. Africa, and India; specialization in certain subjects of study by certain Universities*; the mutual recognition of Matriculation examns. and Degree courses of study; Income-tax on funds invested for provision of pensions, Inhabited House Duty on hostels and other legal liabilities of Universities; the replenishing of the libraries of the Univs. of Louvain, Nancy, Tokio.

At the ANNUAL CONFERENCE of the Univs. of Great Britain and Ireland held on May 9, 1925, the subjects discussed were: (1) the function of the universities in relation to Agriculture; (2) Physical Training and Medical Supervision of University students; (3) relations of universities to foreign National Institutes established in Great Britain and similar British Institutes abroad. A report of the proceedings was printed. Copies are obtainable from the Universities Bureau, 50 Russell Square, price 1s. The Conference did not meet in 1926 because the quinquennial congress of Univs. of the Empire (v. *infra*) was held in that year.

INTERNATIONAL CONFERENCES. Following the Mission to America already referred to, the British Univs. in May 1919 accepted an invitation to appoint a delegation to visit the Univs. of France as guests of the French Republic. In the autumn of 1919 a similar invitation was accepted from the Belgian Govt. In July 1920, 17 Professors of English, and in July 1921, 32 Professors of History, from many parts of the U.S.A. and the British Dominions overseas, met their colleagues of the Universities of the U.K. in conference at the invitation of the

* Vide Appendix XXVI.

University of London to discuss methods of research and teaching and to elaborate plans of co-operation. The Conference of 1921 synchronized with the opening of the University of London Institute of Historical Research. A Conference of British and Swiss Universities was held at Bâle in 1922. By invitation of Columbia University a Conference of British and American teachers of English was held in New York in June 1923. An Anglo-American Conference of Professors of History took place at Washington and Richmond (Virginia), Dec. 27-30, 1924, and in London (Institute of Historical Research), July 12-17, 1926.

INTERCHANGE OF TEACHERS AND STUDENTS between the Univs. of the King's Dominions overseas and of foreign countries and the Univs. of the U.K. In May 1919 a Committee was established for the purpose of promoting interchange. This Committee was discharged in March 1922 and replaced by another consisting of the Interchange Correspondents of the Bureau in the various Univs. See, in this connexion, Appendices XXII., XXIII., and XXIV.

CONGRESSES OF THE UNIVERSITIES OF THE EMPIRE

The FIRST CONGRESS of the Univs. of the Empire was held in London on July 2 to 5, 1912. All the Universities of the Empire were represented. Subjects discussed: "Specialization among Universities," and "Inter-University Arrangements for Post-graduation and Research Students," Chairman, the Earl of Rosebery and Midlothian, Chancellor of the Univs. of London and Glasgow, and Lord Rector of the Univ. of St. Andrews; "The Relation of Universities to Technical and Professional Education and to Education for the Public Services," and "Interchange of University Teachers," Chairman, the Earl Curzon of Kedleston, Chancellor of the Univ. of Oxford; "The Problem of Universities in the East in regard to their Influence on Character and Moral Ideals," and "Residential Facilities," Chairman, Mr. A. J. Balfour, Chancellor of the Univ. of Edinburgh; "Conditions of Entrance to Universities, Equivalence and Mutual Recognition of Entrance Tests," and "Action of Universities in Relation to the After-careers of their Students," Chairman, Lord Rayleigh, Chancellor of the Univ. of Cambridge; "Courses of Study and Examinations for other than Degree Students, University Extension and Tutorial Class Work," Chairman, Lord Kenyon, Senior Deputy Chancellor of the Univ. of Wales; "The Establishment of a Central Bureau, its Constitution and Functions," "The Position of Women in Universities," and "Representation of Teachers and Graduates on the Governing Body of a University," Chairman, Lord Strathcona and Mount Royal, Chancellor of the Univs. of Aberdeen and McGill.

The SECOND CONGRESS of the Univs. of the Empire met in Oxford on July 5 to 8, 1921. All members received, and upwards of 300 accepted, offers of hospitality, either from a College or from a resident member of the Univ., for the four days during which Congress was to sit. Including members of the Univ. of Oxford, who attended without enrolment, and those who returned to London and other places for the night, the attendance numbered about 550. The 18 Home Univs.

and 36 of the Univs. overseas were represented, the visitors from overseas numbering 100. Subjects discussed: "The Universities and the Balance of Studies," Chairman, the Marquess Curzon of Kedleston, Chancellor of the Univ. of Oxford; "The Universities and the Teaching of Civics, Politics, and Social Economics," and "The Universities and Secondary Education," Chairman, Mr. A. J. Balfour, Chancellor of the Univ. of Cambridge and of the Univ. of Edinburgh; "The Universities and Adult Education," Chairman, Viscount Haldane, Chancellor of the University of Bristol; "The Universities and Technological Education," Chairman, the Marquess of Crewe, Chancellor of the Univ. of Sheffield; "The Universities and Training for Commerce, Industry, and Administration," and "The Universities and the Training of School Teachers," Chairman, Dr. J. C. Irvine, Principal, in the place of the late Lord Balfour of Burleigh, Chancellor of the Univ. of St. Andrews; "University Finance," Chairman, Sir Robert Stout, Chancellor of the Univ. of New Zealand; "The Universities and Research," Chairman, Lord Robert Cecil, Chancellor of the Univ. of Birmingham; "Interchange of Teachers and Students," Chairman, Lord Kenyon, Pro-Chancellor of the Univ. of Wales.

The THIRD CONGRESS of the Univs. of the Empire was held in Cambridge on July 13 to 16, 1926. Owing to the large number of students in residence in the Colleges the majority of the members received private hospitality. Excluding resident members of the University the attendance numbered about 350. 121 were visitors from overseas. Subjects discussed: "The State and the University," Chairman, the Earl of Balfour; "The Desirability of Establishing in London a School of Advanced Legal Studies," Chairman, the Warden of All Souls, deputy for Viscount Cave; "Co-operation in Research throughout the Empire," Chairman, the Marquess of Londonderry; "Mutual Recognition of Examinations and of Time Spent in Study Elsewhere," Chairman, Sir Matthew Nathan; "The Desirability of making Provision for the Physical Welfare and Training of Students and the Organization of Athletics with a View to securing more General Participation," Chairman, the Vice-Chancellor of Leeds, deputy for the Duke of Devonshire; "The Actual Working of the Ph.D. Scheme," Chairman, Viscount Cecil of Chelwood; "The Desirability of Articulating other Pension Schemes with the Federated Superannuation System of Great Britain and Ireland," Chairman, Viscount Haldane of Cloan. Sectional Meetings on "University Statistics" (Sir Theodore Morison), "Interchange" (Sir Henry A. Miers), "The Classification of Honours Graduates" (Sir Donald MacAlister), "An Imperial Policy in Education" (Sir Frederick D. Lugard).

Reports of the Proceedings of the Congress, 1912, 1921, 1926, G. Bell & Sons, London, price each £1 : 1s.

DEGREES CONFERRED BY THE UNIVERSITIES OF GREAT BRITAIN AND IRELAND

The older Universities have developed out of the Univs. 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 Univs. in other lands. Their titles of degrees afford an illustration of this. A Univ. 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, examns. After gaining some experience in teaching, and successfully maintaining a thesis in public disputation, the bachelor attained to his degree. Admitted into the Guild, with its *jus ubique docendi*, he was known indifferently as doctor, master, or professor. Still following this ancient usage, the degree in Scotland is the mastership, M.A. In Oxford, Cambridge, and Dublin, where the examn. 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 examn. after an interval of two or three years, but in no case less than six years from matricn. For convenience in standardizing the attainments of their alumni, modern Univs. have divided the degree into stages—usually described as the " first " and " higher " degrees—Bachelorship, Mastership, and Doctorate. The conferment of a first degree now marks the satisfactory completion of a three or four years' Univ. course.

At Oxford and Cambridge the Faculty of Arts is not subdivided. B.A. is the " first degree," whether the course leading to it be literary or scientific. In Trinity College, Dublin, a B.Sc. course, including no classical language, was introduced in 1926, but it is expected that most Science students will continue to take the B.A. which remains the primary degree, and must be obtained before proceeding to any other degree except Mus.B., Mus.D., B.Sc. and Ph.D. At Cambridge there is no B.Sc. At Oxford the B.Litt. and B.Sc. are awarded for special study and research, like the M.Litt. and M.Sc. of Cambridge. At St. Andrews the B.Phil. or the B.Litt. may be taken either conjointly with, or after, the M.A.

At all other Univs. a course in Arts leads to the B.A. (in Scotland, M.A.), in Science to the B.Sc., in Commerce to the B.Com., and similarly to other titles in other departments of knowledge.

Each of the Faculties of Theology, Law, Medicine, and Music has its own bachelor's degree.

The signatures of the titles of degrees vary. In the following list the more usual signature is placed first:

Bachelor of Arts: B.A.

Bachelor of Science: B.Sc.

Bachelor of Science in its various applications: B.Sc. (Engineering), B.Eng. Liv., Sheff.; B.A.I. Dub.; B.Sc. (Metallurgy), B.Met. Sheff.; B.Sc. (Mining), B.Sc. (Mining Engineering) Glas.; B.Sc. Tech.; B.Sc. (Applied Chemistry); B.Sc. (Naval Architecture); B.Sc. (Veterinary Science), B.V.Sc. Liv.; B.Sc.Agr., B.Agr. Bris., Belf., Agr.B. Dub., B.Agr.Sc. N.U.I.; B.Sc. (Forestry), Agr.B. (Forestry) Dub.; B.Sc. (Horticul-

ture); B.Sc. (Estate Management); B.Sc. (Dairying), Reading; B.Sc. (Economics); B.Sc. (Public Health), B.Hy. Durh.; B.Sc. (Pharmacy) Glas.; B.Sc. (Architecture) Glas.

Bachelor of Commerce: B.Com. or B.Comm., B.Com.Sc. Belf.

Bachelor of Architecture: B.Arch.

Bachelor of Dental Science: B.D.S., B.Ch.D. Leeds, B.Dent.Sc. Dub.

Bachelor of Education: Ed.B. (of the Scottish Univs., two years after a first degree).

In Theology the title of the first degree is B.D. In Law it is LL.B., B.C.L. Ox. Durh., B.L. or (open only to graduates in Arts) LL.B. the Scottish Univs. In Medicine the signature of the title is M.B., B.M. Ox.; in Surgery, Ch.B., B.Chir. Camb., B.Ch. Dub. Ox. Wales. Belf., B.S. Durh. Lond.; in Obstetrics, B.A.O. Belf. Dub. N.U.I. In Music, Mus.B., B.Mus. Birm. Durh. Ox. Wales.

The Primate's Degrees: Under powers conferred before the Reformation by the Pope, the Primate has the right to confer degrees. In recent years he has, on an average, conferred annually two doctorates.

Honours Degrees

In all Univs. of the United Kingdom the first degree in Arts (or Science, if a separate faculty) may be obtained as an ordinary degree, or with Honours.

At Oxford the Honours Schools (B.A.) are in Literæ Humaniores, Mathematics, Natural Science (including Engineering), Jurisprudence, Modern History, Theology, Oriental Studies, English Language and Literature, Modern European Languages, and Philos., Politics and Economics.

At Cambridge (Triposes), in Anthropology, Classics, Economics, English, Geography, History, Law (B.A. and LL.B.), Mathematics, Mechanical Science, Modern and Mediæval Languages, Oriental Languages, Moral Science, Natural Science, Theology.

In Scotland: M.A. Hons. in Celtic, Classics, Econ. Science, English (Aberdeen, Geography), History (St. Andrews, History and English), French, German, Italian, Spanish, or Celtic, Mathematics and Natural Philosophy, Mental Philosophy, Modern Languages (St. Andrews, Natural Science, Maths. and Physical Science, Philosophy), Sanskrit, Semitic Languages; B.Sc. Hons. in various branches of Science.

At Dublin (Moderatorships), in Mathematics, Classics, Mental and Moral Philosophy, Experimental Science, Natural Science, History and Political Science, Modern Literature, Legal and Political Science, Engineering Science, Celtic Languages, Oriental Languages.

At London, B.A. Hons. in Classics, Latin, Greek, Mathematics, Anthropology, Archæology, English, French, German, Celtic, Italian, Spanish, Portuguese, Dutch, Scandinavian Langs., Russian, Polish, Czech and Slovak, Serbo-Croat and Slovene, Indo-Aryan, Arabic, Persian, Hebrew and Aramaic (including Syriac), Chinese, Philosophy, Psychology, History, Sociology, Geography; B.Sc. (Special), Mathematics, Astronomy, Physics, Chemistry, Geology, Botany, Zoology,

Physiology, Human Anatomy and Morphology, Psychology, Anthropology, Statistics; B.Sc. (General)—three subjects; B.Sc. Hons. (Economics); B.Sc. Hons. (Engineering); B.Sc. Hons. (Mining); B.Sc. Hons. (Metallurgy); B.D. Hons.; LL.B. Hons.; M.B., B.S. Hons; B.D.S. Hons.

In other Univs. Honours are obtainable in a variety of subjects.

Recognition of Study at other Universities

UNDERGRADUATES. The Univs. of Bristol and Leeds accept attendance for 1 yr. at any Univ. requiring residence as a qualification for a degree. At London any person who has passed the external Intermediate examn. before registering as an Internal student may take the Final Examn. after a 2 yrs.' course and qualify for a degree in the subsequent year. At Oxford members of certain Affiliated Colleges of the United Kingdom, and of certain approved home, colonial, and Indian Univs., who have attended lectures for at least 2 yrs. and attained a prescribed standard, are allowed to count the first term kept by residence as the fourth (see p. 214). At Cambridge a similar privilege is allowed to certain classes of students (see p. 58). At Dublin students who have spent 2 yrs. in Arts studies at certain Univs. (see list on p. 326) and have passed the examns. belonging to that period are given credit for the first academic year. At Durham a similar concession is made to students of science. In the Scottish (see p. 274) and certain other Univs. attendance at lectures and examns. passed in other Univs. may be recognized by the Board of Studies, or Senate, after consideration of each case. As regards Belfast, see p. 318.

GRADUATES. The remission to graduates of any other approved University of 2 yrs. of the 4 yrs.' course is made by the Univ. of Dublin, of 1 yr. of the 3 yrs.' course by Bristol, London, and Sheffield, and the N.U.I. For similar remissions made by Oxford and Cambridge, see pp. 214 and 58. At Oxford graduates of a home Univ. and others, who can satisfy the Education Committee that they have received a good general education, are eligible to apply for admission to an approved course of special study and research for the degree of B.Litt. or B.Sc., and, if successful, may supplicate for the degree after completing 2 yrs. of residence. At Cambridge graduates suitably qualified are admitted as Research students and may, after the satisfactory completion of a 2 yrs.' course and the submission of a dissertation, obtain the degree of M.Litt. or M.Sc. At Dublin a graduate of any approved Univ. who possesses a degree the equivalent of Moderatorship may, after 1 yr. of advanced study and research, present himself for examn. for the degree of M.Sc. Certain Univs. which have not adopted ordinances to that intent are prepared to consider applications from graduates of other Univs. who desire to read for higher degrees for remission of standing or exemption from examinations.

Higher Degrees

M.A. At Cambridge a Bachelor of Arts may, without further examn., proceed to the M.A. at the close of the 6th yr. after the end

of his first term ; at Oxford in the twenty-first term after matriculation ; at Dublin 3 yrs. after passing the B.A. examn. At Durham and Sheffield graduates in Honours (Durham—1st or 2nd class) of 3 yrs.' and 1 yr.'s standing respectively are admitted to the M.A. without examn. ; other graduates must pass the M.A. examn. or (Sheffield) present a thesis. Other Univs. exact a further period of study from their own graduates, followed by the presentation of a thesis, or an examn., or both, of 1 yr. at Birmingham, Leeds, Belfast, and the N.U.I. ; of 1 yr. from graduates with Honours, and 2 yrs. from others, at Bristol, Manchester, and Wales ; of two years from all graduates at Liverpool, London, and Reading. Graduates of approved Univs. can obtain the Mastership after 1 yr. of advanced study and research at Birm. and the N.U.I. ; after 2 yrs. at Bris., Leeds, Liv., Lond., Manc., Reading (thesis required), Sheff., Wales. At London a thesis is required from Internal students in all branches, except Mathematics, in which it is optional, and an examn. At Leeds, Liverpool, and Manchester persons who have not graduated can obtain the M.A. degree after a course of advanced study and research extending, usually, over 3 years.

M.Sc. This degree is not conferred by Oxford or any of the Scottish Univs. At other Univs. it can be obtained by graduates of the Univ. under conditions similar to those for the M.A. At Durham, by graduates, B.Sc., of 2 yrs.' (Sheffield 1 yr.'s) standing who took first or second class Honours, without further test. At 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 Liverpool, by graduates, B.Sc., with Honours, after 1 yr.'s higher study (thesis required). At London, by Internal students of 1 yr.'s or 2 yrs.', by External students of 1 yr.'s standing from B.Sc. with thesis (optional in Mathematics) and examn. At Manchester, by graduates, B.Sc., of 1 yr.'s standing after thesis and examn. (at the discretion of the Faculty). At Cambridge the degree is conferred upon Research students (v. p. 62). In other Univs. which confer the degree, graduates of approved Univs. can obtain the M.Sc. on terms similar to those for the M.A.; at Durh. or Reading, after 2 yrs.' advanced study in the Univ.

Other titles of Mastership conferred by various Univs.—M.Litt., M.Com., LL.M., M.Mus., M.A.O. (Midwifery), M.Ch., Ch.M., M.Ch.Orth. (Orthopædic Surgery), M.D.S. (Dental Surgery), M.V.Sc., M.H. (Hygiene), M.Eng., M.Sc.Tech., M.Met., M.Arch., M.Ed.

Ph.D. All the Univs. of the United Kingdom now confer the degree of Philosophiæ Doctor. Candidates entering upon a course of advanced study and research for this degree must be at least 21 (Oxford, Camb., Brist., L'pool., Durh., Wales, Reading, St. Andrews, Dub.—no minimum age) ; must ordinarily be graduates either of the Univ. or of some other approved Univ. ; must have pursued their studies at a Univ. or Univs. for a period of at least 3 yrs. (London 2, Reading and Dublin—not specified) ; must produce evidence of fitness for the proposed course of study and research. The course for the degree extends ordinarily over at least 2 years (Cambridge, Reading, Aberd.,

Glas., St. And. and N.U.I.—3 years). At its termination the student must submit a dissertation and may be required to qualify also by examn. The degree is granted in any faculty in which the Univ. is prepared to receive advanced students.

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

Litt.D. and *Sc.D.* The Doctorate in Letters or in Science is conferred upon Masters of Arts or Science (Wales and Dublin, Bachelors or Masters) distinguished by their contributions to the advancement of learning or science. The claim to the degree must be based either upon a special thesis, as at London, or upon published works. In certain Univs. the Faculty may require the applicant to appear for examn. An applicant for the Doctorate must be of 3 yrs.' standing from graduation at Dublin, Belf. (for D.Sc.), N.U.I. (for D.Sc. Pub. Health) ; 4 yrs.' at Manchester, London (for D.Sc. and External D.Lit.) ; 5 yrs.' at Birmingham, Sheffield, N.U.I. (for D.Litt., D.Litt. Celt., D.Sc.), and the Scottish Univs. ; 6 yrs.' at Belfast (for D.Lit.), Durham (for D.Sc.), Leeds, Liverpool (5 yrs. from M.A. or, for D.Sc., from M.Sc. or Ph.D.), Bristol, Reading (4 yrs. from M.A. or M.Sc., 3 yrs. from Ph.D.) ; 5 yrs. from M.A., LL.M., M.Chir., M.Litt., M.Sc. or Ph.D., or 7 yrs. from M.B. at Cambridge ; 7 yrs.' at Oxford, London (for Internal D.Lit.) ; 10 yrs.', Univ. of Wales (3 yrs. from M.A., 2 yrs from Ph.D.), Durham (for Litt.D.).

Graduates of other Univs. who have been admitted to the degree of M.A. or M.Sc. (Oxford M.A., B.Sc., or B.Litt. ; Dub. B.A.) can proceed to the Litt.D. or Sc.D. under the prescribed regulations. In Scotland Honours graduates of approved Univs. of 5 yrs.' standing who have spent the equivalent (4 terms) of two winter sessions in research at a Scottish Univ., have submitted a satisfactory thesis or published work, and have, if required, passed an examn., are admitted to the Doctorate. At Bristol the degree of D.Sc. can be obtained without previous admission to the M.Sc. At London a candidate for the Doctorate may be specially exempted from the examn. for M.A. or M.Sc. ; at Manchester, from the examn. for M.Sc.

D.Hy. (Durh.) 2 yrs. from B.Hy. ; examn., thesis.

Degrees in Divinity

B.D. is conferred after examn. in the Scottish Univs. and the Univs. of Durham, London, Manchester, and Wales ; after examn. and submission of a thesis at Dublin ; after examn. and the submission of a dissertation and published works at Cambridge (examn. may be omitted) and at Oxford. At London the course must extend over 3 yrs., subsequent to matriculation. In Scotland a candidate must be M.A. of a Scottish Univ. who has taken a theological course in a specially recognized institution, or a graduate of an approved Univ. who has taken a complete theological course of at least 2 yrs. in the Univ. conferring the degree ; at Dublin, a B.A. of 3 yrs.' standing ; at Durham,

he must be a man who is either a graduate of 2 yrs.' standing or the holder of the Diploma in Theology; in Wales, a graduate who, subsequent to graduation, has studied for 3 yrs. at one of the Associated Theol. Colls. of the Univ.; at Cambridge, a candidate must be M.A. or LL.M., and cannot be admitted to the degree until he is seven years from the Master's degree; at Oxford, a candidate must be a M.A. or must be 26 yrs. of age, have followed a course of study in Christian Theology extending over 6 terms, and resided at the Univ. during 6 terms.

D.D. In Scotland the degree is conferred *honoris causa tantum.* At London it is conferred upon B.D.'s who took Honours in at least one subject, on presentation of a dissertation, followed by an examn., if the examiners so desire. At other Univs. it is conferred in consideration of published works, or a dissertation (and, at Oxford, a *viva voce* examn., if the judges so desire). The requisite standing is, at Cambridge and London, 5 yrs. from B.D. (or, for a Cambridge B.D., 12 yrs. from M.A.); Dublin, 8 yrs. from B.A.; Durham, 10 yrs. from B.A.; Manchester, 4 yrs. from B.D. (or 6 yrs. for B.D.'s of other Univs. who have studied for 2 yrs. at Manchester); Oxford, 14 yrs. from matricn., 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.

Degrees in Medicine and Surgery

M.B., Ch.B. The regulations for these degrees are practically uniform. Preliminary examinations satisfying the requirements of the General Medical Council (see Appendix XI.). Registration as a medical student by the G.M.C. is recommended. Satisfactory attendance during at least 5 yrs. at courses of study and hospital practice. Four examns. (in some Univs. grouped as three or two). All examns. must be passed at the Univ. granting the degree, with the exception of the first, in Chemistry, Physics, and Biology (and, at St. Andrews, the second in Anatomy and Physiology), from which a candidate may be exempted if he has passed an equivalent examn. at the Univ., or elsewhere (Scottish Univs., Birmingham, Bristol, Dublin for S. African students only, Durham, London, Oxford Senior Students, Sheffield). Study in the Univ. for at least 3 yrs., except for the degrees as an External student of the Univ. of London, who must study for 1 yr. in a Univ. of the United Kingdom; or for 2 yrs., Scottish Univs., Leeds, Liverpool, Manchester; for 1 yr. College of Medicine, Newcastle-on-Tyne (Durham). The Univs. of Oxford and Cambridge exact 3 yrs.' residence, but allow students to do any or all of their medical work at other recognized medical schools. At Oxford, Dublin, Univ. of Wales, candidates must graduate B.A. (or B.Sc., Wales) before admission to a medical degree.

M.D. Candidates must be M.B., Ch.B. of, usually, 2 yrs.' standing (Oxford, 10 yrs. from matriculation; Cambridge, M.B. of 3 yrs.', or M.A. of 4 yrs.' standing; Leeds, Sheff., M.B., 1 yr.'s standing; Belf.,

M.B. 3 yrs., B.A. or B.Sc. with M.B. 2 yrs.; Dublin, of M.A. standing). A dissertation is compulsory in almost all Univs., followed by an examn., unless the examiners pronounce the dissertation to be of such merit as to render further examn. unnecessary.

Ch.M. Regulations similar to those for M.D.

D.Ch. (Durh.). Candidate must have devoted, subsequently to having obtained a registrable qualification, 3 yrs. (including one at least in the Univ. and 6 months at least abroad) to the study of Surgery and ancillary subjects.

Degrees in Dentistry, in Pharmacy (London, Manchester, Glasgow), *and in Veterinary Science are obtainable under somewhat similar conditions.*

Degrees in Law

LL.B. (or *B.C.L.*), obtainable with Honours or as an ordinary degree. In the Scottish Univs. candidates must have graduated M.A.; at Dublin, Durham (B.C.L. and LL.B.), National University of Ireland, B.A. For B.C.L. at Durham candidates must be of 2 yrs.' standing from B.A.; for LL.B. the course is 3 yrs. for a candidate of Intermediate grade in Arts or Science. In Wales the course extends over 3 yrs. for a pass degree and 4 yrs. for an Honours degree. At Belfast graduates of this or of some other Univ. are eligible for the degree after a 2 yrs.' course in Law; at Oxford, after a 2 yrs.' course, if they obtain Honours in the B.C.L. examination. At Sheffield a graduate of a Univ. of the United Kingdom who has attended for 1 yr. the intermediate course and for 1 yr. the Final course in Law and for 2 yrs. studied in a recognized institution, may be a candidate for the degree. In the majority of Univs. there are two examns., Intermediate and Final. For B.L. v. Scottish Univs.

LL.M. Cambridge, Leeds, Liverpool, London, Manchester, Sheffield, Wales. By standing for graduates in Law with Honours, except at Leeds and Manc., where a dissertation must be presented. For others, after examn. or (Camb.) dissertation, or both (Wales). Liverpool requires 2 yrs. of approved study.

LL.D. (or *D.C.L.*). By the Scottish Univs. the Doctorate is awarded only *honoris causa tantum.* Other Univs., unless the degree be awarded *honoris causa*, require the submission of a thesis, dissertation, or published works, and may require attendance at an examn.; in Dublin a candidate may elect to undergo examn. in lieu of offering a thesis, etc. The requisite standing for the Doctorate is, at London, 2 yrs. from Honours LL.B.; Belf., 3 yrs. from LL.B. if thesis; Dublin, 3 yrs. from B.A. of Dub., Ox., or Camb.; Manchester, 4 yrs. from LL.B.; National Univ. of Ireland and Sheffield, 5 yrs. from LL.B.; Oxford (D.C.L.), 5 yrs. from B.C.L.; Cambridge, 8 yrs. from first degree; Liverpool, 5 yrs. from LL.M.; Leeds, 6 yrs from LL.B.; Durham (D.C.L.) and Wales, 10 yrs. from graduation or 3 yrs. from LL.M.

Degrees in Music

The degrees of Mus.B. (or B.Mus.) and Mus.D. (or D.Mus.) are conferred by the Univs. of Cambridge, Dublin, Durham, Edinburgh, London, Manchester, N.U.I., Oxford, Wales; B.Mus. and M.Mus. Birmingham; Mus.M. Cambridge and M.Mus. Wales.

Mus.B. At Birmingham, Cambridge, Dublin, Edinburgh, London, Manc., N.U.I., and Wales, students must pass the same Entrance examn. (Matriculation, Previous, or Preliminary) as students in Arts; with, at Birmingham, where the degree is an Honours degree, an examn. in theory and in execution. At Durham they are admitted on a *testamur* as Students of Music. At Oxford they must pass either Responsions or the Preliminary for Students of Music, in which, if two of the three languages, French, German, Italian, are taken, neither Greek nor Latin is obligatory. In Wales a student must attend an intermediate class in Arts or Science in addition to the Music course. Residence is not obligatory at Dublin, Durham, or Oxford. At Edinburgh students must study Music in the Univ. for one whole winter session. As a rule, the course extends over 3 yrs. with two, or three, examns., including an exercise for the Final examn.

Mus.M. Conferred 3 yrs. (Wales—2 yrs.) after the Mus.B. for original work and dissertation (Birmingham), after examn. and exercise (Cambridge, Wales).

Mus.D. Conferred at Cambridge on graduates not less than 30 yrs of age, in recognition of distinction as Composer; in Wales (D.Mus.) on B.Mus. of 10 yrs.' or M.Mus. of 3 yrs.' standing on consideration of original compositions; at Edinburgh on Mus.B.'s of 3 yrs.' standing, after examn. as Composer, Executant, or Theorist or Historian (Dissertation), and also *honoris causa tantum*; at Dublin on Mus.B.'s after further examn. or practical test; at London on Mus.B.'s of 2 yrs.' standing, Oxford 3 yrs.', Manchester 4 yrs.', Durham and N.U.I. 5 yrs.', after exercise and examn.

Qualifications other than University Degrees referred to in the Yearbook by Letters after Names

[See also lists of medical qualifications in Appendix XI. In the appendices relating to the various professional associations some account is given of the examinations, etc., whereby their qualifications are obtained.]

A.C.A.	Associate of Institute of Chartered Accountants.
A.C.G.I.	,, City and Guilds of London Institute.
A.I.C.	,, Institute of Chemistry.
Assoc.Inst.M.M.	,, Institution of Mining and Metallurgy.
A.M.I.A.E.	Associate Member of Institution of Automobile Engineers.
A.M.I.C.E.	,, ,, ,, Civil Engineers.
A.M.I.Chem.E.	,, ,, ,, Chemical Engineers.
A.M.I.E.E.	,, ,, ,, Electrical Engineers.
A.M.I.Mech.E.	,, ,, ,, Mechanical Engineers.
A.M.Inst.M. and Cy.E.	,, ,, ,, Municipal and County Engineers.
Assoc.M.I.Min.E.	,, ,, ,, Mining Engineers.
A.M.I.N.A.	,, ,, ,, Naval Architects.

A.M.Inst.P.T.	Associate Member of Institution of Petroleum Technologists.
A.M.I.Struct.E.	" " " Structural Engineers.
A.R.A.M.	" of Royal Academy of Music.
A.R.C.O.	" " College of Organists.
A.R.C.S.	" " College of Science.
A.R.E.	" " Society of Painter Etchers.
A.R.I.B.A.	" " Institute of British Architects.
A.R.S.M.	" " School of Mines.
A.R.W.S.	" " Society of Painters in Water-Colours.
C.A.	Chartered Accountant.
D.I.C.	Diploma of Imperial College of Science and Technology.
D.M.R.E.	" in Medical Radiology and Electrology.
D.O.M.S.	" in Ophthalmic Medicine and Surgery.
D.P.H.	" in Public Health.
D.P.M.	" in Psychological Medicine.
D.T.M.	" in Tropical Medicine.
D.V.S.M.	" in Veterinary State Medicine.
F.A.I.	Fellow of Auctioneers' Institute.
F.B.A.	" British Academy.
F.C.A.	" Institute of Chartered Accountants.
F.G.S.	" Geological Society.
F.I.A.	" Institute of Actuaries.
F.I.C.	" " Chemistry.
F.Inst.P.	" " Physics.
F.L.S.	" Linnean Society.
F.R.A.M.	" Royal Academy of Music.
F.R.C.O.	" " College of Organists.
F.R.C.P.	" " " Physicians, London.
F.R.C.S.	" " " Surgeons, England.
F.R.C.V.S.	" " " Veterinary Surgeons.
F.R.I.B.A.	" " Institute of British Architects.
F.R.S.	" " Society.
F.S.A.A.	" Society of Accountants and Auditors.
F.S.S.	" Royal Statistical Society.
F.Z.S.	" Zoological Society.
L.C.P.	Licentiate of the College of Preceptors.
L.D.S.	" in Dental Surgery.
L.R.I.B.A.	" of the Royal Institute of British Architects.
M.I.A.E.	Member of Institution of Automobile Engineers.
M.I.Chem.E.	" " Chemical Engineers.
M.Inst.C.E.	" " Civil Engineers.
M.Inst.E.E.	" " Electrical Engineers.
M.I.Mech.E.	" " Mechanical Engineers.
M.Inst.M. and Cy.E.	" " Municipal and County Engineers.
M.I.Min.E.	" " Mining Engineers.
M.Inst.M.M.	" " " and Metallurgy.
M.I.N.A.	" " Naval Architects.
M.I.P.T.	" " Petroleum Technologists.
M.I.Struct.E.	" the Institute of Structural Engineers.
M.P.S.	" the Pharmaceutical Society.
M.R.C.V.S.	" the Royal College of Veterinary Surgeons.
M.R.S.I.	" the Royal Sanitary Institute.
N.D.A.	National Diploma in Agriculture.
N.D.D.	" " Dairying.
N.D.P.	" " Poultry Husbandry.
P.A.S.I.	Professional Associate of the Surveyors' Institution.
R.O.I.	Royal Institute of Oil Painters.
Wh.Sch.	Whitworth Scholar.

N.B.—The letters used in the Yearbook are not in all cases those authorized by the Associations; *e.g.* M.Inst.C.E. is sometimes abbreviated to M.I.C.E., M.I.Mech.E. to M.I.M.E.

UNIVERSITY OF BIRMINGHAM

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Payton, C. G., M.B., Ch.B. Lectr. and Sr. Demr.
Hill, W. C. O., M.D. Demr.
Raison, C. A., M.B., Ch.B., F.R.C.S. Hon. Demr.
Rose, Baron T., B.Sc., M.B., Ch.M., F.R.C.S. Hon. Demr.
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Maguire, C. C. W., M.D. Hon. Demr.

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Humphreys, J., M.A. Hon. Reader.

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Elliott, Jessie S., B.Sc. Lond. D.Sc. Lectr.
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Chesters, C. G. C., B.Sc. Asst. Lectr.

Brewing

Ling, A. R., M.Sc., F.I.C. Prof.
Norris, F. W., B.Sc., Ph.D. Lectr. and Demr.

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Wood, C. E., M.Sc., A.I.C.
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Pinkard, F. W., M.Sc. Wales., A.I.C.

Glover, T. J., Ph.D., N.U.I.
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Hickinbottom, W. J., M.Sc., Ph.D. A.I.C. Asst. Lectr.

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Hirst, Margaret E., M.A. Camb. Lectr.
Barratt, A. J., M.A. Ox. Lectr. (Latin).
Dodds, E. R., B.A. Ox., M.A. Prof. (Greek).

Commerce, v. also Acc., Ec., Fin.
Rees, J. F., M.A. Ox., M.Com. Prof.

Commercial Law
Tillyard, F., M.A. Ox., M.Com., Barr.-at-Law Prof.

Dental Science, v. *infra*

Economics
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Education
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Gill, Conrad, Litt.D. Leeds, M.A. Camb., Senr. Tutor, Continuation Dept.

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Simpson, Lilian E., B.A.
Cull, E. C., B.Sc. Lond.

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Stewart, Dorothy W., Mus.Bac. Edin. (also Lectr. in *Music*)
Wilson, Claudine (v. French)

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Panton, R. C., M.Sc., M.A., B.A.I. Dub., A.M.I.C.E. Lectr.
Veal, T. H. P., B.Sc., A.M.I.C.E. Lectr.
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Dean, H. P., B.Sc. (Machine Design) Asst. Lectr.

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Nöel, G., Ph.D. Liège Part-time Lectr.
Dhermy, Madeleine, L. ès L. Paris Asst.

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Manley, G., B.A. Asst. Lectr.

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de Castelvecchio, Linetta P., M.A.

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Lowe, A. L., C.B.E., M.A., LL.B. Camb. Hon. Lectr.
Camm, W. C. Lectr.

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Colomb, Ruby, M.A. Lond.
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Lumsden, T. A., M.A., B.Sc. Edin.

Medicine, v. *infra*

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Turner, T. H., M.Sc. Lectr.

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Shearer, W. J., B.Eng., A.M.I.Min.E. Lectr. in Mine Rescue.

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Graham, J. I., M.A. Camb., M.Sc. Lond., A.R.C.Sc.I. Asst. Dir. of Research.

Music, v. also Educn.

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Blackall, Allen K., F.R.C.O. Lectr.

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Bowen, A. R., M.Sc., Ph.D., A.I.C. Lectr.

Elvins, O. C., M.Sc. Research Asst.

Philosophy and Polit. Economy

Russell, L. J., M.A., Ph.D. Glas. Prof.

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Physics

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Lectrs. :

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Keene, H. B., D.Sc., F.Inst.P.

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Psychology, v. Educn.

Russian

Cheshire, H. T., B.A., Ph.D. [Temp. Lectr.

Spanish

Conroy, R., M.A. N.U.I. Lectr.

Zoology and Comp. Anatomy

Fox, H. Munro, M.A. Camb. Mason Prof.

Newth, H. G., M.Sc., A.R.C.S., D.I.C., F.Z.S. Lectr.

Eastham, L., M.Sc. Leeds Lectr.

Robertson, J. A., B.A. Ox. Asst. Lectr.

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

Bacteriology, v. Path.

Forensic M. & Toxicology

Morrison, J. T. J., M.Sc., M.A., M.B., B.Chir. Camb., F.R.C.S. Prof.

Walker, C., M.D., B.Sc. Asst.

Hygiene and Public Health, v. also Chem.

Robertson, Sir John, C.M.G., O.B.E., M.D., LL.D.Edin., B.Sc. Prof.

Lewis, C. J., M.D., D.Sc. Assoc. Prof.

Auden, G. A., M.D., M.A., Ph.D., D.P.H. Camb., F.R.C.P. (Hygiene) Asst. Lectr.

Infant Hygiene and Dis. of Children

Parsons, L. G., M.D. Lond., F.R.C.P. (also Clin. Lectr.) Lectr.

Materia Medica

Kneale, J. C., M.B., Ch.B., M.P.S. Lectr.

Greenwood, F. R., M.D., B.S. Lond. Demr.

Medicine

Wynn, W. H., M.D., M.Sc. Lond., F.R.C.P. Prof.

Ball, L., M.D., M.R.C.P. Prof.

Hardy, T. L., M.D. Asst.

Mental Diseases

Hughes, P. Y., M.B., Ch.M. Edin., D.P.H. Lond. Lectr.

Joint Board of Research (Univ. and City) :

* Exclusive of 40 clinical lecturers and tutors on the staffs of hospitals.

Pickworth, A. F., B.Sc., M.B., A.I.C. Director.

Midwifery and Dis. of Women

Whitehouse, H. Beckwith, M.S. Lond., Ch.M., F.R.C.S. Prof.

Graham, Lewis, M.S. Lond., F.R.C.S. Lectr.

Shufflebotham, Hilda N., B.Sc., M.B., Ch.B., F.R.C.S. Asst.

Ophthalmology

Evans, J. J., M.D., F.R.C.S. Lectr.

Pathology and Bacteriology

Wilson, G. H., M.D. Glas. Prof. of Path.

Lamb, F. W. M., M.B., Ch.B. Asst. Lectr. in P.

Lewis, C. J., M.D., D.Sc. Edin., F.R.C.P.E. Lectr. in Advanced B.

Shrewsbury, J. F. D., M.B., Ch.B., D.P.H. Lectr. in B.

Maguire, C. C. W., M.D., Ch.B. Asst.

Donovan, Hugh, M.B., Ch.B., F.R.C.S. Asst.

Stammers, A. F., L.D.S. Demr. for Dental Students.

Pharmacology, v. Therapeutics

Radiology

Black, Harold, M.D. Lectr.

Surgery [Prof.

Gamgee, L. P., Ch.M., F.R.C.S.

Billington, W., M.S. Lond., Ch.M., F.R.C.S. Prof.

Lucas, A., F.R.C.S. (S. for Dental Students) Lectr.

Goodwin, B. G., F.R.C.S. Asst.

Surgery, Operative

Barnes, F., M.S., F.R.C.S. Lectr.

Surgery, Orthopædic [Lectr.

Dunn, N., M.A., M.B., Ch.B.

Therapeutics, Pharmacology and

Stanley, D., M.D. Birm. and Edin., F.R.C.P. Prof.

Smellie, J. M., M.D. Edin. Lectr.

Dental Science, v. also Metall., Med., Path., Surg.

Matthews, G. F. C., B.D.S., L.D.S. Lectr. (Orthod.).

Humphreys, H. F., M.B., Ch.B., M.D.S., L.D.S. Lectr. (D. Anat. and Physiol.).

Wellings, A. W., M.D.S., L.D.S. Lectr. (D. Histol., etc.).

Knott, W. M., L.D.S. Lectr. (D. Mechanics).

Madin, W. T., B.D.S., L.D.S. Lectr. (D. Surgery, etc.).

Broderick, R. A., D.S.O., Ch.B., M.B., B.D.S., L.D.S. Lectr. (D. Bacteriology).

Parrott, A. H., O.B.E., M.D.S., L.D.S. Lectr. (D. Mat. Med. and Therap.).

10 Clinical lecturers and tutors on the staff of the Dental Hospital.

Huxley Lecturer, 1925–1926

Sir Oliver Lodge on "Difficulties about the Ether."

University Extension

Tutors: J. W. Harvey (Jt.-Secy.) and 12 others.

AFFILIATED INSTITUTIONS

MIDLAND INSTITUTE. Students are admitted to Intermediate Arts examn. as Internal Students. *Principal*—A. Hayes, M.A. Ox., and Birm.

SALTLEY TRAINING COLLEGE. Students taking the 4-yr. course are admitted to the Intermediate Arts examn. as Internal students. *Principal*—Rev. F. T. Cooper, M.A. Camb.

HANDSWORTH AND LICHFIELD THEOLOGICAL COLLEGES. Students can take the 2nd and 3rd yrs. for the B.A. in their own Colls. *Principals*—Handsworth: F. Platt, M.A., D.D.; Lichfield: L. A. Phillips, M.A. Ox.

GENERAL INFORMATION

The University, formerly the Mason College founded by Sir Josiah Mason in 1880, was incorporated by Royal Charter in 1900. The Charter prescribes instruction in all branches of a liberal education, and such instruction especially as may be of service in the manufactures, commerce, and industrial pursuits of the Midlands. Arts, Medicine, and the Biological departments are still housed in the buildings of Mason College in the centre of the city. Other buildings have been erected and equipped at a cost of £750,000 at Bournbrook on a site of 50 acres.

LIBRARY, about 120,000 vols. *Special Collections*: Sargant, rich in French economic literature of about 1830–1860; Collings, some 350 books on agric. and land problems; Bunce, rich in nineteenth-century biography; Corbett, county, especially Shropshire, history. MUSEUMS, Anat., Dent., Geol., Zool.

LABORATORIES: Chemical (special organic, phys., electro-chem., analytical, and public health depts.); Engin., Metallurgy, and Mining (exceptionally well equipped and including coal-mining research lab., expl. coal-mine and oil-boring plant, petroleum engineering being a speciality); Brewing; Power-station supplying whole Univ. with lighting, heat, and power. A small OBSERVATORY is attached to the dept. of Physics. HOSPITALS (600 beds) available for clinics—General, Queen's, and many special.

FACULTIES: Science, Arts, Medicine, Commerce. Deans: Prof. Turner (Metallurgy), Prof. de Sélincourt (English), W. F. Haslam (Anatomy), Prof. F. Tillyard.

Departments of Education (training for teaching in primary, secondary, and continuation schools); Malting and Brewing and Bio-Chemistry of Fermentation; Legal Studies; Social Study; Industrial Certificates. Connected with the Medical Faculty is a *School of Dentistry*. Research work is co-ordinated by a University *Research Committee*.

MATRICULATION. See Appendix XXI.

DEGREES. B.A., B.Mus., LL.B., M.A., M.Mus., D.Phil., D.Litt.; B.Sc. (in Pure Science, in Engineering—Civ., Elec., Hydro-Elec., Mech., or Oil, in Metallurgy, or in Mining—Coal and Metal), M.Sc., D.Sc.; M.B., Ch.B., B.Sc. (Pub. Health), B.D.S., M.D., Ch.M., M.D.S.; B.Com., M.Com.; Ph.D. (in any Faculty); LL.D. (Honorary).

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 Univs., who are, under certain conditions, admitted to the 1-yr. courses for the M.A. and M.Sc. and to 2 yrs.' courses for the B.Sc. (courses in technical subjects), B.Com. (one year may in exceptional cases be taken elsewhere), Ph.D. (v. p. 18), M.D., or Ch.M.

B.A. Honours schools in Classics, French, German, Engl. Lit., Hist., Social and Polit. Sc., Philos., Maths., Music, Geography, Italian.

In the B.Com. courses one-third of the student's time may, if he chooses, be devoted to work in Applied Science.

The B.Sc. with Honours requires 3 yrs. after the Intermediate standard has been reached. The B.Sc. courses in Engineering and Oil Mining cover 4 yrs. Those in Mining involve practical work underground. Graduates of Oxford who have obtained the Ox. Dipl. in Scientific Engin. and Mining are eligible, subject to certain provisos, for the B.Sc. in Engin., Mining, or Metall. after 2 yrs.' study in Birmingham.

Special course in Spanish for students of applied science; 2 lecture hours a week for 2 sessions.

Med. students may spend their final 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. degree by devoting 6 yrs. after the pre-medical year instead of 5 to study in the Univ.

Candidates for the B.Mus. (Honours) must have passed the matricn. or an equivalent examn. and an examn. in the Rudiments of Music, and power of performance on some musical instrument.

The M.A., M.Com., and M.Sc. involve at least 1 yr. of study after completing the course for the bachelorship.

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

The D.Phil. or D.Litt., M.Mus., or D.Sc. may be taken 3 yrs. after the M.A., B.Mus., or M.Sc.

Advanced Standing. Candidates who pass at entrance certain examns. ordinarily taken after the first year of a degree course may take the final examn. for the B.A. at the end of their second year and the M.A. at the end of their third year. Certain examns. of other approved Univs. and Examining Bodies are accepted as qualifying for such advanced standing.

Diplomas. Art Instructor's (2 yrs.' course), for students of the Municipal School of Art; *Brewing* (3 yrs.' course), Brewing Special for graduates (1 yr.); Graduates' *Commerce* (1 yr. course), open to graduates of any Univ. who have passed an adequate test in accounting; *Mining*; *Social Study* (1 yr. or, Higher Dipl., 2 yrs.' course preparatory for public administration, charity organization, factory welfare, trade union official work, etc.); Secondary, Primary, or Continuation School *Teachers'* (1 yr. course), for graduates of a Univ. of the U.K. or others equally qualified; *Dental Surgery* (4 yrs. subsequent to passing a recognized Pre-Dental examn.); *Public Health* (1 yr. course), not less than 2 yrs. after obtaining registrable qualification in Med., Surg., and Midw.

A Joint *Coal-mining* Diploma of the Univs. of *Oxford* and Birmingham may be taken by Oxford graduates in Engineering who, after 4 months' practical experience in coal-mining, pursue courses covering one session in this Univ. Tuition fee, £60. A similar Joint Diploma of Camb. and Birm. is given.

Mining students from *British Dominions*, not under 25 years of age, who have been regularly employed in mines for not less than 4 yrs. may take a special 2-yrs.' course (combined with practical experience) qualifying for the Univ.'s Mining Diploma.

Certificates for Brewers and Maltsters (2 yrs.).

An *Industrial Certificate* class has been instituted under the control of a joint board of Univ. and Trade Union representatives. This class provides two full days' instruction to members of Trade Unions, nominated by their Unions, in English Literature, Modern History, Economics, and Elementary Science. The class is held in all three terms of the Univ. session, and at the end an Industrial certificate is awarded after examn. The class is a new departure, as it is not based on the principle of evening work but on full-time day work, and the instruction is provided by members of the Univ. Staff. Evening classes are not provided by the Univ., this work being left to the Birm. and Midland Inst., Munic. Tech. Sch., etc.

RESEARCH. A joint standing committee of lay members of council and academic members of senate co-ordinates research work in all faculties, formulates policies of research, obtains funds, and co-operates with Gov. agencies and external bodies. Trust Funds (Spencer and Holcroft) amount to £10,000. There are special committees for research in Mental Diseases and in Cancer.

FEES. Matricn., £2. Tuition for B.A., £75; B.Sc., £75-£96; Engin.,

£221 ; Mining, £146-£198 ; Metall., £129-£175 ; Med., including Hospl. fees, £170 ; LL.B., £29. Examns., Interm. and Final, for first degree, £10, except in Med., £20, and Engin., £12 : 10s. Laboratory research fees average about £20.

SCHOLARSHIPS for advanced students. Walter Myers (Travelling), £150 for 1 yr., renewable, for research in Path. or Clin. Med., open to graduates in Med. and Surg. of Birm. (who have also obtained the B.Sc.), London, Ox., or Camb. ; 10 Scientific Research, tenable for 1 yr. (6 of £96 and 4 of £50 each), are offered annually.

RESIDENCE. For women there is a Hostel—Univ. House, Edgbaston Park Rd. (Warden), with grounds of 2¾ acres ; for 70 men students—Chancellor's Hall (Warden), Augustus Road, Edgbaston ; for 30 men students, Queen's College (Warden), Somerset Road, Edgbaston. The cost of board and lodging is from £2 : 2s. upwards a week

An APPOINTMENTS BOARD (Secy.—The Registrar) has been established.

GUILD OF GRADUATES. Six representatives serve on the Univ. Court of Governors, one of whom is also a member of the Univ. Council. A *Register of Graduates* and a *News Letter* are circulated annually to all members.

UNIVERSITY EXTENSION work includes Lectures and Tutorial Classes in the city and neighbouring towns.

PUBLICATIONS. *Calendar* (Oct.), 2s. ; Sectional Prospectuses (April) ; *Careers* in Science ; *Report of University Research Committee*, including list of research reports published during the session (Jan.) ; students' magazine, the *University Gazette*.

THE YEAR 1925–26

BENEFACTIONS. £100,000 from Sir Charles Hyde to be applied to (*a*) purchase of some 41 acres to the north of the present Edgbaston site, bringing the total site up to approximately 110 acres, (*b*) a new Students' Union, (*c*) the extension of Chancellor's Hall of Residence for men students, (*d*) an addition to the permanent income at the disposal of the Joint Standing Committee of Research. £2250 from the Brewers' Society towards new equipment in the Brewing Laboratories. Additional special grants have been made by the Miners' Welfare Fund towards the cost of building and equipping the Coal Treatment Laboratories. Numerous gifts of sums below £500, together with many gifts of machinery, apparatus, books, specimens from individual donors, and industrial firms have been received.

NEW BUILDINGS. The Biological Block (which will cost approximately £100,000) on the Edgbaston site, with accommodation for Zoology, Botany, and Brewing and Bio-Chemistry should be occupied during the present session (1926-27), and these departments will then be transferred from Edmund Street ; the new block for the Dept. of Petroleum Engineering was formally opened in May 1926, the new Coal Treatment Laboratory for the Dept. of Coal Mining in Nov. 1926 ; the extension of Chancellor's Hall (48 single bedrooms, Dining-room, and Recreation Hall, so as to provide for about 96 students in all) is in progress.

NEW POSTS. Full-time assts. in the Depts. of Chemistry, Botany, and Geography.

OTHER RECENT DEVELOPMENTS. The directorship of the Joint Research Committee (Univ. and City) for Mental Disease, rendered vacant by the death

of Sir Frederick Mott, was filled by the appointment of Dr. Pickworth. A Cancer Research Committee has been formed and is conducting investigations.

STUDENTS. Full-time: total, 1402 (including 489 women); graduates, in Arts, 13 (w. 7); Pure Sc., 32 (w. 4); Applied Sc., 26; Commerce, 3; preparing for a first degree, in Arts, 307 (w. 192); Pure Sc., 266 (w. 83); Med., 188 (w. 36); Law, 14 (w. 1); Applied Sc., 159; Comm., 51 (w. 2); other full-time, in Arts, 217 (w. 169); Pure Sc., 10 (w. 2); Med., 103 (w. 3); Law, 1 (w.); Applied Sc., 14. Resident in hostels, 201 (w. 102). Students from abroad, 117 (w. 4).

Part-time: total, 184 (w. 65); graduates, 35 (w. 6); degree students, 7 (w. 3); diploma, 73 (w. 5); occasional, 69 (w. 51).

Adult education: tutorial class students, 651 (w. 264), including advanced, 12 (w. 10); other extension lecture courses, 149 (w. 88); all in connexion with Workers' Educational Assocn.

Degrees obtained: B.A., 91 (w. 62); B.Sc., 171 (w. 36); M.B., Ch.B., 29 (w. 10); B.Com., 10; B.Mus., 3 (w. 2); M.A., 9 (w. 4); M.Sc., 31 (w. 2); Ph.D., 12; D.Sc., 1; D.Litt., 1 (w.); M.D., 4 (w. 2); M.Com., 4.

UNIVERSITY OF BRISTOL

VISITOR—H.M. THE KING.

CHANCELLOR—Rt. Hon. VISCOUNT HALDANE OF CLOAN, K.T., O.M., D.C.L., LL.D., F.R.S. (*ex officio* President of Court, Council, and Convocation).

PRO-CHANCELLORS—Rt. Hon. HENRY HOBHOUSE, M.A., LL.D.; Sir GEORGE A. WILLS, Bart., D.C.L., LL.D.; The Rt. Rev. the LORD BISHOP OF BRISTOL, D.D., LL.D.; STANLEY H. BADOCK.

VICE-CHANCELLOR—THOMAS LOVEDAY, M.A. Ox.

PRO-VICE-CHANCELLOR—Prof. F. FRANCIS, D.Sc., Ph.D., F.I.C.

TREASURER—STANLEY H. BADOCK.

DEANS OF FACULTIES. See under " General Information "—Faculties.

LIBRARIAN—W. L. COOPER, M.A. Ox.

TUTOR TO THE WOMEN STUDENTS AND WARDEN OF THE UNIV. HALL OF RESIDENCE FOR WOMEN—MAY C. STAVELEY, M.A.

DIRECTOR OF SCHOOL CERTIFICATES—Prof. F. F. BOILLOT, M.A.

DIRECTOR OF EXTRA-MURAL STUDIES—J. H. NICHOLSON, M.A.

REGISTRAR—E. G. FRANCIS, M.A. Camb.

ASSOCIATED INSTITUTIONS

(In which specialized teaching is given or facilities for research are afforded.)

ROYAL AGRICULTURAL COLLEGE, CIRENCESTER, founded 1845 and associated with the Univ. from 1910, was closed during the war, but was reopened in 1923 with M. J. R. Dunstan, O.B.E., M.A., as Principal.

NATIONAL FRUIT AND CIDER INSTITUTE, LONG ASHTON (v. *infra*, LABORATORIES). *Director*—Prof. B. T. P. Barker, M.A.

REDLAND HIGH SCHOOL, COLSTON'S GIRLS' SCHOOL, and CLIFTON HIGH SCHOOL, BRISTOL, for kindergarten training.

GLOUCESTERSHIRE TRAINING COLLEGE OF DOMESTIC SCIENCE, for practical course for B.Sc. in Dom. Sc.

Theological—

BRISTOL BAPTIST COLLEGE. *Principal*—A. Dakin B.D. Lond., D.Th. Heid.

WESTERN COLLEGE, BRISTOL. *Principal*—R. S. Franks, M.A., D.Litt.

THEOLOGICAL COLLEGE, SALISBURY. *Principal*—C. T. Dimont, M.A., D.D.

S. BONIFACE COLLEGE, WARMINSTER. *Principal*—J. W. S. Tomlin, M.A.

PROFESSORS, LECTURERS, ETC.

Agriculture

Dunstan, M. J. R., O.B.E., M.A. Ox., F.I.C. Prof.
Barker, B. T. P., M.A. Camb. (A. Biology) Prof.
Wallace, T., M.Sc. Durh., A.I.C. (A. Chem.) Lectr.
Grove, O. (Œnology), M.Sc. Lectr.
Lees, A. H., M.A. Camb. (Entomology) Lectr.
Spinks, G. T., M.A. Camb. (A. Botany) Lectr.
Tutin, F. (Bio-Chem.), M.Sc. Lectr.
Maynard, J. G., M.A. Camb. (Pomology) Lectr.
Ball, E., B.A. Camb. (Pomology) Asst. Lectr.
Mann, C. E. T., M.Sc. Lond. (Plant Physiology) Asst. Lectr.
Hutchinson, H. P., B.Sc. (Willow-growing) Lectr.
Hanley, J. A., A.R.C.S. Lond., Ph.D. Munich (A. Science) Lectr.
Weller, E. P., P.A.S.I. (A. Economics) Lectr.
Staniland, L. N., A.R.C.Sc. (Entomology) Asst. Lectr.
Nattrass, R. M., B.Sc. Lond. (Mycology) Asst. Lectr.
Marsh, R. W., B.A. Camb. (Mycology) Asst. Lectr.
Ling, A. W., B.Sc., N.D.A. (A. Chem.) Asst. Lectr.
MacEacharn, C A., B.Sc. Durh. (Dairy Bacteriology) Asst. Lectr.

At Campden Fruit and Veg. Preserving Station :

Appleyard, A., M.Sc., F.I.C. Dir. & Lectr. in Bio-Chem.
Hirst, F., A.R.C.S. Lectr. (Micro-Biology).
Adams, Miss M. Demr.

Anatomy

Fawcett, E., M.D., C.M. Edin., F.R.S. Prof.
Stock, W. S. V., M.B., B.S. Lond., F.R.C.S. Demr.
Llewelyn, Miss G. R., M.Sc. Demr.
Adams, A. W., M.B., M.S. Lond., F.R.C.S. Demr.
Moore, C. A., M.S., M.B. Lond., Ch.M., F.R.C.S. (Surg. and Applied Anat.) Lectr.

Anthropology

..... Lectr.

Arabic, Aramaic, etc., v. Orient.

Art

Richardson, A. E., F.R.I.B.A. (S.).

Bio-Chemistry, v. also Agric.

Nierenstein, M., Ph.D. Berne, D.Sc. Gén. Lectr.

Botany, v. also Agr.

Darbishire, O. V., B.A. Ox., Ph.D. Kiel Prof.
MacGregor Skene, D.Sc. Aberd. Lectr.
Gilchrist, Miss G., B.Sc., M.S. Wisconsin Lectr.
Bracker, Miss R., M.Sc. Asst. Lectr.
White, J. W. (Systematic B.) (S.).
Gardiner, G. F., F.R.H.S. (Gardening) (R.).

Chemistry, v. also Agric.

Francis, F., D.Sc. Manc., Ph.D. Erl., F.I.C. A. C. Pass Prof.
Davis, O. C. M., D.Sc. Lond., D.Sc., M.D., Ch.B., F.I.C. (also Lectr. in Med. to *Dental* Students and in For. Med. and Toxicol.) Lectr.
Rixon, F. W., M.Sc. Manc., Ph.D. Gies., M.A., F.I.C. Lectr.
Taylor, Millicent, D.Sc., F.I.C. Lectr.
Menzies, R. C., Ph.D. St. And., F.I.C. Lectr.

Chemistry, Applied, v. p. 38.

(R.) = Recognized teacher. (S.) = Special Lectr. * Head of Dept.

Chemistry, Hygienic [Lectr.
Russell, E., B.Sc. Lond., F.I.C.

Chemistry, Physical
..... Leverhulme Prof.
.....
Lectr. and Research Asst.

Classics [H. O. Wills Prof.
Dobson, J. F., M.A. Camb. (Greek)
..... Prof.
Pitman, H., M.A. Ox. Lectr.
Cuttle, W. L., B.A. Camb.
Asst. Lectr.

Commerce, v. Engineering

Dental Science, v. *infra*

Economics
Whyte, W. H., M.A. Leeds Lectr.*
Burrows, H. B., B.Com. Leeds
Lectr.

Education
Wodehouse, Helen M., M.A., D.Phil. Birm. Prof.
Pease, Marian F., LL.D. (S.).
Foster, T. S., M.A. Ox., Master of Method Reader.*
Mullock, Amy, M.Sc. Manc., M.A.
Mistress of Method *
Childs, E. C., M.A., B.D. Lond.
Lectr.
Carré, M. H., M.A. Ox. (E. and *Philos.*) Lectr.
Nicholson, J. H., B.A. Ox., M.A.
Lectr.
Drummond, H. Ann, B.A. Lond.
Lectr.
Morgan, L. T., M.A., B.Sc., L.C.P.
Lectr.
Whitwill, Gladys C., N.F.U.
Lectr.
Pilley, J. G., B.A. Ox. Lectr.
Warrell, A., F.R.C.O.
Lectr (*Music*).
Asst Lectrs. (v. also Local Gov.):
Davies, Hilda M., M.A. Wales
Byrne, Miss J. W. (Kindergarten).
Gothorp, Miss M. (Kindergarten).
Skinner, F. Drawing (R.).
Elliott, Miss M. K.
Carlson, J. E. G. Phys. Exerc. (R.).
Jennings, Miss E. S. ,, ,, (R.).

Engineering, v. p. 38.

English [Winterstoke Prof.
Crofts, J. E. V., B.A., B.Litt. Ox.
Haworth, P., M.A. Manc., Ph.D. Innsb. Lectr.
Birkhead, Edith, M.A. Liv. Lectr.
Needham, H. A., M.A. Birm.
Asst. Lectr.

French, v. also p. 38. [Prof.
Boillot, F. F., M.A. Shef., L. ès L.
Perkins, B. N., M.A. Camb. Lectr.
Warne, F. J., B.A. Lond.
Asst. Lectr.

Geography [Reader.*
Jervis, W. W., M.Sc. Durh., F.G.S.
Kendall, O. D., B.A. Camb.
Asst. Lectr.

Geology
Reynolds, S. H., M.A., Sc.D. Camb. C. Wills Prof.
Turner, H. W., M.A. Ox., F.G.S.
Lectr.
Smith, S., M.A. Camb., D.Sc. Durh. Lectr.
Wallis, F. S., Ph.D. Asst. Lectr.

German
Boyd, J., M.A., B.Litt. Ox.
Reader.

Hebrew, v. Orient. Langs.

History
Leonard, G. H., M.A. Camb., M.A. (Modern H.) H. O. Wills Prof.
Staveley, May C., M.A. Dub., M.A. Lectr.
Gardner, Alice, M.A. (Byzantine H.) Reader.
MacInnes, C. M., M.A. Ox. Lectr.
Gough, J. W., M.A. Ox. Lectr.

Italian
Gualtieri, Signa. E. Lectr.*

(R.) = Recognized teacher. (S.) = Special Lectr. * Head of Dept.

Law [Lectr.*
Lewis, M. M., M.A., LL.B. Camb.
Veale, E. W. W., LL.B. Lond. Asst. Lectr.
Wilshere, A. M., M.A. Ox., LL.B. Lond. Lectr. (Comml. L.).

Mathematical Physics
Lennard-Jones, J. E., D.Sc. Manc., Ph.D. Camb. Reader.

Mathematics
Hassé, H. R., M.A. Camb., D.Sc. Manc. H. O. Wills Prof.
Todd, H., B.A. Camb. Lectr.
Vint, J., M.A. Belf. Lectr.
Fraser, P., M.A. Camb., B.Sc. Aberd. Reader (Geometry)
Hodge, W. V. D., M.A. Edin. Asst. Lectr.

Maths., Applied
Boulton, E. S., M.A. Camb., B.Sc. Lond. Prof.

Medicine, v. *infra*

Military Subjects
Stuart, Capt. R. S. D. (S.).

Mining, v. Engin.

Music, v. Educn.

Oriental Languages
O'Leary, De L., M.A., D.D. Dub. (Aramaic and Syriac) (S.).
Polack, J., B.A. Lond. (S.).

Philology, Comparative
Sibree, E., M.A. Ox. Lectr.

Philosophy, v. also Educn.
Field, G. C., M.A. Ox. Prof.

Physics, v. also Chem., Math.
Tyndall, A. M., D.Sc. Lond., D.Sc. H. O. Wills Prof.
Williams, Illtyd, M.Sc. Wales Lectr.
Piper, S. H., D.S.O., B.Sc., F.I.P. Lond. Lectr.
Sucksmith, W., B.Sc. Leeds Lectr.
Potter, H. H., Ph.D. Lond., B.Sc. Asst. Lectr.

Physiology
Buckmaster, G. A., M.A., M.D., B.Ch., D.P.H. Ox. H. O. Wills Prof.
Short, A. R., B.Sc., M.D., B.S. Lond., F.R.C.S. Lectr.
Hickman, H. R. B., M.A., M.B., B.Ch. Ox. Lectr.
Wiltshire, Miss M. O. P., M.Sc. Lectr.

Social Work
Orpen, Miss A. K. (R.).

Technology, v. *infra*

Theological Subjects
Dakin, A., B.D. Lond., D.Th. Heid.
Robinson, F. E., B.A., B.D. Lond., M.A.
Franks, R. S., M.A. Camb., D.Litt. Ox.
Dimont, C. T., D.D. Ox., M.A.
Bellars, A. R., M.A. Camb. and Bris.
Hawes, A. J. G., B.D. Lond.
Clayton, J. F., M.A. Ox.
Richardson, A. T., M.A. Ox.
Prideaux, S. P. T., D.D. Ox.
Burn, A. E., D.D. Camb.
Tomlin, J. W. S., M.A. Ox.
Marshall, H. S., A.K.C.

Zoology [Reader.
Henderson, W. D., M.A., B.Sc. Aberd., Ph.D. Freib. i/B.
Low, J. W., B.Sc. Edin., F.Z.S. Asst. Lectr.
Kearns, H. G. H., B.Sc. Lond. Asst. Lectr.

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

Anæsthetics
Flemming, A. L., M.B., Ch.B. Lectr.* (C.).
Corfield, C., M.D. Durh. (C.).
Cooper, R., M.R.C.S., L.R.C.P. (R.).

(C.) = Clinical Lectr. (R.) = Recognized teacher. (S.) = Special Lectr.
* Head of Dept.

Tutors:
Stock, W. S. V., M.B., B.S. Lond., F.R.C.S. (v. also Anat.).
Logan, H. B., M.R.C.S., L.R.C.P.

Bacteriology, v. Pathology

Diseases of the Skin
Wills, W. K., O.B.E., M.A., M.B., B.Chir. Camb. (C.).
Kingston, S. H., M.B., Ch.B., D.P.H. (C.).

Fevers
Peters, B. A., M.D., B.Ch., D.P.H. Camb. (C.).

Forensic Med., etc., v. Chem.

Laryng., Rhin., and Otology
Watson-Williams, E., M.B., B.Ch. Camb., Ch.M. (C.).
Wright, A. J. M., M.B., B.S. Lond., M.B., Ch.B., F.R.C.S. Lectr.*
Harty, J. P. I., B.A., M.B., B.Ch., R.U.I., F.R.C.S. (C.).
Popper, O. O., M.B., Ch.B. Edin. (C.).
Harris, H. E., B.A., M.B., Ch.B. Camb. (R.).

Medicine, v. also Path., Pharm.
Edgeworth, F. H., M.A., M.D., B.Chir. Camb., D.Sc. Lond. (C.) Prof.
Nixon, J. A., C.M.G., B.A., M.D., B.Chir. Camb., F.R.C.P. Clinical Dean and Prof.
Symes, J. O., M.D. Lond., D.P.H. (C.).
Coombs, C. F., M.D., B.S. Lond., F.R.C.P. Clinical Dean (C.).
Charles, J. R., M.A., M.D. Camb., F.R.C.P. (C.).
Clarke, R. C., O.B.E., M.B., Ch.B. (C.).
Birrell, J. A., M.D., B.S. (R.). Jr. Tutor.
Herapath, C. E. K., M.D., B.S. Lond. (C.).
Carleton, H. H., M.A., M.D., B.Ch. Ox. Sr. Tutor (C.).
Trist, J. R. R., M.R.C.S., L.R.C.P. Jr. Tutor (R.).

Medicine (*Dental Students*)
Davis, O. C. M. (v. Chem.) Lectr.

Mental Diseases [(C.).
White, E. B. C., M.R.C.S., L.R.C.P.

Obstetrics [Prof. (C.) †
Rayner, D. C., F.R.C.S.
Statham, R. S. S., O.B.E., M.D., Ch.M. Lectr. & Demr. (C.).
Smythe, H. J. D., M.S. Lond., F.R.C.S. (C.).
Baker, Lily, M.D., B.Ch. Lond., B.A.O., F.R.C.S.I. (R.).

Ophthalmology
Walker, C. H., B.A., M.B. Camb., F.R.C.S. Lectr.*
Cross, F. R., M.B. Lond., LL.D., F.R.C.S. Reader.
Iles, A. E., M.B., B.S. Lond., F.R.C.S. (C.).
Chambers, E. R., F.R.C.S.E., D.O.M.S. (C.).
Garden, R. R., M.A., M.B., Ch.B. Aberd., D.P.H. (R.).

Pathology, v. also Pub. Health
Hall, I. W., M.D., Ch.B. Manc. Prof.

Path. and Bacteriology
Todd, A. T., O.B.E., M.B., Ch.B. Edin. (also (C.) in Med.) Demr.
Hadfield, G., M.D., B.S. Lond. Demr.

Pharmacology and Therap.
Neild, Newman, M.B., Ch.B. Vict. (also (C.) in Med.) Lectr.*

Pharmacy (*Practical*)
Taylor, A. L., M.P.S. (R.).
Thomas, Wm., M.P.S. (R.).

Physio-Therapy [(R.).
Christofferson, P. E., M.B., Ch.B.

Public Health
Askins, R. A., M.D. Dub., D.P.H. Camb. Lectr.*

(C.) = Clinical Lectr. (R.) = Recognized teacher. * Head of Dept.
† Director of Clinical Studies.

Heaven, J. C., M.R.C.S., D.P.H. Lectr.
Fraser, A. D., M.A., B.Sc., M.B., Ch.B. Glas., D.P.H. Demr. in Path. and P.H. Lectr.
Faill, C. J. C., F.R.C.P. Edin. Lectr.
Kingston, S. H., M.B., Ch.B., D.P.H. Asst. Lectr.

Radio-Therapy [(C.).
Mayes, F. J. A., M.R.C.S., L.R.C.P.

Skiagraphy [(C.).
Bergin, F. G., M.R.C.S., L.R.C.P.

Surgery
Groves, E. W. H., M.D., M.S., B.Sc. Lond., F.R.C.S. Prof.†
Robb, J. J., M.B., Ch.B. Edin. Asst. to Prof.
Chitty, H., M.B., M.S. Lond., F.R.C.S. (C.).
Walters, C. F., F.R.C.S. (C.).
Moore, C. A., M.S., M.B. Lond., Ch.M., F.R.C.S. (C.).
Short, A. R., B.Sc., M.D., B.S. Lond., F.R.C.S. (C.).
Wood, D., F.R.C.S. (C.).
Adams, A. W., M.B., M.S. Lond., F.R.C.S. (C.).
Tasker, D. G. C., M.B., M.S. Lond., B.Sc., F.R.C.S.
Jackman, W. A., M.B., Ch.B. Lectr. to *Dental Students* (C.). Tutor.
Duerden, J. R., M.B., Ch.B. (R.).

Dental Science

Dental Mechanics
Wing, J. C., L.D.S. Lectr.*

Dental Surgery, v. also Chem. and Surg.
Claremont, L. E., L.D.S., M.R.C.S., L.R.C.P. Lectr.*
Nichols, F. C., M.B., Ch.B., L.D.S. (also in D. Anat.) Lectr. & Demr. (C.).
Kettlewell, N. H., L.D.S. Tutor.
Rigg, S. K., L.D.S. Tutor.
Fawn, G. F., B.D.S. Tutor.
Lennox, W. J., B.D.S. Tutor.
Tratman, E. K., B.D.S. Tutor.

Engineering

(In the Technical College of the Society of Merchant Venturers)

Applied Chemistry
Andrews, W. A., B.Sc. Birm., A.I.C. Lectr.

Automobile Engineering
Morgan, W., B.Sc., M.I.A.E. Prof.

Civil Engineering
Ferrier, R. M., M.Sc. Glas., M.I.C.E., M.I.Mech.E. Prof.
Francis, W. E., B.Sc. Wales. Lectr.

Drawing
Baker, J. W. Instr.
Mountney, C. F., A.M.I.Mech.E. Instr.

Engineering Comml. Subjects
Griffin, A. Lectr.

Electrical Engineering
Robertson, D., D.Sc. Glas., M.I.E.E. Prof.
Holmes, S. Lectr.

Mechanical and Mining Engineering
Robertson, A., D.Sc. Edin. Prof.
Watson, F. R. B., B.Sc. Edin. Lectr. (Mech. E.).
Stephens, G. A., B.Sc. Asst. Lectr. (Mech. E.)

French and German for Engin. Students
..... Asst. Lectr.

University Extension

Director of Extra-mural studies —Nicholson, J. H., M.A. (v. Educn.).
Extra-mural Lecturers: 51 members of the staff, including 11 for Tutorial Classes and 3 for Preparatory Classes.

(C.) = Clinical Lectr. (R.) = Recognized teacher. * Head of Dept.
† Director of Clinical Studies.

GENERAL INFORMATION

University College, Bristol, founded in 1876, was dissolved in 1909 on the incorporation by Royal Charter of the Univ. of Bristol. The main buildings, including a large extension recently opened which cost £500,000, a new building for the accommodation of the Physics department (cost £200,000), and other projected additions, when complete, will cover a site of 16 acres near the centre of the city on high ground adjoining residential districts. The Municipal Museum and Art Gallery adjoin.

The TECHNICAL COLLEGE OF THE SOCIETY OF MERCHANT VENTURERS provides accommodation for and maintains the Faculty of Engineering of the University. Dean of the Faculty—Prof. Andrew Robertson, D.Sc.

LIBRARIES, 70,000 vols. LABORATORIES: Scientific, Medical, and Engineering, all equipped for purposes of research. Agri-Horticultural station at Long Ashton with Expl. fruit plantations 268 acres devoted to research in fruit-culture, cider-making, plant diseases and their treatment, etc. Fruit and vegetable preservation research station at Campden, Glos., controlled by the Univ. on behalf of the Ministry of Agr., for instruction and experimentation on a semi-commercial scale. Hospitals available for clinical study, 2 General (618 beds), Children and Women (109), Eye (40), in all 767 beds.

FACULTIES. Arts, Science, Medicine, Engineering. Deans: Prof. Crofts (English), Prof. Hassé (Mathematics), Prof. Fawcett (Anatomy), Prof. A. Robertson.

Special Departments. Education (places for 180 men and 180 women students); Agriculture and Horticulture; Pathological Laboratory (for investigation of epidemic and other outbreaks, examination of waters and foods, and routine diagnostic work required by medical practitioners).

MATRICULATION. In common with all other English Univs., Bristol holds School and Higher School Certificate Examns., at which candidates may qualify for matriculation. It holds no separate matriculation examn. See also Appendix XXI.

DEGREE COURSES. B.A., B.Sc., B.Sc. in Engineering—3 yrs., including at least 2 in the Univ.; Honours in Arts and Pure Science—4 yrs., except for those who enter with Higher School Certif.; B.Sc. in Domestic Science—4 yrs.; on an evening class curriculum—6 yrs. (Engineering 5 yrs.); by research in case of a graduate of another Univ.—2 yrs.; "Sandwich" Scheme of Training for Engineers, including 30 mos. in works—5 yrs.; M.B., Ch.B.—5 yrs., after passing a Prelim. Science examn. in Chem. and Physics; B.D.S.—5 yrs., including at least 3 in the Univ.; B.Agr.—5 yrs.

Instruction given in Theological subjects in the Associated Colleges to undergraduates of the Univ. by the Principal or teachers mentioned above is, for the purpose of the B.A. degree, deemed to be given in and by the Univ.

Post-graduation medical studies are under the direction of the Prof. of Pathology, who arranges for weekly afternoon demonstrations and discussions in April and May. Fee for the course, 1 guinea.

HIGHER DEGREES. M.A., D.Litt.; M.Sc., D.Sc. (in Pure Sc. or Engineering); Ch.M., M.D.; Ph.D. (see p. 18). Graduates of other Univs. are placed practically on the same footing as graduates of Bristol as far as regards facilities for proceeding to all these except the Medical Degrees. Candidates who graduate with Honours in Science may take the M.Sc. one yr. later. Otherwise the Mastership is not granted within 2 yrs. after graduating. The M.D. may be taken 2 yrs. after graduating in Med., the D.Litt. 4 yrs. after the

M.A., and the D.Sc. 4 yrs. (3, if devoted to original work in the Univ.) after the M.Sc.

DIPLOMAS. Education (post-graduate) 1 yr., L.D.S. 4 yrs., D.P.H. (for fully registered medical practitioners of 2 yrs'. standing), 9 months, D.V.S.M. (for M.R.C.V.S. of 1 yr.'s standing), Engineering 3 yrs. (or evening classes 5 yrs.).

CERTIFICATES. Testamur in Educn., 1 yr.; Continuation School Teachers' Certif., 1 yr.; Testamur in Social Study, 2 or (Higher Testamur) 3 yrs.; Testamur in Biology, 1 yr.; Engineering Apprentices, 2 yrs.

FEES. Matricn., 3 gs.; Registration, £1 : 10s.; Tuition, annual, B.A., 24 (Theol. students, 20) gs.; B.Sc., 30 gs.; B.Sc. in Engin., 40 gs. (Lab. practice alone, 4 gs. per term for one day a week); M.B., Ch.B., entire curriculum, 205 gs.; B.D.S., including mech. lab. and hospl. practice, 215 gs.; Testamur in Social Study, 2 yrs., 27 gs.; Degree examns. (including Graduation), B.A. or B.Sc., 9½ gs.; M.D., 24 gs.; M.D.S., 24 gs.; M.A. and M.Sc., 9½ gs.; Ph.D., 13 gs. Univ. Union, £3 : 3s. per annum.

RESEARCH. The Colston Research Society devotes annually about £400 to the promotion of Research in the Univ. It offers, preferably to Bristol graduates, fellowships of £150 each, the money being provided by donors, who are allowed to determine the subject of the research and, subject to the approval of the Board of the Faculty, to nominate the holder. The donor has a right of access to the research work and to receive the result of it 12 months prior to publication.

SCHOLARSHIPS FOR GRADUATES. £160 for research in Engin.; £45 and £31 (women only), 46 gs. (men only), for post-graduate course; £52 for Chemical Metall. research; £7 for study in English Lit.

RESIDENCE. Mortimer House and Canynge Hall for men—from £75 and £67 : 10s. p.a.; Clifton Hill House and 4 other residences for women students —from 60 gs. p.a.

APPOINTMENTS BOARD. Secy., O. V. Guy, B.A., D.S.O.

For FORMER STUDENTS there is an Association of Alumni.

UNIVERSITY EXTENSION. A Joint Board was formed in 1922 consisting of representatives of the Univ. of Bristol, the Univ. College of the South-west of England, Exeter, and the Univ. College of Southampton. Secy.—J. H. Nicholson, M.A., Director of Extra-mural Studies, The University, Bristol.

Co-operation with Rural Community Councils. The Univ. appoints 3 representatives to the R.C.C. of Gloucestershire and Somerset respectively. The Director of Extra-mural Studies in the Univ. is Vice-Chairman of the Gloucestershire R.C.C., and Chairman of the Education Committee of each of the two Councils. The Gloucestershire R.C.C. contributes to the salary of a whole-time tutor for Adult Education, appointed by the Univ. for that County.

PUBLICATIONS. *Calendar*; Faculty prospectuses issued in June; annual report of Council; Pamphlets on Extension Lectures (with list of lectures on the Bristol, Southampton, and Exeter panels), Public Lectures, Halls of Residence, Regns. for Matricn. and for School Certif. Examns. (*Examn. Papers*, 1s. 3d. per set post free); Students' Mag. *Nonesuch*, 9d.

THE YEAR 1925–26

BENEFACTIONS. Gift of £135,000 by Sir George A. Wills for the erection of a Residential College for Men at Downside, Clifton.

NEW BUILDINGS. Residential College begun; new Physics building continued.

NEW POSTS. Lecturers in Domestic Science and (Clinical) in Laryngology, etc.; Asst. Lectrs. in Classics, French, Maths., Botany, Zoology, Dairy Bacteriology, Public Health; Asst. to the Prof. of Surgery; Tutor in Dental Surgery; Resident Tutor in Economics.

NEW REGULATIONS were made: (1) for the Degree of B.Sc. in *Domestic Science*, the Gloucestershire Training College of Dom. Sc. being associated with the Univ. for the purpose of the necessary practical work: the curriculum occupies 4 years, the first 3 of which are spent in the Science Faculty; (2) for a *Testamur in Biology*, the course (1 year) being intended primarily for students who have taken a 2-year course in the Dept. of Education, and Trained Certificated Teachers.

OTHER NEW DEVELOPMENTS. An *Appointments Board* was constituted, consisting of the Vice-Chancellor, 4 members of Council, and the Deans of Faculty.

SPECIAL CONFERENCES were held with Training Colleges to organize co-operation.

RESIGNATIONS. Prof. F. Brooks retired from the Chair of Classics which he had held for 30 years; Prof. L. J. Russell appointed Prof. of Philosophy at Birmingham, succeeded by G. C. Field from Liverpool; Miss H. Cashmore, Lectr. in Local Government, appointed Warden of Univ. Settlement, Manchester; J. W. C. Wand; J. Segall; M. Goyer; Miss R. M. Wilson; H. Bolton; Miss E. M. Lee; Miss M. J. M. Watson; Capt. A. H. Killick, Adjutant, O.T.C. (to take up an appointment at Staff College, Camberley); H. R. Briton-Jones, Lectr. in Mycology, appointed Prof. of Mycology Imperial College of Tropical Agr., Trinidad; Miss D. B. Shepherd.

RETIREMENTS. Dr. D. S. Davies; Dr. G. Parker; T. Carwardine; J. Lacy Firth.

HONORARY DEGREES. *LL.D.*—Rev. T. Ferrier Hulme.

OTHER DEGREES. B.A., 52 (including 35 women); B.Sc., 47 (w. 9); M.B., Ch.B., 20 (w. 4); M.A., 2; M.Sc., 2; Ch.M., 1; M.Sc.Eng., 1; Ph.D., 3; M.D., 1 (w.).

STUDENTS. Full-time: Arts and Pure Science, graduate students, 26 (w. 2), preparing for first degree, 412 (w. 197); Medicine, grad. 2 (w. 1), degree students, 147 (w. 20), others, 57 (w. 4); Engineering, degree, 86, others, 11; Education (2-years' students), 121 (w. 78); Social study, 7 (w.). Resident in hostels, 288 (w. 160). From abroad (France, Esthonia, Egypt, Siam, India), 62 (w. 2).

Part-time: Arts and Pure Science, diploma students, 33 (w.), occasional, 18 (w. 3); Med., occasional, 2; Education, occasional, 6 (w. 4).

Attending extension lectures, 494; evening lectures, 753; Tutorial classes, 438; Teachers' classes, 152; Summer School (average for 2 weeks), 37. The Joint Board for Univ. Extension organized 207 lectures, including eleven courses of 12 or more; Bristol section, 57 lectures, including 3 courses of 12 each.

UNIVERSITY OF CAMBRIDGE

CHANCELLOR—Rt. Hon. the EARL OF BALFOUR, K.G., O.M., M.A., Hon. LL.D. Trinity.

VICE-CHANCELLOR—G. A. WEEKES, M.A., Master of Sidney Sussex College.

HIGH STEWARD—His Grace the DUKE OF DEVONSHIRE, K.G., G.C.M.G., G.C.V.O., M.A., Hon. LL.D. Trinity.

DEPUTY HIGH STEWARD—Rt. Hon. BARON HANWORTH, K.B.E., M.A. Trinity, Master of the Rolls.

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

PROCTORS—E. WELBOURNE, M.A. Emmanuel; C. S. GILLETT, M.A. Peterhouse.

ORATOR—T. R. GLOVER, M.A. St. John's.

REGISTRARY—E. HARRISON, M.A. Trinity.

ASSISTANT REGISTRARY AND SECRETARY OF THE GENERAL BOARD OF THE FACULTIES—R. E. PRIESTLEY, M.A. Clare.

LIBRARIAN—A. F. SCHOLFIELD, M.A. King's.

REPRESENTATIVES IN PARLIAMENT—Sir GEOFFREY BUTLER, K.B.E., M.A. Corpus; J. J. WITHERS, C.B.E., M.A. St. Catharine's.

HEADS OF COLLEGES

CHRIST'S	*Master*	Sir A. E. SHIPLEY, G.B.E., Sc.D.
CLARE	,,	W. L. MOLLISON, LL.D.
CORPUS CHRISTI	,,	E. C. PEARCE, D.D.
DOWNING	,,	Prof. A. C. SEWARD, Sc.D.
EMMANUEL	,,	P. GILES, Litt.D.
GONVILLE AND CAIUS	,,	Sir H. K. ANDERSON, M.D.
JESUS	,,	A. GRAY, M.A.
KING'S	*Provost*	A. E. BROOKE, D.D.
MAGDALENE	*Master*	A. B. RAMSAY, M.A.
PEMBROKE	,,	W. S. HADLEY, LL.D.
PETERHOUSE	,,	Lord CHALMERS OF NORTHIAM, P.C., G.C.B., M.A., LL.D.
QUEENS'	*President*	T. C. FITZPATRICK, D.D.
ST. CATHARINE'S	*Master*	.....

ST. JOHN'S	*Master*	Sir R. F. SCOTT, M.A.
SIDNEY SUSSEX	,,	G. A. WEEKES, M.A.
TRINITY	,,	Sir J. J. THOMSON, O.M., M.A., Hon. Sc.D.
TRINITY HALL	,,	H. BOND, LL.D.
SELWYN (Public Hostel)	,,	J. O. F. MURRAY, D.D.
FITZWILLIAM HOUSE (Non-Collegiate Students)	*Censor*	W. S. THATCHER, M.A.

RECOGNIZED COLLEGES FOR WOMEN

GIRTON	*Mistress*	Miss E. H. MAJOR, M.A. Dub.
NEWNHAM	*Principal*	Miss J. P. STRACHEY, M.A. Dub.

PROFESSORS, LECTURERS, ETC.

Aeronautics, v. Engineering

Agriculture, v. also Animal, Estate Man., Forestry

Wood, T. B., C.B.E., M.A. Cai. Drapers Prof.
Venn, J. A., M.A. Trin. Gilbey Lectr.
Amos, A., M.A., Down. Lectr.
..... Lectr. in Tropical Agric.
Engledow, F. L., M.A. Joh. Lectr.
Mansfield, W. S., M.A. Emm. Lectr.
Line, J., M.A. Emm. Lectr.
Newman, L. F., M.A. Cath. Lectr.
Yule, G. U., M.A. Joh. Lectr.
Davidson, H. R., M.A. Chr. Demr.

Agric. Botany [Prof.
Biffen, Sir Rowland H., M.A. Cath.

Agric. Physiology [Reader.
Marshall, F. H. A., Sc.D. Chr.

Anatomy, v. also Zool.

Wilson, J. T., M.A. Joh. Prof.
Duckworth, W. L. H., M.D., Sc.D. Jes. (Human A.) Reader.
Shearer, C., Sc.D. Cla. (Embryology) Lectr.
Appleton, A. B., M.D. Down. Lectr.
Reid, D. G., M.A. Trin. Demr.
Hopkinson, A., M.A., M.B., B.Chir. Emm. Demr.
Pennell, V. C., M.A., M.B., B.Chir. Pemb. Demr.

Anglo-Saxon

Chadwick, H. M., M.A. Clare Elrington and Bosworth Prof.

Animal Pathology

Buxton, J. B., M.A. Prof.

Anthropology, v. also Eth.

R. R. Marett, M.A., D.Sc. Ox. Frazer Lectr.

Arabic, v. Oriental

Archæology, v. also Classical A., Classics, Orient.

..... Disney Prof.
Burkitt, M. C., M.A. Trin. Lectr.

Architecture, School of [Master.

Fyfe, T., M.A. Pemb., F.R.I.B.A.
Tomlinson, H., M.A. Chr. Demr.
Lyon, T. H., M.A. Corp. Dir. of Design.
Hughes, H. C., M.A. Pet., A.R.I.B.A. Lectr.
Pite, B., Hon. M.A. Cai., F.R.I.B.A. Lectr.
Cosens, C. R. G., M.A. King's Lectr.

Art [Slade Prof. of Fine Art.

Prior, E. S., M.A. Cai.
Checkley, G.; Tomlinson, H., M.A. Demrs.

Assyriology, v. Oriental Langs.

Astronomy [Plumian Prof.
Eddington, A. S., M.A. Trin.
Smart, W. M., M.A. Trin.
Chief Asst. & Adams Astronomer.
Green, H. E. Second Asst.
Astron. & Geom. [Lowndean Prof.
Baker, H. F., Sc.D. Joh.
Astrophysics
Newall, H. F., M.A. Trin. (Dir. of Solar Phys. Obs.) Prof.
Carroll, J. A., M.A. Sid. Lectr. & Asst. Dir.
Wormell, T. W., B.A. Joh. Obs. in Meteorological Phys.
Baxandall, F. E., A.R.C.Sc. 1st Sen. Solar Physics Observer.
Butler, C. P., A.R.C.Sc. 2nd Sen. Solar Physics Observer.
Moss, W., Junior Observer.
Bibliography [Sandars Reader.
Hobson, G. D., M.V.O.
Bio-Chemistry [Sir W. Dunn Prof.
Hopkins, Sir F. G., M.A. Trin.
Haldane, J. B. S., M.A. Trin. Sir W. Dunn Reader.
Hele, T. S., M.D. Emm. Lectr.
Roughton, F. J. W., Ph.D. Trin. Lectr.
Onslow, Hon. Mrs., M.A. Newnham Lectr.
Dixon, M., Ph.D. Emm. Demr.
Biology [Quick Prof.
Nuttall, G. H. F., Sc.D. Magd. (Dir. of Molteno Inst. of *Parasitology*)
Keilin, D., M.A. Magd. Lectr. (*Parasitology*) and Asst.
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Norrish, R. G. W., Ph.D.
Head, F. W., M.A.
Wright, G. J. H., D.S.O., M.A., *College Secretary*
Grave, W. W., B.A.

GONVILLE AND CAIUS COLLEGE. Founded 1348. Master—Sir Hugh K. Anderson, M.D., F.R.S. Fellows:

Wallis, Rt. Rev. F., M.A., D.D.
Muir, M. M. P., M.A.
Gallop, E. G., M.A.
Buckland, Prof. W. W., M.A., LL.D., F.B.A., *President*
Vesey, W. T., M.A.
Hardy, Sir W. B., M.A., F.R.S.
Gardiner, Prof. J. S., M.A., F.R.S.
Cameron, J. F., M.A.
Punnett, Prof. R. C., M.A., F.R.S.
Stratton, F. J. M., D.S.O., M.A., *Senior Tutor.*
Wood, Prof. T. B., C.B.E., M.A., F.R.S.
Brooke, Z. N., M.A.
McNair, A. D., C.B.E., M.A., LL.D.
Bullough, E., M.A.
Hunkin, J. W., O.B.E., M.A., B.D.
Scott, J. E., M.A.
Phear, H. W., M.A.
Prior, Prof. E. S., M.A., A.R.A.
Okey, Prof. T., M.A.
Fox, H. M., M.A.
Debenham, F., O.B.E., M.A.
Cook, S. A., M.A., Litt.D.
Fisher, R. A., M.A., Sc.D
Chadwick, J., Ph.D.
Bennett, E. K., M.A.
Tunnicliffe, H. E., M.A.
Needham, N. J. T. M., M.A., Ph.D.
Oakeshott, M. J., B.A.
Deas, H. T., B.A.
Florey, H. W., B.A.

JESUS COLLEGE. Founded 1496. Master—A. Gray, M.A. Fellows:

Watt, J. C., M.A.
Foakes-Jackson, F. J., M.A., D.D.
Abbott, E., M.A., *Tutor.*
Duckworth, W. L. H., M.A., M.D., Sc.D.
Duke, W. H., M.A.

Elliott, C. A., M.A., *Tutor.*
Mills, W. H., M.A., F.R.S.
Quiller-Couch, Prof. Sir Arthur T., M.A.
Nairne, Prof. A., M.A., D.D.
Manning, B. L., M.A.
Pars, L. A., M.A.
Barnes, H., M.A., LL.B.
Gardner-Smith, P., M.A.

KING'S COLLEGE. Founded 1441. Provost—A. E. Brooke, M.A., D.D. Fellows:

Hollingworth, H., M.A.
Phillpotts, S. B., M.A.
Grant-Ives, C. E., M.A.
Tilley, A. A., M.A.
Macaulay, W. H., M.A.
Berry, A., O.B.E., M.A.
Dickinson, G. L., M.A.
Richmond, H. W., M.A., F.R.S.
Wedd, N., M.A.
Walston, Sir Charles, M.A., Litt.D.
Heycock, C. T., M.A., F.R.S.
Reddaway, W. F., M.A.
Sills, H. H., M.A.
Barcroft, Prof. J., C.B.E., M.A., F.R.S.
Inglis, Prof. C. E., O.B.E., M.A.
Sorley, Prof. W. R., M.A., Litt.D., F.B.A.
Johnson, W. E., M.A., F.B.A.
Pigou, Prof. A. C., M.A.
Bury, Prof. J. B., M.A., F.B.A.
Sheppard, J. T., M.B.E., M.A.
Clapham, J. H., C.B.E., M.A., Litt.D., *Tutor.*
Keynes, J. M., C.B., M.A.
Adcock, Prof. F. E., O.B.E., M.A.
Hartridge, H., M.A., M.D., Sc.D.
Gray, J., M.A.
Birch, F. L., O.B.E., M.A.
Milner-White, E., D.S.O., M.A.
McCombie, H., D.S.O., M.A.
Turner, L. B., M.A.
Durnford, H. G. E., M.A.
Lucas, F. L., M.A.
Wollaston, A. F. R., D.S.C., M.A., B.Chir.
Mann, A. H., M.A.
Lubbock, A., M.A.
Adair, G. S., M.A.
Blackett, P. M. S., M.A.
Ord, B., Mus.B., B.A.
Scholfield, A. F., M.A.
Beves, D. H., M.A.
Braithwaite, R. B., M.A.
Ramsey, F. P., B.A.
Penrose, A. P. D., M.A.
Shove, G. F., M.A.
Stockdale, D., Ph.D., M.A.

MAGDALENE COLLEGE. Founded 1542. Master—A. B. Ramsay, M.A. Fellows:

Peskett, A. G., M.A.
Ramsey, A. S., M.A., *President and Tutor.*
Vernon Jones, V. S., M.A.
Nuttall, Prof. G. H. F., M.A., Sc.D., F.R.S.
Peel, T., M.A.
Gaselee, S., C.B.E., M.A.
Salter, F. R., M.A.
Morshead, O. F., D.S.O., M.A.
King, W. B. R., O.B.E., M.A.
Clark, F. H. H., M.A.
Richards, I. A., M.A.
Turner, F. McD. C., M.A.

PEMBROKE COLLEGE. Founded 1347. Master—W. S. Hadley, LL.D. Fellows:

Whibley, L., M.A.
Bethune-Baker, Prof. J. F., M.A., D.D., F.B.A.
Hutchinson, Prof. A., O.B.E., M.A., F.R.S.
Lawson, J. C., O.B.E., M.A., *Tutor.*
Birtwistle, G., M.A.
Comber, H. G., D.S.O., M.A.
Minns, E. H., M.A., Litt.D., F.B.A.
Pennell, V. C., M.A., M.B., B.Chir., F.R.C.S.
Spittle, J. T., O.B.E., M.A.
Attwater, A. L., M.A.
McCleland, N. P. K. J. O'N., M.A.
Wynn, H. E., M.A.

PETERHOUSE OR ST. PETER'S COLLEGE. Founded 1284. Master—Rt. Hon. Lord Chalmers, P.C., G.C.B., M.A., LL.D. Fellows:

Dickson, J. D. H., M.A.
Walker, T. A., M.A., LL.D.
Barnes, Prof. W. E., M.A., D.D.
Temperley, H. W. V., O.B.E., M.A., Litt. D.
Vellacott, P. C., D.S.O., M.A., *Tutor*
Lubbock, R., M.A.
Francis, E. C., M.A.
Gillett, C. S., M.A.
Butterfield, H., M.A.
Hallward, B. L., M.A.

QUEENS' COLLEGE. Founded 1448. President—T. C. Fitzpatrick, D.D.
Fellows:

Gray, J. H., M.A.
Kennett, Prof. R. H., M.A., D.D.
Munro, A., M.A.
Wood, C. T., M.A., B.D.
Cook, A. B., M.A., Litt.D.
Laffan, R. G. D., M.A.
Sleeman, C. M., M.A., *Tutor.*
Browne, A. D., M.A.
Potts, L. J., M.A.

ST. CATHARINE'S COLLEGE. Founded 1473. Master—..... Fellows:

Carr, E. T. S., M.A.
Rushmore, F. M., M.A., *Tutor.*
Jones, W. H. S., M.A., Litt.D.
Biffen, Prof. Sir Rowland H., M.A., F.R.S.
Chaytor, H. J., M.A.
Newman, L. F., M.A.
Portway, D., M.A.
Withers, J. J., C.B.E., M.A., M.P.
Steers, J. A., M.A.
Henn, T. R., B.A.

ST. JOHN'S COLLEGE. Founded 1511. Master—Sir Robert F. Scott, M.A.
Fellows:

Stevens, A. J., M.A.
Heitland, W. E., M.A.
Webb, R. R., M.A.
MacAlister, Sir Donald, Bart., K.C.B., M.A., M.D.
Larmor, Prof. Sir Joseph, M.A., Hon. Sc.D., F.R.S.
Marr, Prof. J. E., M.A., Sc.D., F.R.S.
Harker, A., M.A., F.R.S.
Tanner, J. R., M.A., Litt.D.
Baker, Prof. H. F., M.A., Sc.D., F.R.S.
Shore, L. E., O.B.E., M.A., M.D.
Sikes, E. E., M.A., *President.*
Blackman, F. F., M.A., F.R.S.
Glover, T. R., M.A.
Ward, J. T., M.A.
Foxwell, H. S., M.A., F.B.A.
Benians, E. A., M.A., *Tutor.*
Rapson, Prof. E. J., M.A.
Cunningham, E., M.A.
Jeffreys, H., M.A., F.R.S.
Rootham, C. B., M.A., Mus.D.
Palmer, W. G., M.A.
Bartlett, F. C., M.A.
Creed, Prof. J. M., M.A., B.D.
Coulton, G. Gordon, M.A.
Lees, S., M.A.
Prior, Prof. O. H. P., M.A.
Engledow, F. L., M.A.
White, F. P., M.A.
Wilson, Prof. J. T., M.A., F.R.S.
Briggs, G. E., M.A.
Wordie, J. M., M.A., *Tutor.*
Winfield, P. H., LL.M., LL.D.
Yule, G. U., C.B.E., M.A., F.R.S.
Charlesworth, M. P., M.A., *Tutor.*
Howard, Sir H. F., C.S.I., K.C.I.E., M.A.
Raven, E. E., M.A.
Arundell, D. D., M.A.
Evans, I. L., M.A.
Newman, M. H. A., M.A.
Hartree, D. R., M.A.
Watkins, A. E., M.A.
Rolleston, Prof. Sir Humphrey D., Bart., K.C.B., M.A., M.D.
Previté-Orton, C. W., M.A.
Dymond, E. G., B.A.
Constable, F. H., B.A., Ph.D.
Room, T. G., B.A.
Sinclair, T. A.
Guillebaud, C. W., M.A., *Tutor.*

SIDNEY SUSSEX COLLEGE. Founded 1596. Master—G. A. Weekes, M.A.
Fellows:

Robson, H. C., M.A.
Mayall, R. H. D., M.A.
McNeile, A. H., M.A., D.D.
Pope, Prof. Sir William J., K.B.E., M.A., F.R.S.
Knox-Shaw, T., M.A., *Tutor.*

Hackforth, R., M.A.
Wilson, Prof. C. T. R., M.A., F.R.S.
Smith, B. T. D., M.A.
Passant, E. J., M.A.
Davenport, A. H., M.A.
Green, H. L. H. H., M.A. (Research Fellow).

TRINITY COLLEGE. Founded 1546. Master—Sir Joseph J. Thomson, O.M., Hon. Sc.D., F.R.S. (Prof. of Physics). Fellows:

Taylor, H. M., M.A., F.R.S.
Glaisher, J. W. L., M.A., Sc.D., F.R.S.
Kirkpatrick, Very Rev. A. F., M.A., D.D.
Boughey, A. H. F., M.A.
Hicks, R. D., M.A.
Glazebrook, Sir Richard T., K.C.B., M.A., F.R.S.
Frazer, Sir James G., O.M., M.A., Litt.D., F.B.A., F.R.S.
Parry, R. St. J., M.A., D.D.
Herman, R. A., M.A.
Duff, J. D., M.A.
Whitehead, A. N., M.A., Sc.D., F.R.S.
Bevan, Prof. A. A., M.A., F.B.A.
Whetham, W. C. D., M.A., F.R.S.
Capstick, J. W., O.B.E., M.A.
Innes, H. McL., M.A.
Fletcher, Sir Walter M., K.B.E., M.A., M.D., Sc.D., F.R.S.
Cornford, F. M., M.A.
Harrison, E., M.A.
Laurence, R. V., C.V.O., M.A., *Tutor*.
Lapsley, G. T., Hon. M.A., M.A., *Tutor*.
Winstanley, D. A., M.A., *Tutor*.
Dykes, F. J., M.A., *Tutor*.
Eddington, Prof. A. S., M.A., F.R.S.
Littlewood, J. E., M.A., F.R.S.
Newall, Prof. H. F., M.A., F.R.S.
Hollond, H. A., D.S.O., O.B.E., M.A., LL.M.
Robertson, D. S., M.A.
Hopkins, Prof. Sir F. Gowland, M.A., F.R.S.
Housman, Prof. A. E., M.A.
Simpson, F. A., M.A.
Tennant, F. R., M.A., D.D.
Butler, J. R. M., M.V.O., O.B.E., M.A.
Adrian, E. D., M.A., M.D., F.R.S.
Fowler, R. H., M.A., F.R.S.
Robertson, D. H., M.A.
Burnaby, J., M.A.
Stewart, H. F., M.A., D.D.
Rutherford, Prof. Sir E., O.M., M.A., F.R.S.
Taylor, G. I., M.A., F.R.S.
Nicholas, T. C., O.B.E., M.A.
Pollard, S., M.A.
Aston, F. W., Sc.D., F.R.S.
Lenox-Conyngham, Sir Gerald P., M.A., F.R.S.
Henry, D. C., M.A.
Ellis, C. D., Ph.D.
Pearson, Prof. A. C., Litt.D.
Struckmeyer, O. K., M.A.
Burkill, J. C., M.A.
Ingham, A. E., M.A.
Kitson-Clark, G. S. R., M.A.
Broad, C. D., M.A., Litt.D.
de Navarro, J. M., M.A.
Roughton, F. J. W., M.A., Ph.D.
Dean, W. R., M.A.
Salt, H. E., LL.B., M.A.
Cherry, T. MacF., Ph.D.
Neill, S. C., M.A.
Quastel, J. H., Ph.D.
Moore, Prof. G. E., M.A., Litt.D., F.B.A.
Gow, A. S. F., M.A.
Southwell, R. V., M.A., F.R.S.
Duff, P. W., M.A.
Chadwick, J. A., B.A.
Evennett, H. O., B.A.
Kapitza, P., Ph.D.
Burkitt, Prof. F. C., D.D., F.B.A.
Higgins, Prof. A. P., C.B.E., LL.D., K.C.
Nicholson, Prof. R. A., Litt.D., F.B.A.
Rattenbury, R. M., B.A.
Thomas, L. H., B.A.

TRINITY HALL. Founded 1350. Master—H. Bond, LL.D. Fellows:

Angus, C. F., M.A.
Potts, F. A., M.A.
Chase, G. A., M.A., *Tutor*.
Hayes, R. A., M.A.
Campbell, The Hon. Ian Malcolm, D.S.O., M.A.

Oliver, D. T., LL.M.
Rideal, E. K., M.B.E., M.A.
Rendell, W. R., M.A.
Dean, Prof. H. R., M.D.
Crawley, C. W., M.A.
Turner, J. W. C., M.A.

SELWYN COLLEGE PUBLIC HOSTEL. Founded 1882. Master—J. O. F. Murray, D.D. Fellows:

Knott, H. C., M.A.
Jordan, W. E., M.A., *Vice-Master and Tutor.*
Borradaile, L. A., M.A., Sc.D., *Tutor.*
Williams, W. N., M.A., LL.B.
Marsh, F. S., M.A., *Tutor.*
Perrett, G. B., M.A.
Peacey, J. R., M.A.
Durrant, P. J., M.A.

NON-COLLEGIATE STUDENTS: FITZWILLIAM HOUSE. Established 1869. Censor—Thatcher, W. S., M.A.: Asst. Censor, Bursar and Chaplain—W. Harvey, M.A.

Supervisors of Studies. *Agriculture*: S. W. U. Muncey, M.A. *Botany*: [vacant]. *Chemistry*: P. J. Durrant, M.A. *Classics*: B. F. C. Atkinson, M.A., Ph.D. *Economics*: J. L. Cohen, M.A. *English*: B. Willey, M.A. *Geography*: C. G. Joseph, M.A. *Geology*: W. B. R. King, O.B.E., M.A. *History*: C. J. B. Gaskoin, M.A. *Law*: C. H. Ziegler, M.A. *Mathematics*: J. J. Welsh, M.A. *Mechanical Sciences*: R. A. Hayes, M.A. *Medical Studies*: H. W. C. Vines, M.D. *Mediæval and Modern Languages*: A. J. Wyatt, M.A.; A. P. Goudy, M.A.; J. W. Barker, Ph.D.; W. F. Reddaway, M.A. *Moral Sciences*: C. Fox, M.A. *Music*: [vacant]. *Physics*: G. Stead, M.A. *Theology*: Supervision will be arranged after interview. *Zoology*: J. Gray, M.A., M.C.

WOMEN'S COLLEGES recognized by the University:

GIRTON COLLEGE. Founded 1869. Mistress—Miss E. H. Major, M.A.

Directors of Studies: F. E. Cave-Browne-Cave, M.A. (Mathematics); J. R. Bacon, M.A. (Classics); E. M. M. Whetnall (Moral Sc.); M. B. Thomas, M.A. (Natural Sc.); M. G. Jones, M.A. (Hist. and Law); K. T. Butler (Mod. and Med. Languages); M. Tappan, Ph.D. Columbia (Econs.); H. M. R. Murray, M.A. Ox. (English and Philology), Vice-Mistress; Resident Lectrs. in Maths., Mrs. Veitch, M.A.; in History, Miss H. M. Cam, M.A. Lond.; in French (Asst.), Mlle. Bibas, M.A.; in Mod. Langs., Miss Gill-Mark.

Bursar—Miss E. M. Allen, M.A. Secy.—Miss M. Clover, M.A. Junior Bursar—Miss P. K. Leveson, M.A. Dub. Librarian and Registrar of the Roll—Miss E. S. Fegan, M.A. Secretary to the Mistress—Miss F. M. Smith, M.A.

NEWNHAM COLLEGE. Founded 1871. Principal—Miss J. P. Strachey, M.A.

Tutors—Miss A. B. Dale (Old Hall); Mrs. Palmer (Peile Hall); Miss M. Steele Smith (Clough Hall), Director of Studies in English; Miss E. M. Chrystal, M.A. Edin. (Sidgwick Hall).

Other Lectrs.: L. M. Swain, M. D. Kennedy (Maths.); H. Richardson (Classics); G. L. Elles, D.Sc. Dub. (Geol.); G. I. Mackenzie, M.A. Edin. (Physics); A. M. Cooke, M.A. Manc. (Hist.); E. M. Butler (Mod. Langs.); Anna C. Paues, B.A. Dub., Ph.D. Upsala (English); E. M. Whetnall, M.A. Lond. (Moral Sc.); M. Tappan, Ph.D. Columbia (Econ.). Bursar—Mrs. Lacy. Registrar of the Roll—Miss E. M. Sharpley.

GENERAL INFORMATION

CONSTITUTION — COLLEGES — MATRICULATION — ADVANCED STANDING, AFFILIATION—INCORPORATION—INDIAN STUDENTS—TERMS—DEGREES—

ARTS—DIVINITY—LAW—MEDICINE—MUSIC—SC.D., LITT.D.—DIPLOMAS —TRAINING FOR CIVIL SERVICES—MILITARY INSTRUCTION—TRAINING OF TEACHERS—TRAINING FOR HOLY ORDERS—RESEARCH STUDENTS— SCHOLARSHIPS — EXPENSES — APPOINTMENTS — WOMEN — LIBRARY — MUSEUMS, ETC.—OBSERVATORY—LOCAL EXAMINATIONS—UNIVERSITY EXTENSION—PUBLICATIONS.

The legislative and executive authority of the Univ. is vested in the REGENT HOUSE, which comprises those Univ. Officers, Fellows of Colls., and others, who are concerned with its teaching and administrative work. A meeting of the Regent House is called a *Congregation*.

There is a right of appeal against a decision of the Regent House, on the motion of at least one-third of its members, to the SENATE, which consists of graduates of at least seven years' standing from their first term of residence, who have taken a degree of Doctor or Master, or the degree of Bachelor of Divinity. In order to be successful an appeal must be sustained by a statutably prescribed majority. The Senate elects the Chancellor and certain other officers, confers degrees, and holds meetings for the discussion of proposals.

Changes of statute can be made by the Univ. with the approval of the Privy Council, and Parliament.

Many executive duties, and the duty of sanctioning the submission of resolutions (called *Graces*) to a Congregation, 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 finance of all spending departments.

There are twenty Faculties, a Faculty being a body of teachers in 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. The large scientific Faculties are divided into Departments, under a Head, generally a Professor, who is responsible to the Faculty Board for the management of his Department.

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 Univ. TEACHING OFFICERS are the Professors, Readers, Lecturers, and Demonstrators. They, as well as the administrative officers, are required to join in the Federated Superannuation Scheme for Univs. and to retire at the age of 65.

The COLLEGES are self-governing corporate bodies distinct from the Univ., owning and managing their separate property, the corporators being the

Head and Fellows. 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 for them, 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, indeed the Statutes require that a certain proportion of the Fellowships of each Coll. shall be held by Univ. officers. And 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 wealth of the College.

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, as at Oxford, 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 may, 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.

WOMEN STUDENTS. Subject to the condition that the joint number of women students receiving instruction in the Univ. shall not exceed five hundred, the students of the women's Colls. (Girton and Newnham) are admitted to instruction and examinations in the Univ. and to the titles of degrees. Women titular graduates aged 30, share with men graduates, under the Representation of the People Act, 1918, the privilege of voting for the election of the two Burgesses, who represent the Univ. in the House of Commons. Women are eligible for most Univ. offices and for membership of Faculties and Faculty Boards, but cannot become members of the Senate or Regent House. From 1872 women were informally admitted to Tripos examns. in the Univ., and from 1881 have been formally admitted to the *Previous* examn., the Tripos examns., and certain examns. in Med. and Music. They were subsequently admitted to the courses and examns. for the Diplomas in Agric., Horticulture, Forestry, and Geog., and for the Training of Teachers, and were made eligible for Certifs. of Research. Finally in Oct. 1921 a Grace admitting them to titular degrees was passed.

ADMISSION. To become an undergraduate member of the Univ. a person must first be admitted either as a member of a College or as a Non-Collegiate Student. No person except Research Students (see p. 62) and certain others may be matriculated who has not passed or been exempted from the "Previous" examn. (see Appendix XXI.).

For admission to a College or as a Non-Collegiate student application should be made to the proper officer: the Tutor for Admissions, Christ's; the Senior Tutor, Gonville and Caius, St. John's; the Tutor, Clare, Cath., Corp., Down., Magd., Pet., Trin. H.; one of the Tutors, Trin.; the Provost or Tutor, King's; the President, Queens'; the Bursar, Selwyn; the Master, Emm., Jesus, Pem., Sid.; the Censor, Fitzwilliam House (Non-Coll. students). It is advisable to apply some considerable time beforehand; and if the applicant has any special preference in the matter of lodgings, *e.g.* for cheap rooms, to begin correspondence at least 12 months beforehand.

As regards *Colonial and Foreign students*, see Appendix XXIII.

ADMISSION TO ADVANCED STANDING. I. A graduate with First Class Honours (or equivalent record) * or—provided that he passed, † when qualifying for his degree, in English, 2 other languages, one of which is either Latin or Greek, and Maths., or, if the student is a native of Asia or Africa and not of European descent, in English, in Maths., and in one of: Arabic, Persian-with-Arabic, Chinese, Sanskrit, or Pali—with Second Class Honours (or equivalent record) ‡ of an approved university ‖ at which he has attended classes not less than 3 years, will be accepted as an *Affiliated Student*, and will then be 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 all provisions respecting the standing of candidates for (*a*) Tripos examns., or for degrees in Law, Med., Surgery, or Music, and (*b*) Degrees other than the ordinary B.A. Degree or Degrees conferred under the regns. for Research Students; (3) secure such a degree in certain circumstances on one part or section of a divided Tripos.

II. Students at an *Affiliated Local Lectures Centre* (at present Exeter, Leicester, Southport, Hull, Newcastle-upon-Tyne, Derby, Sunderland, Scarborough, Plymouth, Stonehouse, Devonport, Norwich, Colchester, Northampton, Portsmouth) will be admitted to Nos. (2) and (3) of the above privileges provided that they have (*a*) attended a series of courses of lectures and classes for 6 terms, extending over such period of years as may be approved by the Syndicate, in one of the following groups: A, Natural, Physical, and Math. Science; B, History, Pol. Econ., Mental Science, Literature, Art; (*b*) attended in each of 2 terms a course of lectures in the other of the groups A, B; (*c*) satisfied the examiners in the examn. held after each course of lectures.

INCORPORATION. Students who before admission as members of this Univ. have kept terms by *bona fide* residence at Ox. or Dub. are, subject to certain provisos, allowed terms corresponding to those which they have so kept; a graduate of Ox. or Dub. who took a degree or degrees after having duly qualified himself therefor not only by having passed the examns., etc., required, but by having kept his terms by residence in his own Univ., may be admitted on certain conditions to the same degree or degrees in Camb.

INTERCOLLEGIATE INDIAN STUDENTS COMMITTEE: Secy., W. S. Thatcher, M.A., 22 Fitzwilliam St.

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 $2\frac{1}{2}$ miles' radius from Gt. St. Mary's Church) during three-fourths of the term. Full terms begin: Jan. 14, Apr. 20, Oct. 7, 1927; Jan. 13, Apr. 20, Oct. 9, 1928; end—Mar. 14, June 11, Dec. 5, 1927; Mar. 13, June 11, Dec. 7, 1928.

DEGREES. B.A., M.A., M.Litt., Litt.D., M.Sc., Sc.D.; B.D., D.D.; LL.B., LL.M., LL.D.; M.B. and B.Chir., M.Chir., M.D.; Mus.B., Mus.M., Mus.D.; Ph.D.

ARTS. The qualifications for the B.A. are: (i.) 9 terms' residence; (ii.) passing or being exempted from the *Previous* examn.; (iii.) passing the examns. for the ordinary degree or a Tripos examn. or examns.

* In U.S.A., generally speaking, graduation in the first sixth of his class with evidence of exceptional ability in some subject.

† A pass before matriculation in the corresponding Part of the Previous Examn. in any of these subjects will be accepted in lieu of passing when qualifying for the degree.

‡ In U.S.A., generally speaking, graduation in the first half of his class.

‖ V. list in Appendix XXIII.

Exemption from (i.) to the extent of 3 terms can be obtained by students entitled to the privileges of *affiliation* (v. *supra*).

(ii.) The *Previous* examn. includes Latin or Greek, one other language, Maths., and English. Subject to certain provisos, natives of Asia or Africa who are not of European parentage may substitute papers in Arabic, Chinese, Sansk., or Pali for the Latin papers. For details, see Appendix XXI.

Exemption from (ii.) can be obtained by students who hold certain certifs. granted by various Univs. of the U.K., by the Scotch Education Dept., or by the Ministry of Education, Northern Ireland, or by certain Australasian, S. African, American, and European authorities (v. App. XXIII.); such exemption is also granted to students entitled to the privileges of affiliation.

As regards (iii.), the ordinary B.A. is obtained by qualifying in 5 subjects of which 3 at least must be "principal" and 1 at least must be chosen from each of 2 groups. The principal subjects are—in Group I.: Bible, Church Hist., Engl., Gk., Lat., Fr., Ital., Span., Ger., Rus., Geog., Hist. I., Hist. II., Econ. I., Econ. II., Moral Philos., Psych., Law I., Law II., Educn., Music, Mily. Subjects I., History of Art; in Group II.: Maths., Physics, Chem., Applied Chem., Metal., Bot., Zool., Physiol., Geol., Geog., Engin. I., Engin. II., Mily. Subjects II. There are 4 subsidiary subjects in each group.

Students of *Agriculture* and allied subjects may proceed to the ordinary B.A. by means of certain courses dealing with their scientific and practical sides, and including also prescribed literary training.

The Honours B.A. is obtained by passing in one or more of the following Triposes: Anthropological, Classical, Economics, English, Geog., Hist., Law, Maths., Mech. Sciences, Mod. and Med. Langs., Mor. Sc., Nat. Sc., Oriental Langs., Theol.

A Bachelor may be admitted Master of Arts at the end of six years from the end of his 1st term, provided that not less than 2 yrs. have elapsed from his admission as B.A.

DIVINITY. A M.A. or LL.M. proceeds to the B.D. on or after the 11th of June in the 7th year from his *creation*, either (1) by submitting an original dissertation composed by himself in Latin or English on some subject connected with Biblical Criticism, Exegesis, or History, or with the Evidences of Christianity, or with Dogmatic Theology, or with the study of other Religions in relation to the Christian Religion, or with Ecclesiastical History, Literature, or Antiquities, or with the Philosophy of Religion, or (2) by specifying his published works on one or more of these subjects. He is required to satisfy the Degree Committee, either by his Dissertation, etc., or otherwise, that he possesses a competent knowledge of Christian Theology. A B.D. of 5 yrs.' standing proceeds to the D.D. by submitting published works or a printed dissertation on the same subjects as those for the B.D.

LAW. A student who has kept 9 terms and obtained Honours in both parts of the Law Tripos, or Honours in some other Tripos and subsequently Honours in either part of the Law Tripos, is entitled to proceed to the degree of B.A. To qualify for the LL.B. it is necessary to pass the LL.B. examn. after having kept 9 terms and obtained honours in Pt. I. or Pt. II. of the Law Tripos, or passed in either Part at the Honours standard, 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. A LL.B. may, not less than 6 years after the end of his 1st term, ask leave to submit a dissertation on some branch of Law or of the History or Philosophy of Law, and, if such dissertation is approved, he incepts in Law and in due course becomes LL.M. A LL.M. (as well as holders of certain other degrees) 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. (v. *supra*); (iii.) 5 yrs.' Medical study; (iv.) passing in due order 3 examns. and presenting an approved thesis. Admission to the 2nd M.B. examn. is conditional on proof of diligent attendance on prescribed courses of lectures and practical work. Admission to the 3rd M.B. is conditional on proof of 3 yrs. of hospl. practice, 5 yrs.' Medical study, and diligent attendance on prescribed courses of instruction and practical work. A M.B. in the 9th term after *inauguration* (v. *supra*) and a M.A. in the 12th after *creation* may be admitted M.D. on submission of a thesis or dissertation, but the M.A. must have attended lectures and hospl. practice and passed examns. as required for the M.B. A B.Chir. after 3 yrs. from inauguration may be admitted Inceptor in Surgery and so by creation to the M.Chir. degree. A M.A. may be admitted also if legally qualified to practise Surgery. A candidate for the M.Chir. must either pass the examn. for the degree or be exempted therefrom in consideration of a contribution to the advancement of the Science or Art of Surgery. Addenbrooke's Hospl., containing 192 beds and large out-patient depts., is available for clinics. Overseas examns. exempting from the 1st M.B.: 1st examn. for B.Sc. in Agr. of Univ. of S. Africa (subject for subject); 1st examn. for medical degrees in Univ. of Adel., Melb., or Syd., or 1st examn. in Science in Physics, Chem., and Biol. in Univ. of Queensland, W. Aust., or Tasm.

MUSIC. The qualifications for the Mus.B. include (i.) 9 terms' residence; (ii.) passing (or exemption from) the *Previous* examn.; (iii.) passing an examn. in two parts whereof the first may not be taken before the 2nd term, nor the 2nd before the 8th term. The Mus.M. may be taken after at least 3 yrs. have elapsed since *inauguration* (v. *supra*) as Mus.B. and after passing the prescribed examn.

Persons not less than thirty years of age who have graduated in some Faculty of the Univ. and given proofs of distinction in musical composition may be candidates for the Mus.D.

The Sc.D. and LITT.D. Any person may be a candidate for either degree who is a M.A., LL.M., or M.Ch. of not less than 5 yrs.' standing or a M.B. of not less than 7. These degrees are granted in consideration of original contributions to the advancement of Science or Learning.

DIPLOMAS. In addition to degrees, which are for the most part conferred only on its own members, the Univ. grants 6 Diplomas which are open to other persons—in Geog., in Psych. Med., in Pub. Health, in Med. Radiology and Electrology, in Hygiene, in Tropical Med. and Hygiene; and 7 which are almost entirely restricted to members of the Univ.—Agric. Sc., Anthrop., Class. Archæol., Education, Forestry, Horticult. Sc., and Oriental Languages, the diplomas in Anthrop. and Orient. Langs. being open to non-members in certain exceptional circumstances only. Among overseas Mental Hospitals recognized for clinical work for the Dip. Psych. Med. are the Pretoria and the Gladesville (Sydney). *Certificates*, open to members of the Univ. only, are conferred in Architecture (open to graduates only) and in certain foreign languages. A *Divinity Testimonium* is granted on proof of diligent attendance at 6 courses of lectures.

The *Joint Coal-mining Diploma* of the Univs. of Cambridge and Birmingham enables Cambridge graduates in Engineering to shorten by one year the period of training at Birmingham otherwise required. It is approved by the Board of Trade.

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.

The Diploma in Hygiene, established in 1921 in response to a communication from the League of Red Cross Societies at Geneva, is intended for *foreigners* who possess a qualification to practise medicine or surgery which, though not registrable in Great Britain, is recognized by the authorities of their own countries. The full course must extend over 9 months. The requirements are similar to those demanded for the English D.P.H. except that no detailed knowledge of English public health laws is required.

The Univ. makes provision for training candidates for the Higher CIVIL SERVICES; Probationary Vice-Consuls; Indian Civil Service selected candidates; candidates for administrative appointments in Tropical Africa and other branches of the Civil Service and candidates for service under the Govt. of the Sudan. To meet the wants of Civil Service candidates a series of lectures supplementary to the courses for regular Tripos candidates has been arranged by the Board of I.C.S. Studies, and by a Committee of Associated Colls. Detailed information may be obtained from the Director of Civil Service Studies, appointed by this Committee (C. J. B. Gaskoin, M.A., Fitzwilliam House), and from H. A. Roberts, M.A., Univ. Offices, St. Andrew's St., who is Secy. to the Board of I.C.S. Studies, Foreign Service Students' Committee, and Appointments Board.

CAMBRIDGE TRAINING COLLEGE FOR WOMEN (POST-GRADUATION). Principal —Miss M. H. Wood, M.A. Camb. and Lond., Litt.D. Dublin.

A system of MILITARY INSTRUCTION has also been organized by the Univ. The Board of Milit. Studies (Secy.—Hon. I. M. Campbell, D.S.O., Trin. H.) are in direct communication with the War Office and responsible for the nomination of Camb. Univ. candidates for Regular commissions in H.M. Forces. See Appendix I.

The TRAINING OF TEACHERS is under the management of the Teachers Training *Syndicate*, established in 1878 (Secy.—F. E. E. Harvey, M.A.; address—Warkworth House).

Examns. for the Univ.'s *Certificate of Proficiency*, held in June and Dec., are open to students of certain colleges, and to teachers who have had at least a year's experience in an approved Secondary School, if their attainments are satisfactory.

Students of the *University Training College* (Principal—C. Fox, M.A. Chr.; address—Warkworth House) devote their first 3 yrs. to reading for the B.A. degree, the 4th to professional training. Several scholarships and exhibitions are offered to intending schoolmasters who have been Bursars, Student Teachers, or Pupil Teachers.

There is also a Post-graduation Training Coll. for Women. Principal—Miss M. H. Wood, M.A. Lond., Litt.D. Dub., Girton; address—Wollaston Rd.

Cambridge graduates are trained for HOLY ORDERS at Ridley Hall, founded in 1879 (Principal—Rev. Canon A. J. Tait, D.D. Joh.); or at the Clergy Training School, Westcott House, founded in 1881 (Principal—Rev. Canon B. K. Cunningham, O.B.E., M.A. Trin.) under a scheme controlled by a Council composed of members of the Church of England. Other theological colleges recognized by the Univ. as Houses of Residence for students: the Westminster Coll., founded 1844 (Principal—J. Oman, M.A. Qu., D.Phil., and D.D. Edin., Presbyterian); Cheshunt Coll., founded 1768 (President—Sydney Cave, D.D. Lond., mainly Congregational); St. Edmund's House, founded in 1896

(Principal—Rev. J. F. McNulty, M.A., Roman Catholic) and Wesley House, founded 1924 (Principal—H. Maldwyn Hughes, M.A. Jes., D.D. Lond.). Cheshunt and Westminster Colleges were moved from Cheshunt and London in 1905 and 1899 respectively.

RESEARCH STUDENTS. Each application for admission must be accompanied by (i.) a diploma or other certif. of graduation at a Univ.; (ii.) a statement as to the course of research which the applicant desires to pursue, together with evidence of qualification, attainments, and previous study; (iii.) a certif. or declaration of the applicant's age at the date of application. In exceptional cases requirement No. (i.) may be dispensed with. The application is not granted unless it appears (*a*) that 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.

Asst. Registrary for Research Studies: R. E. Priestley, M.A. Clare.

A Research student pursues his course under direction and supervision, prescribed by the Degree Committee of the Board of Studies 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 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 research students, the M.Sc. or M.Litt. may be obtained. For the Ph.D. (v. p. 18) 3 yrs. are ordinarily required, including two years spent in Cambridge Univ. One year of the 3-years' course may be remitted if the applicant satisfies the Board of Research Studies that he or she has done at least a year's satisfactory research work before admission to Cambridge Univ.

UNIVERSITY SCHOLARSHIPS open to graduates number about 57, and are worth about £5600 p.a. In almost every instance they are open only to persons who have graduated in or are members of this Univ., and in some cases only to those who have kept a certain number of terms. For details see *Students' Handbook* (price 7s. 6d., Univ. Press), which also gives details of *Entrance* Scholarships.

EXPENSES. See p. 223.

APPOINTMENTS. (1) The University Appointments Board is concerned with appointments of all kinds (Secy.—H. A. Roberts, M.A., Univ. Offices; Educational Secy.—R. S. Goodchild, M.A.); (2) the Scholastic Agency is concerned with educational appointments (Director—E. O. Vulliamy, M.A.; office at 8 Bene't Street, Cambridge).

The UNIVERSITY LIBRARY contains over 1,000,000 vols., including many early printed books, and over 10,000 MSS. and 165,000 maps. It is entitled under the Copyright Act to a copy of every book published in the U.K., 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 £18,000.

Each College and Hostel has a library. Some are interesting survivals of mediæval rooms kept in the state in which they were originally arranged. 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. collected by

Wm. Moore, 1653–59, 60 *incunabula*, heraldic collections of Dr. John Knight (17th cent.), 1300 books and controversial pamphlets of Dr. Wm. Branthwaite (d. 1619), Norfolk and Suffolk topographical and genealogical works; in Girton College small collections of Oriental books, chiefly Sanskrit (Cowell) and Hebrew (Frere—printed catalogue), and Botany books and pamphlets (Ethel Sargant).

In the Arts School in Bene't Street are the Seeley Memorial (works on History and Comparative Politics originally collected by Prof. John Symonds, 1771 to 1807, and added to by his successors), the Bendall (Sanskrit, etc.), and English, Modern Languages and Moral Sciences departmental libraries. The Balfour library in Downing Place contains a large collection of books and periodicals on biological subjects. Here also is the Marshall Library of Economics. Other important departmental collections are in the Museum of Classical Archæology, the Squire Law Library, the Selwyn Divinity School, and the schools of the Natural Sciences. There is a collection of music in the rooms of the Cambridge Musical Society (Downing St.). The Library of the Philosophical Society maintains a special relation to all the Scientific Depts., and is very rich in sets of Journals and Scientific Transactions.

MUSEUMS of Art and Archæology. The Fitzwilliam (Director and Marlay Curator—S. C. Cockerell, M.A.) 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 Class. Archæol. (Curator—A. B. Cook, M.A. Qu.) contains a collection of casts illustrating the history of Greek sculpture.

The Museum of Ethnol. and Archæol. (Curator—L. C. G. Clarke, M.A. Trin. H.) has a large and increasing collection, including Saxon urns and ornaments, casts of Central American monuments, Egyptian stone implements, unique Fijian collection, and numerous others resulting from scientific expeditions by Cambridge men.

The "Museums of Science" include museums, laboratories, lecture-rooms, class-rooms, and workshops for Agric., Bio-Chem., Bot., Chem., Engin. (including Engine-room, Elasticity, Elec., and Hydraulic Labs., and drawing office), Exper. Physics, Hum. Anat., Ethnol., Forestry, Medicine, Mineralogy (collection very largely increased in recent years and one of the best in the country), Physiol., Psychol., Zool. and Comp. Anat. The Zool. Lab., in addition to providing for the ordinary work of the Dept. and for research, affords peculiar facilities for the study of diseases of animals and of economic entomology. The Museum of Zool. includes very complete series of vertebrates and invertebrates, the fishes obtained by Charles Darwin during the voyage of H.M.S. *Beagle*, a series of invertebrata from Naples, valuable collection of Polyzoa, extensive collection of marine animals from Pacific and Indian Oceans, and an important collection illustrating heredity, protective resemblance, and mimicry [Supt.—C. F. Cooper, M.A. Trin.; Strickland Curator (Birds)—H. Gadow, M.A., F.R.S. (King's); Curator in Entom.—H. Scott, Sc.D. Trin.]. The Sedgwick Museum of Geol. includes a fine collection of British and foreign building stones lately added to the Economic section.

In addition to the laboratories of the School of Agric. there are Field Labs. covering about 10 acres, provided by means of Govt. grants for an Institute for Research in *Animal Nutrition*; also a Univ. Farm (Director—A. Amos, M.A. Down.) of 200 acres and *Plant-breeding* Farm of 230 acres. The *Botanic Garden* (Director—H. Gilbert-Carter, M.A. Trin.) has excellent facilities for study. The Molteno Institute for research in *Parasitology*, and a *Low Temperature* Station for research in *Bio-Chemistry* and *Bio-Physics* were established in 1921.

A *Horticultural* Research Station was established in 1924 in co-operation with the Ministry of Agriculture.

A *Polar Research* Institute was founded in 1925 with the help of a grant from the Capt. Scott Memorial Trustees.

A SCHOOL OF PATHOLOGY was endowed by the Rockefeller Foundation (£133,000) and Ernest Gates (£33,000) in 1924.

The OBSERVATORY (Director—Plumian Prof. of Astr.), about a mile from Cambridge, has a meridian circle of 8¼ in. aperture; the Northumberland equatorial 12 in. aperture; the Sheepshanks photographic equatorial 12¼ in.; a number of smaller instruments, and a good library. The Solar Physics Observatory standing close to the older Obs. has the Newall telescope (25 in.), McClean cœlostat and spectrograph, Huggins telescopes, etc. The Univ. has taken over charge (for the Govt.) of the Solar Physics Obs. formerly at South Kensington, receiving a grant-in-aid.

The CAMBRIDGE LOCAL EXAMINATIONS, instituted in 1858, are conducted at various places throughout the country and overseas. Copies of the Regns. regarding the Junr. Local and School and Higher School Certificate examns. and the examns. (designed for teachers of not less than 20 yrs. of age) for Certifs. of Proficiency in Religious Knowledge and in English, may be obtained from the Secy., Local Examns. Syndicate, Syndicate Buildings.

UNIVERSITY EXTENSION Lectures are delivered and classes in connexion with them held by a staff of about 40 itinerant lecturers in various towns in different parts of England, including places so distant as Southport, Newcastle, Gt. Yarmouth, and Exeter, under a system initiated in Cambridge in 1873. The characteristic features of the method of teaching adopted are (i.) the Lecture presenting the subject in broad outline, (ii.) the Class, held for about an hour before or after the lecture, at which questions are given out by the lectr., (iii.) the essays written on these questions, and (iv.) the examination. The grades of certificates are: *Terminal*, awarded after a course of ordinarily 12 lectures; Terminal Certificate in Honours implying distinction; *Sessional*, for courses extending over not more than 2 yrs. and including at least 22 lectures; the *Vice-Chancellor's*, awarded to students who obtain Terminal or Sessional certifs. satisfying certain conditions and submit a satisfactory essay; and *Affiliation* certif., obtainable only at affiliated centres (Exeter, Leicester, and Southport) under special conditions. A *Travelling Library* is provided for each course. The work is under the management of the BOARD OF EXTRA-MURAL STUDIES, on which there are, in addition to members of the Senate, representatives of the Local Centres Union and the Workers' Educational Assocn. Full particulars can be obtained from the Secy., Stuart House, Syndicate Buildings (Rev. D. H. S. Cranage, Litt.D.).

TUTORIAL CLASSES are arranged in connexion with the Workers' Educational Assocn. They are managed by a Committee appointed by the Board of Extra-mural Studies, including all the members of the Board nominated by the W.E.A.

PUBLICATIONS. The *Camb. Univ. Reporter*, weekly during term, 3d. a copy, terminal subs. 2s. 6d., or by post 4s. 6d.; *Ordinances*, 1923 (fresh editions every 3 or 4 yrs., *Supplementary Ordinances*, 1925, 2s. 6d.), 15s.; *The Students' Handbook*, annually in July, 7s. 6d.; *Facilities for Graduate Study and Research*, 1926; *Compendium of Univ. Regns.*, 9d.; *The Statutes of the Univ., with some Acts of Parlt.*, 10s.; *Endowments of the Univ.*, 1904, 10s. 6d.; *Alumni Cantabrigienses*, Ed. J. and J. A. Venn (to the year 1751, four volumes); *Matricns. and Degrees* (a list of all those who have entered the Univ.; 1544–1659, 1850–1900, 1901–1912); the *Calendar*, annually (Oct.), 15s.; the *Historical Register*,

20s.; *Historical Register Supplement*, 1911–20, 8s. 6d.; *Index to Tripos Lists*, 1748–1910, 10s.; *The War List of the Univ. of Cambridge*, 1914–18, 20s.; *University Extension: a Survey of 50 Years*, by the Master of the Temple, 3s. 6d.; *Statutes made by the Univ. of Cambridge Commissioners*, 1926, 2s. 6d.; *University Ceremonies*, by H. P. Stokes.

Histories, etc.: (*a*) *Annals of Cambridge*, by C. H. Cooper (5 vols.); (*b*) *The Univ. of Cambridge*, by J. B. Mullinger (3 vols. to the later 17th cent.); (*c*) College Histories—Robinson's Series, various authors; Dent's Series—King's, St. John's, Trinity, 2s. each; (*d*) *Cambridge and its Colleges*, A. Hamilton Thompson; (*e*) *Cambridge*, T. D. Atkinson and J. W. Clark; (*f*) *Architectural History of Cambridge*, R. Willis and J. W. Clark, 4 vols.

Magazines: The *Cambridge Review*, the *Granta*, the *Old Cambridge*, the *New Cambridge*, weekly during term.

THE YEAR 1925–26

The statutes of the Univ. and its constituent Colleges have recently been revised. In 1922 a Royal Commission for Oxford and Cambridge (appointed in 1919) published its report (Cmd. 1588), and in 1923 Parliament established a legislative Commission which was to give effect at Cambridge to the recommendations contained in this report. The statutes made by the Commission, under the chairmanship of Viscount Ullswater, having become operative in 1926, the summary given in the opening paragraphs of the above "General Information" of the principal features of the constitution of the Univ. takes their effect into account.

It will be seen that the legislative and executive functions formerly vested in the Senate (the constitution of which has not been greatly altered) are now to be exercised by a "Regent House" the composition of which is somewhat similar to that of the former Electoral Roll, the powers of the Senate being limited to a suspensory veto. The control over teaching appointments previously possessed by Colleges is shared by them with the University, the former retaining the duty of appointing Directors of Studies who will superintend the weekly personal instruction of students, with correction of essays and the like. The fees hitherto paid to the Colleges for lectures will now be payable to the University instead; moreover, in several subjects a composition fee will replace separate fees. Women have been declared eligible to University teaching posts, and therefore to membership of Boards of Faculties, and trusts are being so altered as to enable the Univ. to throw scholarships and prizes open to the candidature of women unless the founder has expressly excluded women. The stipends attached to open college entrance scholarships have, as at Oxford, been put on an eleemosynary basis, though the winning of a scholarship will depend, as heretofore, entirely on merit. Admission to a degree is to be by a single act, and the ancient procedure by stages (designation and inauguration, inception and creation) is obsolete.

BENEFACTIONS. The Chancellor, a classical medal for women; J. F. P. Rawlinson, bequest of £1500; Rouse Ball, £50,000 for professorships or readerships in Mathematics and in English Law, and £10,000 for the Library; an anonymous donor, £20,000 for Fitzwilliam Museum; E. J. Bles, bequest of the reversion of his estate for foundation of a "Darwin" professorship; Sir Otto Beit, £1000, addition to Beit Library endowment; Dr. Chase, £100 for University Library; Sir Alfred and Lady Yarrow, endowment (£500 p.a.) of Lectureship in Assyriology; trustees of Mrs. S. A. Wallis, £150 for Univer-

sity Servants Pension scheme ; Laura Spelman Rockefeller Memorial Trustees, $150,000 for a Chair of Political Science.

CHANGES IN REGULATIONS. Regulations for the Mechanical Sciences, English, and Medieval and Modern Languages Triposes were under revision. A special syndicate on residence in Institutions recommended recognition of St. Edmund's House, Westminster College, Cheshunt College, and Wesley House as Houses of Residence.

OTHER DEVELOPMENTS. The building of the new School of Pathology was proceeded with. Cambridge University Air Squadron was established. A scheme for training of probationers for administrative posts in East and West Africa was prepared, to come into effect in 1926-27. The Scott Polar Research Institute was inaugurated. The Cambridge expedition to East Greenland successfully accomplished its task.

DEATHS. W. Welsh, Sept. 12 ; Sir Francis Darwin, Sept. 19 ; Rt. Rev. F. H. Chase, Sept. 23 ; I. Abrahams, Oct. 6 ; W. J. Corbett, Oct. 7 ; J. N. Langley, Nov. 5 ; E. G. Browne, Jan. 5 ; J. F. P. Rawlinson, Jan. 14 ; F. W. Bateson, Feb. 8 ; T. W. Drury, Feb. 12 ; M. B. R. Swann, Feb. 16 ; J. S. Reid, April 1 ; Sir W. Durnford, April 7 ; W. J. Lewis, April 16 ; J. F. Shepherdson, April 25 ; E. J. Bles, May 3 ; C. Wood, July 12 ; J. P. Postgate, July 15 ; Sir Wm. Ridgeway, Aug. 12 ; A. H. N. Sewell, Sept. 28.

RESIGNATIONS. S. M. Wadham, Senr. Demr. in Botany, appointed Prof. of Agriculture in the Univ. of Melbourne ; B. Banham, Asst. Registrary.

INTERCHANGE OF TEACHERS. The following visitors from abroad lectured in the Univ. : R. J. Tillyard (Cawthorne Inst., N.Z., Entomology) ; Prof. Bouglé (Sorbonne, French Literature) ; Prof. V. Parvân (Bucharest, Archæology). The following members of the Univ. lectured abroad : J. B. S. Haldane (Biochemistry, Canada) ; Prof. Sir E. Rutherford (Physics, Australia and New Zealand) ; F. M. Cornford (Greek Philosophy, U.S.A.) ; W. E. Dixon (Johns Hopkins, Medicine).

HONORARY DEGREES. Sc.D.—Col. Sir T. W. Edgeworth David ; LL.D.—The Earl of Ronaldshay, Sir Samuel Hoare, Major-General Sir Fredk. Maurice ; Litt.D.—A. E. Cowley ; M.A.—W. Lewis (University Printer), H. F. Samman, H. M. Hughes, C. Nabokoff.

OTHER DEGREES. Men : D.D., 1 ; M.D., 15 ; Sc.D., 6 ; Litt.D., 2 ; Ph.D., 35 ; M.Chir., 1 ; M.A., 895 ; LL.M., 7 ; M.Litt., 2 ; M.Sc., 4 ; M.B., 53 ; B.Chir., 68 ; B.A., 1232 ; LL.B., 9 ; Mus.B., 5. Women (Titles of Degrees) : Ph.D., 4 ; M.A., 145 ; M.Sc., 1 ; M.B., 1 ; B.Chir., 1 ; B.A., 231 ; LL.B., 1.

APPOINTMENTS BOARD. In 1925, 399 appointments were obtained on the introduction of the Board. These included : educational, 119 ; manufacturing and technical, 89 ; administrative posts in commerce and industry, 81 ; Government departments, mainly scientific, 16 ; colonial administrative, 37 ; agriculture and forestry, 11 ; Indian and Colonial Railways, P.W.D. and Survey, 16 ; journalism and publicity, 2 ; secretaryships, 6 ; railway traffic, 4.

LOCAL EXAMNS. were held in Dec. 1925 at 326 centres, including 41 in India, 23 in Ceylon, 18 in Straits Settlements and Malay States, 3 in China, 15 in Africa, 16 in W. Indies, and others in Aden, Central and S. America, Bermuda, Fiji, Gibraltar, Mauritius, Seychelles, and Switzerland. The number of candidates was 14,303. In July 1926 the examns. were held in 336 centres, of which 22 were overseas, and the number of candidates was 9877.

Number of students (excluding 94 men and 26 women not members of the Univ.) whose homes are in the British Isles: men 4193, women 451; not in the British Isles but within the British Empire: m. 342, w. 10; in foreign countries, m. 193, w. 14. Number of students (members of the Univ.) residing in College: m. 1973, w. 415; in licensed lodgings, m. 2673, w. 30; at home, m. 82, w. 30. Part-time students: none.

Research students, March 1926, 276, of whom 90 were Cambridge graduates, while the others came from other Univs. in England (43—Liverpool 7, London 12, Manchester 8), the U.S.A. (37), Scotland (25), Wales (15), Ireland (6), Canada (13), Australia (10), India (8), New Zealand (7), S. Africa (6), China (1), Japan (1), Lima (1), Europe (5). The fields of research were chiefly Physics (42), Chemistry and Physical Chemistry (39), Bio-Chemistry (17), Botany (21), Zoology (9), Physiology (11), Medicine (8), Agriculture (8), History (14), English (25), Geology (12), Economics (8), Modern Languages (11), Classics (5).

Board of Extra-Mural Studies. The Chairman of the Trades Union Congress was, on the nomination of the W.E.A., appointed a member of the Board in place of the late Fred Bramley, Secretary of the T.U.C. Five lecturers were nominated to stipendiary posts. Percival "Guild House" at Rugby had a successful first year of work as a tutorial classes centre. The *University Extension Bulletin*, for many years the organ of extra-mural work at Oxford, Cambridge, and London, came to an end; its place is being taken, so far as Cambridge is concerned, by the *Cambridge Bulletin of Extra-mural Studies*. The *Summer Meeting* of 1926 (principal subject "India") was attended by 453 students (women 319), of whom 93 came from Germany, 51 from U.S.A., 39 from 10 other foreign countries, and 10 from India. Under the scheme inaugurated by the Board in the preceding year for the *attendance of "extra-mural" students at Cambridge*, six were in residence in as many men's colleges and three at Newnham. Four came from the three affiliated centres, two from educational settlements, and three from tutorial classes in other centres. One was in her 4th year, two in their 3rd, and two in their 2nd. Their subjects were Moral Science, History (2), English (2), Music, Economics, Psychology, and Bio-chemistry. The Board reported that they have made full use of this opportunity of education, and have all entered whole-heartedly into the social and athletic life of the University.

Students. Attending Tutorial Classes: men 264, women 280; Local Lectures (Extension Courses), 2583.

UNIVERSITY OF DURHAM

VISITOR—THE LORD BISHOP OF DURHAM.

CHANCELLOR—The Rt. Hon. the EARL OF DURHAM, K.G., G.C.V.O., D.C.L.

VICE-CHANCELLOR—Prof. P. J. HEAWOOD, M.A.

PRO-VICE-CHANCELLORS—Sir THEODORE MORISON, K.C.S.I., K.C.I.E., M.A., D.C.L.; Sir DAVID DRUMMOND, C.B.E., M.A., M.D., D.C.L., LL.D.; Prof. ARTHUR ROBINSON, M.A., D.C.L.

DEANS OF FACULTIES. See under "General Information"—Faculties.

PROCTORS—H. ELLERSHAW, M.A.; H. J. HUTCHENS, D.S.O., M.A.

REGISTRAR—H. G. THEODOSIUS, M.A., B. ès L., 38 North Bailey.

LIBRARIAN—E. V. STOCKS, M.A.

AFFILIATED AND ASSOCIATED COLLEGES

A. Colleges in which students may matriculate, keep terms, and pass examns., and so qualify without coming to England for the B.A., M.A., B.D., D.D., B.C.L., and D.C.L. degrees:

CODRINGTON COLLEGE, BARBADOS. Trustees (under the will of Christopher Codrington, who died in 1710)—The Society for the Propagation of the Gospel; Visitor—The Lord Bishop of Barbados; Principal—J. C. Wippell, M.A., B.D.; Prof. of Theology—.....; Prof. of Classics—W. W. C. Dunlop, M.A.; Prof. of Medicine—W. B. Clarke, M.B., C.M.

FOURAH BAY COLLEGE, SIERRA LEONE. Founded in 1827 by the Church Missionary Society. In 1918 the Wesleyan Missionary Society became associated with the C.M.S. in the control of the College. Visitor—The Bishop of Sierra Leone; Deputy Visitors—The Chief Justice, the Colonial Secretary; Principal (acting)—James Denton, M.B.E., M.A., L.Th.; Vice-Principal—J. L. C. Horstead, M.A.; 4 Tutors and 7 Lectrs.

B (affiliated). Ladies' College, Cheltenham; Queen's College, Harley St., London; Women's Training Colleges, Darlington and Ripon. Women students of 18 yrs. of age who have completed 2 yrs. of study and examn. at any one of these and passed the First Public Examn. in Arts may be allowed to count 2 yrs. kept at the College as 1 yr. towards the B.A. degree.

C. The following associated Theological Colleges:

St. Aidan's; St. Andrew's (Oyo, Nigeria); St. Augustine's; Burgh; Chichester; Cumbrae; Dorchester; Edinburgh; Gloucester; Highbury; Islington; Jamaica; St. John's, Armidale, N.S.W.; Lichfield; Lincoln; Moore, Sydney; Queen's (St. John's, Newfoundland); Salisbury; Selwyn (Dunedin); Truro; Warminster; Bishop Wilson School (Isle of Man); Theol. Depts. of King's Coll., London, and of Queen's Coll., Birmingham.

Students may take in these Colleges courses extending over 3 years, which qualify for the Lic.Theol. Nine terms kept in one of these Colleges, after passing the matricn. examn., may be counted in lieu of 6 of the terms required for the B.A. degree in the case of a student who obtains the Lic.Theol.

GENERAL INFORMATION

The Univ. was established by Act of Parliament in 1832 and reconstituted in two divisions in 1908. The College of Medicine, founded in 1832, became

associated with the Univ. first in 1852, and more closely, as "The University of Durham College of Medicine," in 1870. Armstrong College was founded in 1871 as the Durham College of Physical Science, and assumed its present name in 1904. The Vice-Chancellorship is held in rotation by a representative of the Durham Colleges, College of Medicine, and Armstrong College for 2 years.

The Univ. has no teaching staff apart from those of the Durham Colls., the Coll. of Medicine, and Armstrong Coll. The Council of the Durham Colleges, the Coll. of Medicine, and Armstrong Coll. have respectively full power and authority to regulate teaching and discipline, and to provide for the appointment of all their teachers and other officers.

LIBRARIES. See under the Colleges.

FACULTIES AND DEANS. At Durham only: Theology, Prof. Dawson-Walker, and Music, Prof. Bridge. At Durham and Armstrong: Arts and Letters, Prof. Renwick (Armstrong—English), and Science, Prof. Welch (Armstrong—Nav. Arch.). At College of Medicine: Medicine, Prof. McDonald (Pathology). At Armstrong: Law, Prof. A. Robinson (Durham—Educn.), and Commerce, Miss G. E. M. Jebb. University Committees of Education and of Military Education.

MATRICULATION. See Appendix XXI.

ADMISSION OF STUDENTS FROM OVERSEAS. The matricn. examns. of Sydney and the S. African Univs. and degrees in Arts of all Univs. of the British Empire are accepted. See also Appendix XXIII.

DEGREES. B.A., M.A., B.Litt. (obsolete), M.Litt., D.Litt.; B.Sc., M.Sc., D.Sc.; B.D., D.D.; B.C.L., D.C.L., LL.B.; M.B., B.S., M.D., M.S., D.Ch.; B.Hy., D.Hy.; B.D.S., M.D.S.; B.Mus., D.Mus.; B.Com., M.Com.; Ph.D. (v. p. 18).

Diplomas in Foreign Langs., Arabic, Theol., Psychiatry, Teaching, Public Health; L.D.S., Lic.Theol.

The B.A., B.Sc., or B.Com. may be obtained by a 3 yrs.' undergraduate course. For the 1st yr. of the B.Sc. course equivalent study in another Univ., and for the 1st yr. of the B.Com. course 2 yrs.' attendance as an evening student, may be accepted. For the B.Mus. two public examns. must be passed.

For the M.B. and B.S. at least 1 of the 5 yrs. of Med. study must be spent in the Coll. at Newcastle. The B.Hy. is open to graduates in Med. who have spent 1 yr. in professional study at Newcastle. The B.D.S. course is one of 5 yrs.

The B.C.L. may be taken by examn. by a B.A. of 6 terms' standing.

The LL.B. may be taken by a candidate of Intermediate grade in Arts or Science after a 3 yrs.' course.

The course for the Diploma in Teaching covers 3 terms after graduation.

The course for the Diploma in Arabic covers 3 terms.

The M.A. is open to a B.A. of 9 terms' standing who obtained 1st or 2nd Class Honours in the Final B.A. examn. or, after passing this examn., has passed the Dipl. Theol., B.D., B.C.L., M.B. or B.Sc., degree examn., or who qualifies by passing a special examn.

The M.Sc. can be obtained by a B.Sc. of 2 yrs.' standing by original work or examn.

The M.D.S. can be obtained by a B.D.S. of 2 yrs.' standing by thesis and practical dental work of high skill.

The D.Litt. or D.C.L. may be obtained by a B.A. (or B.Litt.) or B.C.L., respectively, of 10 yrs.' standing by a sufficient contribution to learning; the D.Sc. in the 7th year after admission to B.Sc.; the D.Mus. by a B.Mus. of 15 terms' standing.

For the M.D. a candidate must have had 2 yrs. of practice in a hospl. or Mily. or Naval service after graduation as M.B.

For the D.Ch. a candidate must have devoted 3 yrs. (including one at least in the Univ. and 6 months at least abroad), subsequently to having obtained a registrable qualification, to the study of surgery and ancillary subjects.

For the D.Hy. 2 yrs.' experience of Pub. Health administration or research after obtaining the B.Hy. are necessary.

M.D. Degree Examn. for Practitioners. A person who has been registered by the Gen. Med. Council of the U.K. and in the active practice of his profession for 15 yrs. as a qualified practitioner and is not less than 40 yrs. of age may obtain the M.D. degree without fulfilling any conditions as to residence on passing an examn. instituted for this purpose by this Univ. and held in June and Dec. Candidates who have not passed previously to their professional examn. an examn. in Arts are required to pass an examn. in Classics and Maths. Natives of India are admissible if they bring evidence of having passed within the preceding year an examn. in Latin.

Degrees, etc., in Theology. The B.D. examn. is open to candidates who are graduates of a Univ. of the British Empire in Arts (or Letters) of 2 yrs.' standing; if of another Univ. they must have obtained the Dipl. Theol. of Durham. The Board of the Faculty may admit also non-graduates who keep three terms at Durham and pass the Dipl. examn.

The Lic. in Theol. is open to members of the C. of E. only. Nine terms must be kept at one of the Theol. Colls. in list C above.

The Dipl. in Theol. is obtainable by graduates of a Univ. of the British Empire who keep 3 terms at Durham and pass the Dipl. examn. Residence for a year at an approved Australian Coll. may be accepted in lieu of keeping 3 terms at Durham.

The D.D. is open to a B.D. of Durham who is a Master of Arts of 10 yrs.' standing on submission of a sufficient contribution to learning.

FEES. Matricn., £2. Examns. and degrees, £2 to £10 (Examns. for D.Ch., £20; D.Hy., £20; M.D. for practitioners, 50 gs.; Final for M.B., B.S., £15).

PUBLICATIONS. *Univ. Calendar* (Sep.), 2s. 6d.; *Durh. Univ. Gazette*, 4s. annually; *Durh. Univ. Journal* (oldest Univ. Mag. in England), once a term, 1s. 6d.

THE YEAR 1925–26

NEW DEVELOPMENTS. Establishment of Chair of Geology in the Durham Division. *One* dissertation only to be required in future for D.C.L. degree. Unification of syllabuses in Arts in the Durham and Newcastle Divisions. Recognition by the three Units for purposes of matriculation of the Irish Free State Leaving Certificate and the Army Special Certificate.

HONORARY DEGREES CONFERRED. *D.Litt.*—L. Cazamian, J. D. Duffy; *M.Sc.*—A. Scott.

OTHER DEGREES. D.D., 1; M.D., 7 (including women—2); D.Sc., 2; Ph.D., 5; M.A., 67 (w. 9); M.S., 2; M.Sc., 30 (w. 2); M.Com., 1; B.D., 2; D.C.L., 1; M.B, B.S., 47 (w. 10); B.A., 135 (w. 71); B.Sc., 50 (w. 9); B.Hy., 3 (w. 1); B.Mus., 11 (w. 1); D.Com., 9 (w. 1); L.Th., 21.

DIPLOMAS Dip.Th., 8; D.Th.P.T., 97 (w. 66); D.P.H., 4 (w. 1); D.F.L., 1 (w.1); L.D.S., 8.

TUTORIAL CLASSES (W.E.A.) AND EXTENSION COURSES. Considerable expansion in volume of work done, increase in number of classes and widening of curriculum. Total number of classes and courses, 66 (exclusive of 8 Preparatory Classes). In Durham, Northumberland, Cumberland Counties and North Yorkshire.

DURHAM DIVISION

President of Council—J. S. G. PEMBERTON, M.A., D.C.L.
Secretary of the Council—J. L. BURCHNALL, M.A.
Secretary of Examinations—J. H. How, M.A.
Prælector—S. R. P. MOULSDALE, M.A., B.D.
Treasurer—F. W. RITSON, M.A.
Librarian—E. V. STOCKS, M.A.

PROFESSORS AND LECTURERS

Archæological Research
Simpson, F. G., M.A. Director.

Botany
Griffiths, B. M., D.Sc. Birm., F.L.S. Reader.
Phillips, Elsie, Ph.D.Liv., B.Sc. Lectr.

Chemistry
Masson, J. I. Orme, D.Sc. Melb., F.I.C. Prof.
Macbeth, A. K., M.A. St. And., D.Sc. Belf. Reader.
Dobson, H. J. E., M.Sc. Lond. Lectr.
Christie, G. H., M.Sc., Ph.D. Sheff. Lectr.

Classics [Prof.
Cruickshank, A. H., M.A. Ox., D.Litt. (Greek and Class. Lit.)
How, J. H., M.A. Ox. (Latin) Prof.
Conway, G. S., B.A. Camb. Lectr.
Boden, J. P., M.A. Lectr.
Body, L. A., M.A. Camb. Lectr.
Donaldson, Rachel E. D., M.A. Ox. and Durh. Lectr.
Norman, R. T., M.A. Lond., B.A. Ox. Lectr.

Divinity and Eccl. History
Dawson-Walker, D., M.A., D.D. Ox. Prof.

Divinity
Pace, E. G., M.A., D.D. Reader.

Economics and History
Hood, F. C., M.A. Edin. Lectr.

Education and Psychology
Robinson, A., M.A., D.C.L. Prof.
Rich, R., M.A. Lond. Lectr. (Ed.).

English Lang. and Lit.
Ellershaw, H., M.A. Prof.
Colgrave, B., M.A. Camb. Lectr.

Geology [Prof.
Holmes, A., D.Sc. Lond., F.G.S.
Hopkins, W., M.Sc., Ph.D. Lectr.

Hebrew and Oriental Langs.
Guillaume, A., M.A. Ox. Prof.

History [Reader.
Whiting, C. E., M.A., B.D., B.C.L.
Edwards-Rees, Désirée M. M., B.A. Ox. Lectr.
Braley, E. F., M.A., LL.M. Camb. Lectr.

History, Ecclesiastical
Wallis, C. S., M.A. Lectr.

Liturgiology [Lectr.
Moulsdale, S. R. P., M.A., B.D.

Mathematics
Heawood, P. J., M.A. Ox. Prof.
Burchnall, J. L., M.A. Ox. Lectr.
Baxter, E. F., M.A. Camb., M.Sc. Lond. Lectr. (Applied M.).

Military Science
Gadd, H. R., D.S.O., M.A. Lectr.

Modern Languages [Prof.
Herdener, C. F., M.A. (B.A. Lond.) Lectr. (French).

Lambley, Kathleen, M.A., Doc. Univ. Rennes
Houston, Gertrude A. C., M.A. Belf., Lond., and Durh. Lectr. (German).
Blondel, J. G. F. Fr. Asst.
Becq, Renée Fr. Asstc.

Music

Bridge, J. C., M.A., D.Mus. Prof.

Palæography

Falkner, J. M., M.A. Ox. and Durh. Hon. Reader.

Philosophy [Prof.

Jevons, F. B., M.A. Ox., D.Litt.

Physics

Wagstaff, J. E. P., M.A., D.Sc. Camb. Prof.
Bastings, L., B.A., M.Sc. N.Z. Lectr.
Schofield, R. K., M.A., Ph.D. Camb. Lectr.

Psychology, v. Educn.

Theology, v. also Div.

Jarrow, Bishop of, D.D. Hon. Reader.
Coleman, N. D., M.A. Camb. Lectr. in T. and Hellenistic Greek.
Cosgrave, W. F., M.A., B.D. Lectr. in Pastoral T.

University Extension

19 Tutors and 3 Lectrs. Secy. to the Joint Committee: Rev. Dr. Pace. Organizing Secy. of N.E. District of W.E.A.: Alderman W. N. Smith.

THE DURHAM COLLEGES

UNIVERSITY. Master—H. Ellershaw, M.A. Censor and Bursar—A. A. Macfarlane-Grieve, M.A. Chaplain—N. D. Coleman, M.A.

HATFIELD. Master—A. Robinson, M.A., D.C.L. Vice-Master and Chaplain—E. G. Pace, M.A., D.D. Censor—C. F. Herdener, M.A.

ST. CHAD'S. Principal and Chaplain—S. R. P. Moulsdale, M.A., B.D. Vice-Principal—C. E. Whiting, M.A., B.D., B.C.L. Classical Lectr.—L. A. Body, M.A. Fellow, Tutor, and Bursar—J. P. Boden, M.A.

ST. JOHN'S. Principal and Chaplain—C. S. Wallis, M.A. Vice-Principal—H. Y. Ganderton, M.A. Classical Lectr.—O. W. Whaley, M.A. Lectr. in Hebrew—N. D. Coleman, M.A. Elocution Teacher—A. D. Culley, M.A., Mus.B.

ST. MARY'S (for women). Principal—Rachel E. D. Donaldson, M.A.; Senior Tutor—Helen I. Wilkie, Ph.D.; Censor and Tutor—Désirée M. M. Edwards-Rees, B.A.; Domestic Bursar—Marjorie J. Middleton; Secretary—Joan Hughes.

*BEDE (Training College for men). Principal—E. F. Braley, M.A., LL.M. Vice-Principal—F. E. Dann, M.V.O., M.A., M.Litt. Lectrs.—A. Langford-Jones, M.A.; H. W. Dobson, M.A.; F. Bentley, B.A.; J. F. Willatt, B.A.; J. O. Ellis, B.A.; C. S. Axon.

*ST. HILD'S (Training College for women). Principal—Eleanor C. Christopher, M.A. Lectrs.—Winifred Hindmarch, M.Litt.; Jean Templeton, M.A.; Margaret Dodgson; Gladys Hinde, B.A.; Alice Skillicorn, B.Sc.

*NEVILLE'S CROSS (Training College for women). Principal—Zeta G. D. May, M.A. Lectrs.—Mary Benson, M.A., B.Sc.; Marjorie C. Haywood, M.A.; Winifred M. A. Lomas, B.Sc.; Netty M. Lunan, M.A.; Mary Sturt, M.A.

* Colleges under the Board of Education licensed by the Council of Durham Colleges as places of residence for students reading for degrees in the Durham Division of the University.

NON-COLLEGIATE STUDENTS. Censor—N. D. Coleman, M.A.

HOME STUDENTS (Women). Censor—Kathleen Lambley, M.A., Doc. Univ. Rennes.

GENERAL INFORMATION (see also p. 68)

University College was formed at the opening of the Univ.; Hatfield College was opened (as Bishop Hatfield's Hall) in 1846, St. Mary's in 1899, St. Chad's in 1904, St. John's in 1909. Bede College, founded in 1839, was brought into connexion with the Univ. in 1919 as a licensed Hall of Residence for Undergraduates. St. Hild's (established in 1858 as a C. of E. Training College) and Neville's Cross (established in 1921 by the County Council as a Training College) are licensed as places of residence for women undergraduates.

LIBRARY, 39,000 vols., 157 incunabula; including rare theological and patristic books. OBSERVATORY with almucantar, etc.

MATRICULATION. See Appendix XXI.

FEES. Including admission, tuition, examns., board and lodging, subscriptions and gratuities, at Univ. College, £118 p.a.; Hatfield, £100; St. Chad's, £105; St. John's, £103 : 10s.; St. Mary's, £105; St. Hild's, £49–£66; Neville's Cross, £45. Non-Coll. students pay £24 p.a., Univ. fees including club subscriptions; average cost of board and lodging per term £14 to £24. Students in Science pay slightly higher fees. For students entering in and after October 1927 (except those in Science) tuition fees will be raised £2 terminally, and the above fees will consequently, in most cases, be increased by £6.

FELLOWSHIPS, 3 Tutorial, £200 to £300, and 1 ordinary, £200, open only to candidates who have kept terms and taken B.A. in Durham Division.

THE YEAR 1925–26. A Chair of Geology was established. An Honorary Reader in Theology was appointed, and Lectureships in Chemistry and Physics instituted. Building of new Lecture-rooms was decided on. Slight lengthening of duration of terms. "Echoes of Exmoor" Exhibition and Gladstone Memorial Prize founded. *Students.* Full-time: in Arts and Pure Science, graduates, 52 (including 13 women); preparing for a first degree, 272 (w. 105). Resident in colleges or hostels, 314 (w. 111). Students from abroad: other parts of the Empire, 5; China, 1. Part-time, 3 (w. 2). Degrees obtained: B.A., 62 (w. 31); M.A., 40 (w. 4); D.D., 1; B.D., 1; Mus.Bac., 10 (w. 1). Tutorial class students (3 yrs.), 442 (w. 112); preparatory classes, 138 (w. 48); extension courses, 100 (w. 41).

COLLEGE OF MEDICINE, NEWCASTLE-UPON-TYNE

Chairman of the Court of Governors—R. G. E. MORTIMER, M.A.

President of the College and Vice-Chairman of the Court of Governors—Sir THOMAS OLIVER, D.L., M.A., D.C.L., M.D., LL.D., D.Sc., F.R.C.P.

Registrar—Prof. R. HOWDEN, M.A., M.B., D.Sc., LL.D.

Treasurer—Sir JOSEPH REED.

PROFESSORS, LECTURERS, ETC.

Anæsthetics
Tate, E., M.D., B.S. Tutor.

Anatomy [Prof.
Howden, R., M.B., C.M., LL.D. Edin., M.A., M.B., D.Sc.
Green, R. B., M.B., B.S. Lond., F.R.C.S. Lectr.
Whillis, J., M.B., M.S. Demr.
Lectrs. in Appl. A.:
Clay, J., K.H.S., C.B.E., M.B., B.S., F.R.C.S.
Lickley, J. D., M.D. Glas.

Bacteriology, v. Path. Comp.

Biology
Bews, J. W., M.A., D.Sc. Edin. (Botany) Prof.*
Meek, A., D.Sc., F.Z.S. (Zool.) Prof.*

Chemistry, Organic
Clemo, G. R., Ph.D., D.Sc. Lond., D.Phil. Ox., F.I C. Prof.*

Chemistry, Inorganic
Briscoe, H. V. A., D.Sc. Lond., A.R.C.Sc., D.I.C. Prof.*

Children, Diseases of
Ogden, O. W., M.D. Lectr.

Dental Science, v. *infra*

Dermatology, Clinical
Bolam, Sir Robert A., O.B.E., M.D., LL.D., F.R.C.P. Lectr.
Thompson, S., M.B., B.S. Asst.

Hygiene, v. Pub. Health

Laryngology, Otology, & Rhinology, Clinical
Whillis, S. S., M.D., B.S. Lectr.
Wilson, W. F., M.B., B.S. Asst.

Materia Medica, Pharmacology, and Therapeutics
Hume, W. E., C.M.G., M.A., M.D., B.Chir. Camb., F.R.C.P. Prof.
Kirkhouse, Mona, M.D., B.S. Asst.

Electrotherapeutics
Gamlen, H. E., M.B., B.S., D.P.H. Lectr.
Davidson, S. W., M.D., B.S. Asst.

Medical Jurisprudence
Hall, G., C.M.G., M.D. Lond., B.Sc. Lectr.

Medicine, Principles and Practice
Oliver, Sir Thomas, D.L., M.D. Glas. and Durh., LL.D. Glas., D.Sc. Sheff., M.A., D.C.L., F.R.C.P. Prof.
Beattie, T., M.D., F.R.C.P. Lectr.

Medicine, Clinical
Beattie, T., M.D., F.R.C.P. Lectr.

* Also in Armstrong Coll.

Prof. Hume (v. Mat. Med.) Lectr.
Drummond, H., M.D., B.S. Lectr.
Parkin, A., M.D., F.R.C.S. Lectr.
Hall, G. (v. Med. Juris.) Lectr.
Patterson, D. W., O.B.E., M.B., B.S. Lectr.
Hunter, T. C., M.D., B.S. Lectr.
Nattrass, F. J., M.D., B.S. Lectr.

Midwifery and Gynæcology

Lyle, R. P. R., M.A., M.D. Dub. and Durh., B.Ch., B.A.O. Dub. Prof.
Murray, E. F., M.D. St. And., F.R.C.S. Lectr. & Clin. Lectr.

Lectrs. in Clinical M. :

Ruxton, W. L., M.B., C.M., Hon. Obstetric Physician
Campbell, L. Mabel R., M.A., M.B., Ch.B., Hon. Obstetric Physician
Evers, H. Harvey, M.S., F.R.C.S.
Weeks, L. M., M.A., M.D. Hon. Asst. O. Physician.

Ophthalmology and Clin. Ophth.

Wardale, J. D., M.A., M.B., B.S. Prof.
Arkle, J. S., M.B., B.S. Asst.

Pathology and Clin. Path. [Prof.

McDonald, S., M.D. Edin., M.A.
Shaw, A. F. B., B.A., M.D. Dub., D.P.H. Lectr.
Smith, R. P., M.B., Ch.B. Glas., D.P.H. Demr.
Spence, J. C., M.D. Demr. (Path. Chem.).
Murray, E. F., M.D., F.R.C.S. Demr. (Gynæc. Path.).

Pathology, Comp., and Bacteriology

Hutchens, H. J., D.S.O., D.P.H. Ox., M.A. Heath Prof.
Clayton, F. H. A., M.D. Lectr.
Warren, S. H., M.R.C.S., L.R.C.P., D.P.H. Demr.
Wallace, J. M., M.A. Camb., M.R.C.S., L.R.C.P. Demr.
Whitehead, H. R., M.Sc. Leeds, A.I.C. Demr.

Pathology, Medical

Prof. Hume (v. Mat. Med.) Demr.

Pathology, Surgical

Wardill, W. E. M., M.B., B.S., F.R.C.S. Demr.

Physics

Curtis, W. E., D.Sc. Prof.*
Todd, G. W., M.A., D.Sc. Prof.*

Physiology [Prof.

Burns, David, M.A., D.Sc. Glas.
Secker, J., M.Sc. Lectr.

Demrs. :

Dawson-Walker, E. F. D., M.B., B.S.
Nattrass, F. J., M.D., B.S. (in Clinical P.)

Psychological Medicine

MacPhail, H. D., O.B.E., M.A., M.D. Lectr.

Public Health

Kerr, H., O.B.E., M.A., M.D., Ch.B. Edin., D.P.H. Prof.

Surgery

Angus, H. B., M.B., M.S., F.R.C.S. (Lectr. in Clin. S.) Prof.
Turner, G. G., M.B., M.S., F.R.C.S., F.A.C.S. (and in Clin. S.) Lectr.

Clinical Lectrs. :

Martin, A. M., M.B., B.S.
Clay, J. (v. Anat.)
Willan, R. J., M.V.O., M.B., M.S., F.R.C.S.
Pybus, F. C., M.B., M.S., F.R.C.S.
Johnston, H. M., B.A., M.B. Belf., F.R.C.S.
Barclay, J. H., M.D., M.S., F.R.C.S.
Hodgson, N., M.B., M.S., F.R.C.S.
Hindmarsh, T. A., M.B., M.S., F.R.C.S.

* Also in Armstrong Coll.

Gilmour, J., M.B., M.S., F.R.C.S.
Whyte, A. H., M.B., M.S., F.R.C.S.

Therapeutics, v. Materia Med.

Zoology, v. Biol.

Dental Science

Lectrs. :
Laing, A. M., L.D.S. (D. Anat. and Physiol.).
Daniels, J. W., L.D.S. Edin. (D. Mechanics).
Lotinga, C., L.D.S. (D. Metallurgy).
Coltman, J., L.D.S. (D. Surg. and Path.).
Walkinshaw, T. R. D., L.D.S. Edin. (Op. D. Surg.).
Cooper, E. R., L.D.S. Edin. (Orthodontics).
Seymour, W., M.B., B.S. (D. Anæsthetics).
Davis, H., L.D.S. (D. Mat. Med. and Therap.).
7 Hon. D. Surgeons, 17 Hon. Asst. D. Surgeons, 1 Anæsthetist, 1 Hon. Radiographer.
Head, L. H., L.D.S. Prosthetic Tutor.
Mallett, R. H., L.D.S. Tutorial D. Surgeon.

GENERAL INFORMATION (see also p. 68)

Instruction in Biology, Chemistry, and Physics is given at Armstrong College; in Clinical Medicine and Surgery, etc., in the Royal Victoria Infirmary and other hospitals; in Practical Midwifery and Clinical Gynæcology at the Princess Mary Maternity Hospital. Post-graduation teaching is supervised by a committee representing the College and the hospitals. A Research Committee provides facilities for, helps towards financing, and otherwise encourages research work in the College.

LIBRARIES, 13,000 vols (in new Library at Armstrong College). MUSEUMS: Anat., Hygiene, Mat. Med., Path.

MATRICULATION. See Appendix XXI.

SCHOLARSHIPS open to graduate students of the Coll.: £25, £40; Durh. graduates only, £200.

FEES. For Tuition, 5-yrs.' course for M.B., B.S., about £215, including Hospl. Fees, Practical Midwifery, Instruction in Fevers and Vaccination, and Students' Union; 4-yrs.' course for L.D.S., about £175; 5-yrs.' course for B.D.S. about £192. Examns. for M.B., B.S., £30; L.D.S., £15 : 10s; B.D.S., £23; M.D., £5; M.S., £5; D.Ch., £20; D.P.H., 10 gs.; D.Psy., 10 gs.; B.Hy., 10 gs.; D.Hy., £20; M.D. (for practrs.), 50 gs., including degree fee; M.D.S., £5. Degree fees for M.B., B.S., £13 : 2s.; B.D.S., £6 : 16s.; L.D.S., £3; B.Hy., 6 gs.; D.Hy., £10; M.D., £10; M.S., 6 gs.; D.Ch., £10; Ph.D., £5; D.P.H., £3; Dip. in Psychiatry, £3.

PUBLICATIONS. *Calendar*; Students' *Gazette*.

THE YEAR 1925–26. Public subscriptions to College funds amounted to £589. An agreement was completed by which the books of this College (with the exception of some text-books and duplicate journals) are to be housed in the new Library at Armstrong College—along with the books from the library of the Royal Victoria Infirmary—thus constituting a complete University Library at Newcastle-upon-Tyne. *Students*. Full-time: total, 301 (including 38 women); graduates, 11 (w. 4); preparing for first degree, 228 (w. 32); other full-time students, 62 (w. 2). Part-time: total, 110 (w. 10); degree students, 6; diploma, 2 (w. 1); occasional, 102 (w. 9). *Degrees* obtained: M.D., 6 (w. 1); M.D. (Pract.), 1; M.S., 2; B.Hy., 3 (w. 1); M.B., B.S., 48 (w. 10); D.P.H., 4 (w. 1); L.D.S., 7.

ARMSTRONG COLLEGE, NEWCASTLE-UPON-TYNE

President of the College—Rt. Hon. VISCOUNT GREY OF FALLODON, K.G., P.C., D.C.L.

Chairman of Council—C. A. COCHRANE, M.A., D.C.L.

Vice-Chairman of Council—PERCY CORDER, D.C.L.

Principal—Sir THEODORE MORISON, K.C.S.I., K.C.I.E., C.B.E., M.A. Camb., D.C.L.

Registrar and Secy. of Examinations—J. Y. T. GREIG, M.A., D.Litt. Glas.

Bursar—R. N. WILKINSON.

Librarian—F. BRADSHAW, M.A. Oxon and Durh., D.Sc. Lond.

PROFESSORS, LECTURERS, ETC.

Accounting

Bell, Albert, F.C.A. Lectr.
Allan, T. K. Asst. Lectr.

Agriculture and Rural Economy, v. also Forestry, Vet. Sc., Dairy Bact.

Gilchrist, D. A., B.Sc. Edin., M.Sc. Prof.
Wheldon, R. W., M.Sc. Lectr.
Pawson, H. C. Lectr.
Adam, D. T., B.Sc. Aberd. (Land Surv., etc.) Lectr.
Westwater, C. H., M.A., B.Sc. Glas. Lectr.

Agricultural Botany

Heddle, R. G., B.Sc., M.A. Lectr.

Agricultural Chemistry

Thomas, B., M.Sc. Adviser.
Hall, A. A., M.Sc. Liv. and Manc., Ph.D. Jena, F.I.C. Lectr.

Agricultural Economics

Dinsdale, D. H., B.A. Adviser.
Davies, J. L. Student Asst.

Agricultural Mycology

Bennett, F. T., B.Sc. Adviser.

Agricultural Zoology

Gray, R. A. H., M.A., B.Sc. Aberd., M.Sc. Adviser.
Morrison, L., B.Sc. Aberd. Lectr.

Archæology

Simpson, G., M.A. Durh. Hon. Dir. of Field Studies.

Art (School of Fine Arts)

Dickey, E. M. O'R., M.A. Camb. Prof. and Dir. of School.
Bullock, R., M.A. Master of Painting and Asst. Dir.
Bertram, R. J. S., M.A. (Design).
Reid, J. M. W., A.R.C.A. (Sculpture).
Weightman, F. N., M.A. (Archit.).
Heslop, A. (Engraving).
9 Assts.

Botany, v. also Agric.

Bews, J. W., M.A., D.Sc. Prof.*
Blackburn, Miss K. B., D.Sc. Lond., F.L.S. Lectr.
Bartlett, A. W., M.A. Camb., B.Sc. Lond., M.Sc., F.L.S. Lectr.
Thomas, Meirion, M.A. Camb. Lectr.

Chemistry, v. also Agr.

Briscoe, H. V. A., D.Sc. Lond., M.Sc., A.R.C.Sc., D.I.C. Prof.* (Inorg. and Physical C.) and Director of Dept.

* Also in Coll. of Med.

Clemo, G. R., Ph.D., D.Sc. Lond., D.Phil. Ox. Prof. (Organic C.).
Madgin, W. M., M.Sc. Lectr.
Robinson, P. L., D.Sc. Lectr.
Mallen, Miss C. E., M.Sc. Lectr.
Leitch, Miss G. C., M.A., B.Sc., Ph.D. St. And. Lectr.

Classics and Ancient History
Duff, J. Wight, M.A. Aberd. and Ox., D.Litt. Ox. and Durh., LL.D. Aberd. Prof.
Shipley, Miss C. M., M.A. Lectr.
Waddell, W. G., M.A. Glas. and Lond. Lectr.
Whittick, G. C., M.A. Ox. Lectr.

Crystallography and Mineralogy
Fletcher, M., M.A. Camb. and Durh., M.Sc., F.G.S. Lectr.

Dairy Bacteriology
Henderson, D. W. Adviser.

Economics, v. also Accounting, Law
Hallsworth, H. M., O.B.E., M.A. Manc., M.Com. D. Dale Prof.
Jebb, Miss G. E. M., M.A. Lectr.
McCallum, E. D., M.A. Glas. ,,

Education
Smith, Frank, M.A. Camb., B.Sc. Manc., Ph.D. Wales Prof.
Melville, Ellen L., M.A. Leeds and Durh. Lectr.
Brown, V., O.B.E., M.Sc. Lectr.
Bailes, Stella, B.Sc. Lectr.
Duff, J. F., M A. Camb. Lectr.
Hawthorn, Miss C. M., M.A., B.Sc., Durh.
Warden of Women's Hostel.

Engin., Mechanical, Marine and Civil, v. also Nav. Arch.
Hawkes, C. J., M.Sc., A.M.I.C.E., M.I.N.A., M.I.M.E., R.N. (retd.) Prof.
Morrow, J., T.D., M.Sc. Manc. and Durh., D.Eng. Liv. Reader.
Hardy, G. F., M.Sc. Lectr.
Hall, J., M.Sc. Lectr.
Dixon, J. T. H., M.Sc. Lectr.
Martin, H. E. L., B.Sc. Bris. and Lond., A.M.I.C.E. Lectr.
Miller, C. V., B.Sc. Lond. Lectr.
Baker, H., M.Sc. Manc., Ph.D. Birm. Lectr.

Engineering, Electrical
Thornton, W. M., O.B.E., D.Sc. Manc., Liv., and Durh., D.Eng. Liv., M.I.E.E. Prof.
Wilcken, J. A., B.Sc. Copenhagen, Ph.D. La Plata Lectr.
Dickinson, J., M.A. Ox., M.Eng. Sheff. Lectr.
MacElwee, N. M., B.Sc. Temp. Lectr.

English
Renwick, W. L., M.A., D.Litt. Glas., B.Litt. Ox. J. Cowen Prof.
Wragge, Sybil, M.A. Lectr.
Elmes, R. S., B.A. Camb. Lectr.

Forestry [Lectr.
Hopkinson, A. D., B.Sc. Aberd.

French, v. Modern

Geology, v. also Cryst.
Hickling, H. G. A., D.Sc. Manc., M.Sc. Prof.
Mockler, G. S., B.Sc. Manc. Lectr.
Allan, D. A., B.Sc., Ph.D. Edin. Lectr.
Tomkeieff, Serge Lectr.

History, Modern [Prof.
Morison, J. L., M.A., D.Litt. Glas.
Bradshaw, F., M.A. Ox. and Durh., D.Sc. Lond. Lectr.
Pybus, Miss H. J., M.A. Ox. Lectr.
Cobban, A. B. C., M.A., Ph.D. Camb. Lectr.

History, Ancient, v. Classics

Law
Murray-Aynsley, C. M., B.A., LL.B. Camb., Bar.-at-Law Lectr.
Charlesworth, J., LL.D. Lond., Bar.-at-Law Asst. Lectr.

Law, Commercial
Fenwick, C. B., M.A. Ox., Bar.-at-Law Lectr.

Law, Company
Muir, C. W. Lectr.
Mathematics
Jessop, C. M., M.A. Camb. Prof.
Caunt, G. W., M.A. Camb. and Durh., M.Sc. Reader.
Colborne, D. C., M.A. Camb. Lectr.
Mathematics, Applied, and Math. Physics
Havelock, T. H., M.A. Camb., D.Sc., F.R.S. Prof.
Goldsbrough, G. R., D.Sc. Reader in Dynamical *Astronomy* and Lectr. in Applied M.
Miles, W. H., B.A. Ox. Lectr.
Pollard, M. J., B.Sc. Wales, B.A. Camb. Temp. Lectr.
Metallurgy
Smythe, J. A., D.Sc., Ph.D. Gott. Wm. Cochrane Lectr.
Pearson, C. E., B.Met. Sheff. ,,
Military Science [Lectr.
Gadd, Maj. H. R., D.S.O., M.C.
Mining
Poole, Granville, B.Sc. Birm., M.I.E.E., F.G.S. Milburn Prof.
Whetton, J. T., M.C., M.Sc. Leeds Lectr.
Gilmour, J., M.B., M.S. Lectr. in *First Aid.*
Modern Languages
Girdlestone, C. M., M.A. Camb., L.-ès-L. Paris Prof. of French and Director of Dept.
Macgregor, Lilias, M.A. Edin., D. de l'U. Gren. (Fr. and Ger.) Lectr.
Vallette, Jean, L. ès L. Paris (Fr.) Lectr.
Tomlinson, Mme. Part-time Lectr.
Atkinson, W., M.A. Belf. Lectr. (Spanish).
Music
Whittaker, W. G., D.Mus., F.R.C.O. Lectr. and Reader in Choral M.
Naval Architecture
Welch, J. J., D.Sc., M.I.C.E., M.I.N.A. Prof.
Alexander, F. H., M.Sc., M.I.N.A. Reader.
Philosophy, Mental and Moral
..... Prof.
Alderson, Mrs., M.A. Aberd. Lectr.
Ewing, A. C. D., D.Phil. Temp. Lectr.
Physics
Curtis, W. E., D.Sc. Lond. Prof.*
Todd, G. W., M.A. Camb., D.Sc. Birm., M.Sc., F.Inst.P. Prof. (Expl. P.).
Bullerwell, J. W., M.Sc. Lectr.
Lunnon, R. G., M.A., B.Sc. Lond., M.Sc. Lectr.
Wood, J. F., M.Sc. Lectr.
Darbyshire, O., M.Sc. Manc. ,,
Religious Knowledge
Fletcher, Rev. M., M.A. Camb. and Durh., M.Sc. Lectr.
Fyffe, Rev. D., M.A. Edin. Lectr.
Secretarial Practice
Arkless, J. C., A.C.I.S. Lectr.
Veterinary Science
Stewart, W. L., M.R.C.V.S. Adviser.
Zoology, v. also Agric. [Prof.*
Meek, A., B.Sc. St. And., D.Sc.
Jorgensen, Olga M., M.Sc. Lectr.
Harrison, J. W. H., D.Sc. Lectr and Reader in Genetics.
Storrow, B., M.Sc. Naturalist at Marine Lab.
Gill, R., B.Sc. Bio-Chemist at Marine Lab.
Cowan, Mrs. D. Librarian at Marine Lab.

University Extension

Extra-Mural Organiser and Secretary of the Extension Board: H. E. R. Highton.
Tutors: J. Jewkes and E. D. M'Callum (Econ.); W. G.

* Also in Coll. of Med.

Whittaker (Music) ; The Regr. (Engl. and Psych.) ; T. D. Rutherford, M.A. (Philos.) ; S. Middlebrook, B.A. (Mod. Hist.) ; Miss G. E. M. Jebb (Econ.) ; J. Lochhead (Engl.) ; Mrs. Alderson (Psychology) ; F. G. Thomas, M.A. (Engl.).

GENERAL INFORMATION (see also p. 68)

LIBRARY, 47,000 vols. Access to Lit. and Philos. Society's 100,000 vols., and to library of N. of England Inst.M.M.E. Scientific periodicals subscribed for in co-operation with City Public Library. LABORATORIES with special facilities for research in Engineering and Hydraulics ; special branches of Chem., Physics, and Agric. ; Marine Biology (Dove Marine Lab., Cullercoats).

The Agric. Dept. controls and uses for teaching and research in Agric., Dairying, and Forestry several County and Crown estates, including Cockle Park (Northumberland) Agric. Exptl. Station.

ADMISSION. See Appendices XXI. and XXIII. For admission to study for the College Diploma (i.) in Agric., Mining, or Commerce, or for the Certificate in Fine Art, no regular entrance examn. is required ; (ii.) in Engineering or Naval Architecture an entrance examn. must be passed unless the student has passed some equivalent examn. (School Certificate standard in Extra Maths., Mechanics, Physics, and Chemistry) ; (iii.) in Fine Art an entrance examn. in English, and either French, or German, or Spanish is prescribed.

Complete COURSES for the Arts, Science, Law, and Commerce degrees and the Educn. Diploma of the Univ. The Applied Science courses are in Agriculture, Engineering (Mechanical, Marine, Civil, or Electrical), Naval Architecture, Mining, and Metallurgy. The Teachers' Training Dept. trains for both Elementary and Secondary School Work.

College Diplomas in Architecture (5 yrs.), Engineering (3 yrs.), Naval Architecture (3 yrs.), Mining (2 yrs.), Agric. (3 yrs. of 2 terms each), Fine Art (3 yrs.), Commerce (2 yrs.). College Certificate in Fine Art (3 yrs.). Short courses are provided in Agric. (6 weeks and 6 months) and Naval Architecture (6 months).

A *Tutorial System* is established in all Faculties. Each student is assigned on entry to a tutor, who is responsible for advising him on his course and generally looking after his interests.

FELLOWSHIPS, ETC. £300 for one year, open to a graduate in Science or Commerce ; £150 for two years, open to a graduate of any Faculty ; £150 for one year, open to a graduate in Science ; £150 for one year, open to a graduate in Arts ; £75 (two) studentships for one year, open to graduates of any Faculty. The total amount available for post-graduate fellowships, etc., is about £1800 p.a., including a Senior Research Fellowship established under the Research Fund (see next paragraph) of £400 p.a. available for one year.

RESEARCH FUND established in 1923 with endowment of £12,000. Administered by Standing Committees which allocate the interest of the fund as grants in aid of specific investigations by trained workers rather than for training persons in research.

FEES for Tuition for B.A. or B.Com., £30 p.a. ; B.Sc., £35 p.a. (in Engin., etc., £40) ; Diploma in Agric., £22 : 10s. ; in Teaching, £35 ; in Engin., etc., £40 ; in Fine Arts, £16 ; in Commerce, £5 : 10s. per subject (in evening classes, £3 a subject). Examns. for B.A. or B.Sc., £7 ; Students' Societies (men and women), £2 : 2s. Registration Annual (Degree students and some others), £2.

UNIVERSITY EXTENSION. Public lectures in the College include the annual Earl Grey Memorial and W. H. Charlton lectures, occasional lectures and short courses (winter programme issued in Oct.), lectures in French (Alliance Fran-

çaise), and popular Saturday evening lectures. Short courses in various centres in Agriculture and Forestry. Tutorial classes in 23 centres (most of the tutors are regular members of college staff).

PUBLICATIONS. *Calendar* (Sept.), 2s. 6d.; *Annual Report* (Oct.); *The Northerner* (Students'), 5 issues annually.

THE YEAR 1925–26

BENEFACTIONS. Lady Richmond, the oriental library of the late Miss Gertrude Bell. The Nizam of Hyderabad, £1000 for the purchase of books on India.

NEW BUILDINGS. Library opened by Sir Frederic G. Kenyon.

RETIREMENTS. Prof. H. Stroud (Physics), succeeded by Prof. Curtis from King's College, London; Prof. A. G. Latham (Mod. Langs.), succeeded by Prof. Girdlestone from Cambridge. DEATH: Prof. Hatton (Fine Art), succeeded by Prof. Dickey from Oundle School. RESIGNATIONS: Prof. A. S. Ferguson (Philos.) on appointment to Regius Chair of Logic, Aberdeen; G. Redington (Agric. Bot.), appointed Lectr. at Univ. of Aberdeen; C. F. Allpress (Chem.), apptd. to industrial post, succeeded by T. Iredale, from Univ. College, London; W. O. Brigstocke, apptd. Lectr. in Education, Univ. of Liverpool, succeeded by J. F. Duff, who returned to the post formerly held by him from an administrative post under Northumberland County Council; S. J. Davies (Engineering), apptd. Reader in Engineering, King's College, London; Miss E. Whitham (Mod. Hist.) on marriage, succeeded by A. B. C. Cobban from Cambridge; J. W. Rees (Spanish), apptd. Lectr. in Spanish, Univ. of Manchester, succeeded by W. Atkinson from Belfast Academy; G. Howie (Vet. Sc.), apptd. Chief Vet. Officer for County of Aberdeen; A. D. Peacock (Zoology), apptd. Prof. of Zoology, Univ. of St. Andrews; P. Ford (Extra-Mural Organizer and Lectr. in Economic Hist.), apptd. Lectr. in Economics, Univ. College, Southampton.

STUDENTS. Full-time: preparing for first degree, Pure Science, 183 (including 59 women), Arts 168 (w. 117), Civ., Mech., and Elec. Engin. 62, Marine 17, Naval Arch. 12, Mining 19, Metallurgy 1, Agric. 11, Commerce 10 (w. 4); graduate students in Pure Sc. 13, Education 100 (w. 56), other branches 5; other full-time students, Agric. 19, Mining 9, Education 2, Fine Art 74 (w. 60). Total full-time, 705 (w. 296). Resident in Hostels 54 (w.). From abroad: Scandinavian countries 4, Egypt 4, Spain 3, other countries 6.

Part-time: preparing for first degree, 14 (w. 1); diploma in commerce, 22 (w. 2); occasional, Pure Sc., 21 (w. 9), Naval Arch. 15, Agric. 74, Commerce 26 (w. 6), Fine Art 217 (w. 54), Law 24, Music 12 (w. 9). Total part-time, 437 (w. 87).

Extra-mural: 3-years' tutorial class students in English Lit. 171 (w. 96), Econ. 103 (w. 27), other subjects 187 (w. 85), Univ. Extension courses 283 (w. 96).

DEGREES OBTAINED: M.A., 11 (w. 4); B.A., 47 (w. 37); D.Sc., 2; Ph.D., 5; M.Sc. (Pure Science), 22 (w. 2); B.Sc. (Pure Science), 23 (w. 9); M.Sc. (Applied Science), 10; B.Sc. (Applied Science, 27; M.Com., 1; B.Com., 9 (w. 1).

EXTENSION WORK. Public lectures in the College included: a series in French under the auspices of the Alliance Française; the Earl Grey Memorial Lecture on "The Twilight of History," by Dr. D. G. Hogarth; the W. H. Charlton Memorial Lecture on "Modern French and Early Italian Painting," by J. D. Revel; and a series of popular Saturday Evening Lectures throughout the winter by various members of the staff.

UNIVERSITY OF LEEDS

VISITOR—H.M. THE KING.

CHANCELLOR—His Grace the DUKE OF DEVONSHIRE, K.G., G.C.M.G., G.C.V.O., LL.D.

PRO-CHANCELLOR—Col. C. H. TETLEY, D.S.O., M.A.

VICE-CHANCELLOR—J. B. BAILLIE, O.B.E., M.A. Camb., D.Phil. Edin., LL.D.

PRO-VICE-CHANCELLOR—Prof. J. W. COBB, C.B.E., B.Sc.

TREASURER—Hon. R. E. BECKETT.

DEANS OF FACULTIES. See under "General Information"—Faculties.

REGISTRAR—A. E. WHEELER, M.A.

ACCOUNTANT—E. J. BROWN, B.Com.

CLERK TO THE SENATE—F. T. BAINES, B.A.

DEAN OF WOMEN STUDENTS—Miss A. SILCOX, B.Sc. Lond.

LIBRARIAN—R. OFFOR, Ph.D. Lond.

PROFESSORS, LECTURERS, ETC.

Agriculture, v. also Vet. Hyg.

Seton, R. S., B.Sc. Edin. Prof.
McMillan, J. A., B.Sc. Edin. Lectr.
Robertson, G. C. A., M.A., B.Sc. Aberd. Lectr.
McGregor, J., B.Sc. Glas., N.D.A., N.D.D. Lectr. (Dairy Husbandry).
McVicar, A., B.Sc. Glas., N.D.A., N.D.D. Asst. Lectr. (Dairy Husbandry).
Paton, A., B.Sc., N.D.A., N.D.D. Asst. Lectr. (Dairy Husbandry).
Ruston, A. G., B.A., B.Sc. Lond., D.Sc. (Agric. Econ.) Lectr.
Preston, H., B.Sc. Asst. Lectr. (Agric. Eng.).
Dawe, C. V., M.Com. Asst. Lectr. (Agric. Econ.).
Anderson, O., B.Sc. Asst. (Farm Costings).
Galt, A. S. (Hortic.) Lectr. & Organizer.
McMillan, R., B.Sc. Stud. Asst. (Farm Costings).
Barrate, S., B.Sc.
Parton, F. W. (Poultry) Lectr.
Goode, C. W., N.D.A., N.D.D. Asst. Lectr. (Poultry).

Asst. Lectrs. and Demrs.:

Pilling, G. F., B.A. Camb., N.D.A.
Nicoll, W. B., B.Sc.

Dist. Lectrs.:

Thompson, H., B.Sc. Manc., B.Sc.
Strachan, J., M.A., B.Sc. Aberd., N.D.A.
Thompson, J. H., B.Sc. Durh.
Robb, J., B.Sc. Aberd.
Findlay, D. H., B.Sc., N.D.A., N.D.D.
Jardine, W. D. D., B.Sc., N.D.A., N.D.D.
10 Instrs. and Asst. Instrs. in Dairying, Hortic., Poultry, Farriery, and Bee-keeping

Agric. Botany

Millard, W. A., B.Sc. Bris. Lectr.
Jones, A. Powell, M.Sc. Asst. Lectr.
Burr, S., M.Sc. Asst. Lectr.
Chalmers, C. H., B.Sc. Edin., N.D.A. Asst. Lectr.
Hunter, R. E., B.Sc. Demr.

Burgess, R., B.Sc. Demr.

Agric. Chemistry
Comber, N. M., D.Sc. Lond., A.R.C.S., F.I.C. Prof.
Saint, S. J., B.Sc. Lond. Lectr.
Milne, G., B.Sc. Lectr.
Jones, H. Trefor, M.Sc., A.I.C. Asst. Lectr.
Wilcox, J. S., B.Sc. Lond.

Agric. Zoology
Taylor, T. H., M.A. R.U.I. Lectr.
Johnson, L. R., B.Sc. Asst. Lectr.

Anatomy [Prof.
Jamieson, J. Kay, M.B., C.M. Edin. (Dean of Med. Fac.)
Cave, A. J. E., M.B., Ch.B. Manc. Demr.
Inkster, R. G., M.B., Ch.B. Edin.
Morton, W. C., C.B.E., M.A., M.D. Edin. (H.).
Richardson, A., M.B. Lond., F.R.C.S. (C.)
Tasker, R. B., L.D.S., Hon. Demr. in A. for Dental Students.

Bio-Chemistry, v. Physiol.

Botany [Prof.
Priestley, J. H., B.Sc. Lond., F.L.S.
Curtis, Otis F., A.B., Ph.D. Cornell Visiting Prof.
Wager, H., D.Sc., F.R.S. (Mycology) Hon. Lectr.
Walker, N. (Morphol.) Lectr.
Pearsall, W. H., D.Sc. Manc. Reader.
Ewing, J., M.A., D.Sc. Aberd. Asst. Lectr.
Scott, Lorna I., B.Sc. Lond. Asst. Lectr.
Tetley, Ursula, M.Sc. Lond.
Steward, F. C., Ph.D. Demr. (Plant Physiol.).
Herklots, G. C. A., B.Sc. Leeds Demr.
Grist, Mrs., B.Sc. Lond. (H.).
Tupper-Carey, Miss R. M. Research Asst.

Chemistry, v. also Technology-Colour Chemistry.
Whytlaw-Gray, R. W., O.B.E., Ph.D. Prof.
Usher, F. L., B.Sc. Reader (Colloid Chem.).
Lowson, W., B.Sc. Lond., B.Sc., F.I.C. (Analyt. C.) Lectr.
Gregory, J. C., B.Sc., F.I.C. ,,

Asst. Lectrs. and Demrs.:
Topley, B., B.A. Ox.
Clark, C. H. D., B.Sc. Lond.
Hume, J., B.Sc., A.I.C.
Nonhebel, G., B.A. Ox. Demr.
Garrick, F. J., B.A. Ox. Demr.
Whitaker, H., M.Sc. (R.).

Chemistry, Physical
Dawson, H. M., B.Sc. Lond., Ph.D. Gies., D.Sc. Prof.
Burr, Mrs. M. S., D.Sc. Asst. Lectr. & Demr.
Marshall, C., B.Sc. Manc. Demr.

Chemistry, Organic [Prof.
Ingold, C. K., D.Sc. Lond., F.R.S.
Dutt, P. K., M.A. Calc., M.Sc., A.I.C. Asst. Lectr. & Demr.
Wightman, W. A., M.A. Ox. Asst. Lectr. & Demr.
Baker, J. W., M.Sc., Ph.D. Lond. Asst. Lectr. & Demr.
Burton, H., Ph.D. Lond., B.Sc. Sheff. Asst. Lectr. & Demr.
Goss, F. R., Ph.D. Lond. Demr.
Rothstein, E., Ph.D. (R.).
Ingold, Mrs. C. K., Ph.D. Lond (H.).

Classics [Prof. (Greek).
Ormerod, H. A., M.A. Ox.
Stewart, H., C.M.G., D.S.O., M.A. Camb. Prof. (Latin).
Bibby, E. E., M.A. Camb. Lectr.
Rattenbury, R. M., B.A. Camb. Asst. Lectr.

Commerce, v. Economics

Dental Science, v. *infra*

Economics
Jones, J. H., M.A. Wales Prof.

(C.) = Clinical Lectr. (H.) = Hon. Demr. (R.) = Research Asst.

Shimmin, A. N., M.A. Manc. Lectr.
Dower, R. S., M.A. Camb. (Social Organization) Lectr.
Taylor, J. R., M.A. (Ec. Hist.) Lectr.
McCarmick, A. (Acctcy.) Lectr.
Dickinson, H. D., B.A. Camb. Asst. Lectr.
Wilson, Miss Tutor.

Education
Strong, J., C.B.E., M.A. Lond., LL.D. St. And. Prof.
Welpton, W. P., B.Sc. Lond. Lectr.
Monahan, A. J., M.A. Lectr.
Wynn-Jones, Ll., Ph.D. Leip. (Expl. E.) Lectr.
Curtis, S. J., M.A. Lond. Asst. M. of Method.
Blackburn, Eliz. M., M.A. Lectr. and M. of Method.
Robson, Winifred F., M.A. Liv. Asst. M. of Method.
Holgate, Jane, B.A. Asst. Lectr.
Newcomb, Edith, M.A. Asst. Lectr.
Petch, F., M.Sc. Asst. Lectr.
Hoggett, T. J., Mus.B. Durh. Music, etc.

Engineering, Civil and Mech.
David, W. T., M.A., Sc.D. Camb., D.Sc. Wales, M.I.C.E., M.I.Mech.E. Prof.
Gilchrist, J., B.Sc. Edin., A.M.I.C.E. Lectr.
Naylor, T. M., M.Sc. Manc., A.M.I.C.E., A.M.I.Mech.E. Asst. Lectr.
Colles, C., B.Sc. Manc., A.M.I.Mech.E. Asst. Lectr.
Davies, W., B.Sc. Wales Demr.
Richardson, S. G. Asst. Lectr.
Abel, A. G., B.Sc. St. And. Demr.
Evans, R. H., B.Sc. Manc. Demr.

Engineering, Elec. [Prof.
Wheatcroft, E. L. E., M.A. Camb.
French, W. E., A.M.I.C.E., M.I.E.E. Lectr.
Stuart, W. S., B.Eng. Liv., M.Eng., A.M.I.E.E. Asst. Lectr. & Demr.

English Lang. and Lit.
Abercrombie, Lascelles, M.A. Liv. Prof. (Lit.).
Gordon, E. V., M.A. Ox. Prof. (Lang.).
Cowling, G. H., M.A. Reader.
Baxter, F. W., M.A. Ox. Lectr.
Childe, W. R., M.A. Ox. Asst. Lectr.

French (and Romance Philol.)
Barbier, P., M.A. Lond. Prof.
Gunnell, Doris, M.A., D. de l'U. Paris Lectr.
Murray, Jessie, M.A. St. And. Asst. Lectr.
Inebnit, J. P. Asst. Lectr.
Benn, T. V., Ph.D. Temp. Asst. Lectr.

Geography
Fawcett, C. B., B.Litt. Ox., D.Sc. Lond. Reader.
Williamson, A. V., B.A. Liv. Asst. Lectr.
Morgan, M. Kathleen, B.Sc. Wales Asst. Lectr.

Geology
Gilligan, A., D.Sc., F.G.S. Prof.
Versey, H. C., M.Sc. Lectr.
Hudson, R. G., M.Sc. Lond., F.G.S. Asst. Lectr.
Raistrick, A., Ph.D. (R.).

German Lang. and Lit.
Gough, C. E., Ph.D. Basle Prof.
Caldwell, Mary C., B.A. Asst. Lectr.
Scott, Alice, M.A. Lond. Asst. Lectr.

Histology, v. Physiology

History
Grant, A. J., M.A. Camb. Prof.
Thompson, A. Hamilton, M.A., D.Litt., F.S.A. Prof. (Mediæval H.).

(R.) = Research Asst.

Hight, J., M.A., Litt.D. (Canterbury Coll., N.Z.) Visiting Prof.
Dainton, A. H., M.A. Ox. Asst. Lectr.
Richardson, G. W., M.A. Lond. Asst. Lectr.
History, Eccles. (Recognized Teacher)
Underwood, A. C., M.A., B.Litt., B.D., at Rawdon Coll.

Law
Hughes, J. D. I., M.A., B.C.L. Ox. Prof.

Lectrs. :
Haggen, G. L., M.A. Ox., B.C.L.
Burnham, R. E., B.A., B.C.L. Ox. Lectr.
Burrill, H. R., LL.B. Lectr.
Jennings, W. Ivor, B.A. Camb. Lectr.

Mathematics
Milne, W. P., M.A. Camb., D.Sc. Aberd., M.A. Prof.
Brodetsky, S., M.A. Camb., Ph.D. Leip. Prof. (Appd. Maths.).
Ingham, A. E., M.A. Camb. Reader (Math. Analysis).
Gilham, C. W., M.A. Camb., B.Sc. Lond. Lectr.
Smeal, G., B.Sc. Melb. (Graphics, etc.) Lectr.
Gabriel, R. M., B.A. Camb. Asst. Lectr.
Stoneley, R., M.A. Camb. Asst. Lectr. in Appl. M.

Medicine and Surgery, v. *infra*

Metallurgy, v. Tech.

Mining
Ritson, J. A. S., D.S.O., B.Sc. Durh., M.I.Min.E. Prof.
Brown, T., M.Sc., M.I.Min.E., A.M.I.C.E. Lectr. in Mine Surveying.
Williamson, J. N., Ph.D., B.Sc. Edin. Asst. Lectr.
Bentham, J. Colliery Electrician.

Philosophy
Gillespie, C. M., M.A. Ox. Prof.
Hallett, H. F., M.A. Edin. Lectr.

Physics
Whiddington, R., M.A., D.Sc. Camb., F.R.S. Cavendish Prof.
Allen, A. O., M.A., B.Sc. Lond., A.R.C.S. (Optics) Lectr.
Stoner, E. C., B.A., Ph.D. Camb. Lectr.

Asst. Lectrs. & Demrs. :
Ewles, J., M.A. Camb.
Long, F. A., B.Sc. Lond.
Pike, S. R., B.A. Ox.
Brown, D., B.Sc. Bris. Demr.
Brett, G. F., Ph.D. (R.).
2 Asst. Demrs.

Physiology and Histology
McSwiney, B. A., B.A., M.B., Ch.B. Dubl. Prof.
Winfield, G., M.A. Camb. Lectr.
..... Demr. in P.
Wormall, A., B.Sc. (Bio-Chem.), A.I.C. Lectr.
Davies, H. W., M.B., B.S. Adelaide Lectr.
Dawson, E. R., B.S. Demr. (Bio-Chem.).
Wadge, W. Joan, B.A. Camb. (R.).
Flint, E. R., M.B., Ch.B., F.R.C.S. (H.) (C.).

Russian Lang. and Lit.
..... Prof.
Kolni-Balozky, J. Lectr.

Russian History and Music
Frere, W. H., D.D. (H.).

Spanish Lang. and Lit.
..... Prof.
Penzol, P. Lectr.
de Irizar, Augustin Asst. Lectr.

Technology, v. *infra*

Veterinary Hygiene
Bowes, H. G., F.R.C.V.S. Lectr.

(C.) = Clinical Lectr. (H.) = Hon. Demr. (R.) = Research Asst.

Zoology, v. also Agric. [Prof.
Garstang, W., M.A., D.Sc. Ox.
Percival, E., B.Sc. Lectr.
King, Mrs. W. O. R., B.Sc.
Asst. Lectr. & Demr.
Brown, F. J., M.Sc.
Asst. Lectr. & Demr.
Taylor, A. W., B.Sc.
Asst. Demr. & Curator.
Platt, Margery, M.Sc. Asst. Demr.
Dymond, Muriel G., B.Sc. (R.).

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

Anæsthetics
Rowling, S. T., M.B. Vict., M.D. Lectr.

Bacteriology, v. Path.

Cancer, v. Path.

Forensic Med.
Eurich, F. W., M.D., C.M. Edin. Prof.

Gynæcology, v. also Obst.
Gough, W., B.Sc., M.B., B.S. Lond., F.R.C.S. Lectr. (C.).
..... Demr. (H.) (C.).

Infectious Diseases
Pearson, A. E., M.R.C.S., L.R.C.P. (C.).

Materia Med., v. Therap.

Medicine and Clin. Med.
Telling, W. H. Maxwell, M.D. Lond., F.R.C.P. (C.) Prof.
Watson, G. W., M.D. Lond., F.R.C.P. (C.) Prof.
Vining, C. W., M.D. Lond., D.P.H. Lectr.
Moll, H. H., M.D., M.R.C.P. Med. Tutor and Registrar.

Mental Diseases
Bolton, J. S., M.D., D.Sc. Lond., F.R.C.P. Prof.

Obstetrics and Gynæcology
Oldfield, C., M.D. Lond., F.R.C.S. (C.) Prof.
Young, W. M., M.A., M.D. Glas. (C.).
Adamson, Mrs. R., M.D., B.S. Lond. Lectr. (Obst.) (C.).
Croft, E. O., M.D. Durh. (C.).
Claye, A. M., M.B., Ch.B., M.R.C.S., L.R.C.P. Tutor.

Ophthalmology
Lee, H., B.A., M.B., B.Ch. Camb., F.R.C.S. (C.) Lectr.
Lodge, S. D., F.R.C.S. (C.) Lectr.

Otology
Bain, E. W., M.B. B.S. Lond., F.R.C.S. (C.) Lectr.
Munby, W. M., Ch.M. Edin., F.R.C.S. (C.).

Pathology & Bacteriology
Stewart, M. J., M.B., Ch.B. Glas. (C.) Prof.
McLeod, J. W., O.B.E., M.B., Ch.B. Glas.
Brotherton Prof. of B.
Passey, R. D., M.D., B.S., D.P.H. Lond.
Prof. Exper. Path. and Dir. *Cancer Research.*
Fowweather, F. S., M.Sc., M.B., Ch.B. Liv.
Lectr. (Chem. Path.).
Gordon, J., M.D., D.P.H. Lectr. in B.
Taylor, A. L., M.D. Lectr. in P.
Sutherland, P. L., M.B., Ch.B. Glas., D.Sc.
Lectr. (Path. of *Industrial Diseases*).
Happold, F. C., M.Sc. Manc. Demr.
Hickman, Miss E. M., M.Sc., M.D. Demr.
Cattley, R., M.B., C.M. Edin., B.Sc., D.P.H. Camb.
Hon. Fellow.
Ruston, E. T., M.B., Ch.B. Demr. (H.) in Med. P.
Burrow, J. le F. C., M.B. Edin. (C.) (H.) in Med. P.

(C.)=Clinical Lectr. (H.)=Hon. Demr. (R.)=Research Asst.

Coupland, J. A., M.B., B.S. Lond., F.R.C.S. (C.) (H.) in Surg. P.
Stewart, Mrs., M.B., B.S. Lond. (H.).
Young, J. S., M.B., Ch.B. Glas. Lectr. in Exp. Path. and Asst. Dir. of *Cancer Research*.
Channon, H. J., M.Sc. Lond. Lectr. (Bio-Chem.).
Bonser, Mrs. K. J. Cancer Fellow.
Collinson, G. A., M.Sc. Cancer Fellow.

Pharmacology
..... (H.).

Pharmacy, v. Therap.

Public Health, v. also Path.
Jervis, J. J., M.D. Edin., D.P.H. Lond. Prof. of P.H. Admn.
..... Demr. (H.).

Radiology and Electro-Therapeutics [Lectr.
Scargill, H. B., M.B., B.S. Lond.
Cooper, M. G., B.A., M.D. Belf. Lectr.

Surgery and Clin. Surg.
Moynihan, Sir Berkeley G. A., Bart., K.C.M.G., C.B., M.S. Lond., F.R.C.S. Prof.
Coupland, J. A., M.B., B.S. Lond., F.R.C.S. (H.).
Symons, H. W., M.B., Ch.B., F.R.C.S. Clin. Asst.
Chamberlain, D., F.R.C.S., M.B., Ch.M. Clin. Asst.
Daw, S. W., M.B., B.S. Lond., F.R.C.S. Lectr. in Orth. S. (C.).
Braithwaite, L. R., M.B. Manc., F.R.C.S. Director of Surg. Research (C.).

Surgery, Clinical
Collinson, H., C.B., C.M.G., D.S.O., T.D., M.B., M.S. Lond., F.R.C.S. Prof.
Dobson, J. F., M.S. Lond., F.R.C.S. Prof.
Moir, P. J., M.C., M.B., Ch.B., F.R.C.S. Lectr. (C.),

Therapeutics, Pharm., and Mat. Med.
Veale, R. A., B.A. Ox., M.D. Lond., F.R.C.P. (Lectr. in Clin. Med.) Prof. of Therapeutics.

Vaccination
Greaves, F. W. M., M.B. Manc., D.P.H. Instr.

Venereal Diseases
Bibby, J. P., M.B. (C.).

Dental Science

Dental Anatomy and Physiology
Mawer, J. W., L.D.S. Lectr. & (C.).
Crawford, J. K., L.D.S. (H.) (C.)

Dental Mechanics
Rippon, C., L.D.S. Lectr.
Watt, G. V., L.D.S. Tutor

Dental Metallurgy
Lowson, W., B.Sc. Lond., B.Sc., F.I.C. Lectr.

Dental Pathology & Bacteriology
Child, C. H., M.B.E., D.D.S. (H.).

Dental Radiology
Scargill, H. B., M.B., B.S. Lectr.

Dental Surgery
Phillips, G. A., L.D.S. Lectr. & (C.).

Other Lecturers:
Hey, S. D., L.D.S. (C.).
Leigh, P. T., L.D.S. (C.).
Marston, W., L.D.S. (C.).
Saville, D., L.D.S. (C.).
Mawer, J. W., L.D.S. (C.).
Thorburn, W. S., L.D.S. (C.).
Iles, G. D., L.D.S. (C.).
Wilkinson, G. L., L.D.S. (C.).

(C.) = Clinical Lectr. (H.) = Hon. Demr.

Harris, W. S., L.D.S. (C.).
Sykes, J. G., B.Ch.D. Tutor.

Hon. Anæsthetists:
Legge, J. H., M.B., B.S., B.Sc. Lond.
Sykes, W. S., M.B., Ch.B. Camb., D.P.H.
3 Hony. Clin. Tutors

Dentistry, Clinical
Purcell, E. C., L.D.S. Demr.
Peel, J. L., L.D.S. Prosth. Demr.

Technology, v. also Agr., Engin., Mining

Coal, Gas, and Fuel Industries with Metallurgy
Cobb, J. W., C.B.E., B.Sc. Lond., B.Sc., F.I.C. Livesey Prof.
Hodsman, H. J., M.B.E., M.Sc., F.I.C. (Gas Chem.) Lectr.
..... (Refractory Materials) (R.) & Asst. Lectr.
Summers, P. F., A.R.S.M. (Metall.) Asst. Lectr.

Research Chemists:
Wood, J. W., M.Sc. Tech. Manc., A.I.C. (Gas Research).
Parker, A., D.Sc. Birm., M.Sc., F.I.C. (Gas Research).
Kerr, H. (Gas Research), A.I.C.
Monkhouse, A. C., Ph.D., A.I.C. (Gas Research).
Howarth, G. B., M.Sc., A.I.C. (Gas Research).
Hoffert, W. H., M.A., B.Sc. Ox., A.I.C. (Benzole Research).
Claxton, G., M.Sc. (Benzole Research).
Marson, C. B., Ph.D., M.Sc., A.I.C.

Colour Chemistry and Dyeing
Rowe, F. M., D.Sc., F.I.C. Prof.
Forster, R. B., A.R.C.S.I., Ph.D., D.Sc., F.I.C. Lectr. in Colour Chem.
King, P. E. (Dyeing) A.I.C. Lectr.
Cross, E. J., B.Sc. Asst. Lectr.
Levin, Esther, M.Sc. (R.).

Leather Industries
McCandlish, D., M.Sc. (Applied Chem.) Prof.
Atkin, W. R., M.Sc. Lectr.
Thompson, F. C., M.Sc. Lectr.
Salt, H., M.Sc., A.I.C. Demr.
2 Assts.

Procter International Research Laboratory:
Procter, H. R., D.Sc., F.R.S., F.I.C. Hon. Director.
Thompson, F. C., M.Sc. (R.).

Textile Industries
Barker, A. F., M.Sc. Prof.
Hollis, T. Lectr.
Yewdall, A. Lectr.
Pickles, F. Lectr.
Speakman, J. B., M.Sc. Manc. ,,
Farley, W. A. Asst. Lectr.
Priestley, G. Asst. Lectr.

University Extension
Staff Tutors: Dainton, A. H., M.A. Ox.; Gibson, G. W., M.A.; Shimmin, A. N., M.A. Manc.; Stewart, D., M.A. N.U.I.; Taylor, J. R., M.A. Edin.; Walker, N.; Williams, J. R., B.A.

(C.) = Clinical Lectr. (R.) = Research Asst.

AFFILIATED COLLEGES

College of the Resurrection, Mirfield (Warden—G. Rees, M.A.) and Rawdon College (Principal—W. E. Blomfield, B.A., B.D.). Students are exempt from attendance at the Univ. in the first of the 3 yrs. of study for the B.A. degree.

TECHNICAL COLLEGE, HUDDERSFIELD (Prin.—J. F. Hudson, M.A., B.Sc.). Similar exemption for B.A., B.Sc. (including Engin.), and M.B. and Ch.B.

DIOCESAN TRAINING COLLEGE, YORK. Similar exemption for the B.A. and B.Sc.

PRINTING DEPARTMENT OF THE LEEDS CENTRAL TECHNICAL SCHOOL. Affiliation granted with a view to the recognition of classes as part of the course for the degree of B.Com.

GENERAL INFORMATION

The Leeds School of Medicine, founded 1831, and Yorkshire College, established as a College of Science in 1874, were united in 1884. The College formed part of the Victoria Univ. from 1887 to 1904, when a Univ. was established by Royal Charter in the city of Leeds.

LIBRARY, including that of the Medical School, about 98,000 books, 24,000 pamphlets. Besides the General Library, there are separate rooms devoted to Science, English, French, German, Classics, Economics, Philosophy, History, Law and Music. Special collections : (*a*) MSS. about Broad Cloth Act of 1740 and illustrating developments in textile industry about 1800 ; (*b*) 500 vols. in French on Great Britain, printed before 1801 ; (*c*) 264 vols. contemporary records (Journal Officiel, newspapers of Metz, Strasbourg, and Nancy, etc.) of political events in France during 1870 and 1871.

MUSEUMS : Anatomy, Dyeing, Materia Med., Path., Textile, Zool. LABORATORIES : Agricultural Chemistry, Botany, Chemistry, Colour Chem. and Dyeing, Engin. (Elec., Civ., Mech.), Geol., Leather Industries (including Procter Internat. Research), Maths., Metallurgy, Mining, Path. and Bacteriology, Cancer, Physics, Physiol., Textile (116 looms), Zool. OBSERVATORY, 18½" reflector telescope. FARM, 312 acres, including Dairy School ; Research farm, 350 acres, near Scarborough. HOSPITALS available for Clinics : Infirmary (520 beds) and several others ; Asylum (2000 inmates).

FACULTIES. Arts (including Economics and Law), Science, Technology [including Agric., Coal Gas and Fuel with Metallurgy, Colour Chemistry and Dyeing, Engineering (Civ., Elec., Mech.), Leather Industries, Mining, Textile Industries], Medicine (including Dentistry). *Deans* : Profs. Strong (Educn.), Whiddington (Science), David (Technology), Jamieson (Medicine).

In connexion with each of the technological departments there is an Advisory Committee, which includes representatives of the industry concerned.

MATRICULATION. See Appendices XXI. and XXIII. An *Overseas Students'* Committee has been appointed.

DEGREES. Obtainable after a 3 yrs.' course starting from matricn.—B.A., B.Sc. (Honours degree usually 4 years), B.Com. (which may be taken with an Applied Science as one of the principal subjects : 3 yrs. for degree, or 4 yrs. including Diploma of Printing Dept. of Leeds Tech. Sch.) ; LL.B. ; after 5½ to 6 yrs., M.B., Ch.B., B.Ch.D.

Subject to a minimum attendance in this Univ. of 2 yrs., members of other Univs. requiring 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.

Mining students receive practical instruction in mines under arrangements made with local owners, but the courses are not intended to supersede the usual apprenticeship.

Honours students of (1) French and (2) German normally spend the 3rd term of the 2nd year at (1) the Univ. of Caen, (2) a Univ. where the medium of intercourse is German.

Honours in Gas Engineering or Fuel and Metallurgy involve 1 yr. of research or special study after taking the ordinary degree; in Leather Manuf., 4 yrs.' study.

Supplementary Textile studies may be combined with a B.A. or 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. M.A., LL.M., M.Com., M.D., Ch.M., 1 yr.; M.Ed., M.Sc., 2 yrs. (for holders of Hons. B.Sc., 1 yr.) after the bachelorship. Graduates of approved Univs. (all the chief Univs. of the world, including institutions recognized by the Assocn. of Amer. Univs., v. App. XXV.) may obtain the M.A., Ph.D. (v. p. 18), or M.Sc. by 2 yrs. of research. M.A., Ph.D. or M.Sc. of this Univ. may obtain the Litt.D. or D.Sc. 6 yrs. after the bachelorship.

Graduates of other Univs. who have been admitted to degrees of equal or similar rank in Leeds may, in proceeding to higher degrees, count their standing as graduates from the date of original graduation.

DIPLOMAS. In Education (grads.) or Ed. Admn., 1 or 2 yrs. In Social Organization and Public Service, 2 yrs. In Engin., Fuel and Metall., Dyeing, Textiles, Leather, 3 yrs., reducible under certain conditions to 2. In Gas Engin. or Fuel and Metall., special for graduates, 1 yr.; for apprentices, part-time, 4 yrs. In Colour Chem. and Dyeing, for apprentices, part-time, 5 yrs. In Public Health, 12 mos. In Psych. Med., 6 mos. In Nursing, involving 4 yrs.' hospital training and 3 mos.' lectures. In Dent. Surg., 4 yrs., including 2 in Univ. In Commerce, 1 yr. (postgrad.).

Agric. Students are prepared for the National Diploma.

EVENING COURSES for advanced students in Technological subjects are conducted in co-operation with the Leeds and West Riding Education Committees.

FEES. Matricn., £2. Registration, £2. Composition fees for tuition (including Union): Arts, £33 a session; Science, £41; Technology, £45; Agric. (other than degree students, who pay the Technol. fee in the 2nd and 3rd yrs.), winter course, £20, summer course, £10; Law courses, 11 gs. a session. Course for Dipl. in Educn., £42 p.a.; Dipl. in Social Organization, £26 p.a. Medicine: complete course for M.B., including hospl. practice, £215. Dentistry (including hospl. practice and pupilage): Dipl., £234; Degree, £252 (under revision). Research fee, £12 a session. Examns.: Arts, Science, etc., £6; Medicine (including graduation), £18; Dentistry, B.Ch.D., £16; L.D.S., £16. Graduation fee, £7.

SCHOLARSHIPS, ETC., FOR GRADUATES. Fellowships, £200 for one year, renewable, for research in Gas, and £100, renewable, in Col. Chem.; £150 for 3 yrs. for Textile Research (preference to graduates in Science or Tech. and to natives or residents of Bradford, but not restricted to members of Leeds Univ.); also £150 for 2 yrs. for research and advanced study; £150 for 2 yrs. for research in English, or History, or Economics; £70 Scholp. for research in Arts Faculty; £120 for higher Humanistic study, for graduates of Leeds or Sheffield; £45 for advanced study in Greek or Latin; £60, Colour Chem. and Dyeing; £20 (three), in Textile Dept.; £25, Forensic Med. and Hygiene.

RESIDENCE. One hostel for 120 men and 4 for women. Fees, men £64, women £54 to £63 per session of 32 weeks. A site of 160 acres on the outskirts of the city has been acquired for hostels for men and women students.

An OLD STUDENTS' Assocn. was formed in 1923.

UNIVERSITY EXTENSION. Lecture courses and Tutorial classes are provided in co-operation with the Workers' Educnl. Assocn. and Local Education Authorities, and an Annual Summer School in connexion therewith was instituted in 1919.

Summer Schools are arranged from time to time. History at York in 1927.

In connexion with the Agric. Dept. a considerable part of the time of lecturers of the Univ. is devoted to work in local centres.

PUBLICATIONS. *Calendar* (Sept.), 4s.; *The Training of Professional Engineers*; Annual Reports of the Univ. and of Tech. Depts.; *Gryphon*, 3s. annually (students' magazine); *Union Handbook*; General prospectus and prospectuses of various Depts.

THE YEAR 1925–26

BENEFACTIONS. Donations and promises amounting to £288,785 in response to appeal for half-a-million for new buildings; £197 : 10 : 6 from the Committee of the Prof. J. B. Cohen Testimonial Fund for endowment of Prize in Pure Chemistry; £2000 from Miners' Welfare District Fund for Mining equipment; £100 from British Wool Federation and £25 from Worsted Spinners' Federation, Ltd., towards cost of Wensleydale Sheep-breeding experiments; many gifts to Library (including collection of 1100 vols. from All Souls' College), and machinery, apparatus, materials, etc., to various Depts.

NEW BUILDINGS AND EQUIPMENT. Extension of two hostels for women; new lay-out for athletic grounds, new Dental School and hospital; temporary premises for Cancer Research; extension of University Working Men's Club; various adjustments of accommodation to relieve existing Depts. and Library. Purchase of property for increase of site.

NEW POSTS. Chair of Experimental Pathology (Director of Cancer Research) and Electrical Engineering; Reader in Colloid Chemistry; Lecturer in Pathology; Asst. Lectureships in French, Spanish, Organic Chemistry, Mining and Poultry-Keeping. Demonstratorships in Chemistry, Physical Chemistry and Botany; Research Asst. in Physics, Instructor in Bee-keeping, and three assistant Librarians.

CHANGES IN REGULATIONS, ETC. M.Com. degree instituted; medical curriculum revised and extended to 5½ or 6 years; Russian added to subjects for Hons. in Mod. Langs.

UNIVERSITY EXTENSION COURSES at 13 centres, 45 Tutorial Classes; and Tutorial Class Summer School at Ambleside. Summer Course in Educational Administration in August; 4 courses of public lectures in Univ.; 14 single public lectures and 10 music recitals.

OTHER DEVELOPMENTS AND SPECIAL EVENTS. Establishment of Dept. of Cancer Research with help of Yorks. Council for the Cancer Campaign; institution of fund for necessitous students. Appeal for £500,000 for new buildings inaugurated by H.R.H. the Duke of York on Oct. 23.

VISITS OR INTERCHANGES. Prof. of Pathology (Prof. Stewart) visited Canada and U.S.A. to inspect laboratories, etc. Prof. of Textile Industries (Prof. Barker) visited Peru to report on wool-growing—Dr. Pearsall (Reader in Botany) exchanging for a session with Prof. Curtis of Cornell Univ., New York.

CHANGES IN PROFESSORIAL STAFF. Prof. E. V. Gordon (English) in

succession to Prof. Tolkien (Exeter Coll., Oxford); Hugh Stewart (of Canterbury Coll., N.Z.), Prof. of Latin, in succession to B. M. Connal (retired); F. M. Rowe (School of Tech., Manchester), Prof. of Col. Chem. and Dyeing, in succession to A. G. Perkin (retired); B. A. McSwiney (Manchester Univ.), Prof. of Physiology, in succession to W. F. Shanks (deceased); R. D. Passey (Welsh School of Med., Cardiff), apptd. Prof. of Exp. Pathology and Director of Cancer Research.

HONORARY DEGREES. *LL.D.*—Mr. D. Milne Watson; *D.Sc.*—Emeritus Prof. P. F. Kendall.

OTHER DEGREES. B.A., 73 (including 47 women); B.Com., 4; LL.B., 8; M.A., 10 (w. 2); M.Ed., 3; M.Com., 1; Ph.D. (Arts), 2; B.Sc., 118 (w. 17); M.Sc., 65 (w. 15); Ph.D. (Science), 11; D.Sc., 3; M.B., Ch.B., 42 (w. 5); M.D., 6; Ch.M., 1.

STUDENTS. Full-time: total, 1372 (including 366 women); advanced (research and graduate) in Arts 9 (w. 1), Pure Science 25 (w. 1), Tech. 18 (w. 1); graduating, in Arts 328 (w. 168), Pure Sc. 242 (w. 67), Med. 259 (w. 29), Tech. 113, Agric. 17 (w. 1); diploma, Arts 164 (w. 93), Med. 76 (w. 4), Tech. 82, Agric. 38. Resident in hostels, 286 (w. 168).

Part-time: total, 238 (w. 66); advanced 14 (w. 2); graduating 7; diploma Arts 89 (w. 19), Pure Sc. 13 (w. 2), Med. 27 (w. 5), Tech. 32, Agric. 37 (w. 26).

UNIVERSITY OF LIVERPOOL

VISITOR—H.M. THE KING.

CHANCELLOR—Rt. Hon. the EARL OF DERBY, K.G., G.C.B., G.C.V.O., LL.D.

PRO-CHANCELLORS—H. R. RATHBONE, LL.D., M.A.; H. WADE DEACON, C.B.E.

ACTING VICE-CHANCELLOR—Prof. L. R. WILBERFORCE, M.A.

VICE-CHANCELLOR (designate)—H. J. W. HETHERINGTON, M.A.

TREASURER—C. SYDNEY JONES, M.A.

DEANS OF FACULTIES. See under " General Information "—Faculties.

REGISTRAR—EDWARD CAREY, LL.B.

BURSAR AND ASSISTANT REGISTRAR—S. PRYCE PARRY, M.A.

LIBRARIAN—J. SAMPSON, M.A., D.Litt.

PROFESSORS, LECTURERS, ETC.

Anatomy [Derby Prof.
Wood, W. H., B.Sc., M.D. Manc.
Nuttall, H. C. W., F.R.C.S., D.P.H. Lectr. (Applied Surg. A.).
Johnson, W., M.D. Lond., F.R.C.P. Lectr. (Applied Med. A.).
Broad, W. H., M.D. (Physical Anthropology) Lectr.
Stibbe, E. P., F.R.C.S. Lectr. & Sr. Demr.
2 Hon. Asst. Demrs.

Archæology, v. also Palæog. and Associated Institutions
Droop, J. P., M.A. Camb. (Classical A.) C. W. Jones Prof.
Peet, T. E., M.A. Ox. (Egyptology) Brunner Prof.
Garstang, J., D.Sc., M.A., B.Litt. Ox., F.S.A. (Methods and Practice of A.) Rankin Prof.
Barnard, F. P., M.A., D.Litt. Ox., F.S.A. (Mediæval A.) Reader.
Newberry, P. E., M.A. (Egyptian Art) Reader.

Architecture, v. also Civ. Design, Engin.
Reilly, C. H., O.B.E., M.A. Camb., F.R.I.B.A. Roscoe Prof.
Budden, L. B., M.A., A.R.I.B.A. Assoc. Prof.
Marshall, J. E., B.Arch., A.R.I.B.A. (Building Constrn., etc.) Sr. Lectr.
Cole, E. R. F., B.Arch., A.R.I.B.A. (Rendering, etc.) Lectr.
Scott, Sir Giles G., LL.D., R.A., F.R.I.B.A. (Eccl. Archit.) Reader.
Miller, B. A., A.R.I.B.A. (Design) Lectr.
Williams, J. (Constrn.) Lectr.
Dougill, W., M.A., B.Arch., A.R.I.B.A. Jr. Lectr.
Allen, C. J. (Modelling) Recog. Teacher.
Penn, W. C., R.O.I. (Drawing from the Life) Instr.
Smith, H. Tyson Hon. Instr. in Craftsmanship

Art of the Theatre
Brown, Ivor J. C., B.A. Ox. Shute Lectr.

Astronomy
Plummer, W. E., M.A. Ox., F.R.A.S. Reader.

Bacteriology, v. Med.

Bio-Chemistry
Ramsden, W., M.A., D.M. Ox. Johnston Prof.
Coope, R., M.D., Ch.B., B.Sc. Lectr.
Crawford, A. C., M.B., Ch.B. Johnston Colonial Fellow.

Botany
Thompson, J. McLean, M.A., D.Sc. Glas., F.L.S. H. Gaskell Prof.
Knight, Margery, D.Sc., F.L.S. Sr. Lectr.
Demrs. and Lectrs. :
Stirling, J., B.Sc. St. And.
Mathias, W. T., B.Sc.
Horton, W. Hon. Lectr. in Plant Path.

Chemistry, v. also Bio-C.
Baly, E. C. C., C.B.E., M.Sc., F.R.S. (Inorg. C.) Grant Prof.
Heilbron, I. M., Ph.D. Leip., D.Sc. Glas., F.I.C. H. Harrison Prof. (Org. C.).
Lewis, W. C. McC., M.A. Belf., D.Sc., F.Inst.P. (Physical C.) Brunner Prof.
Hilditch, T. P., D.Sc. Campbell-Brown Prof. (Industrial Chem.—Fats, Waxes and Oils).
Senr. Lectrs. :
Kay, F. W., M.Sc. Manc., Ph.D. Berl. (Applied Organic C.)
Guthrie, F. C., M.A. (Inorg.).
Lectrs. and Demrs. :
Edwards, D. M., B.Sc. (Inorg.).
Griffith, R. O., M.Sc., A.I.C. (Phys.).
Shutt, W. J., M.Sc. (Phys.).
M'Keown, A., M.Sc., A.I.C. (Phys.).
Doran, W., M.Sc., A.I.C. (Organ.).
Keffler, L. P. G., M.Sc. (Inorg.).
Nance, J. T., M.A. ,,
Occleshaw, V. J., M.Sc., A.I.C. (Inorg.).
Morton, R. A., Ph.D., B.Sc., A.I.C.
McGookin, A., Ph.D., B.Sc. (App. Org.).
Rogerson, H., M.Sc. Vict., F.I.C. (Inorg.). Demr.

Chemistry, Pub. Health
Roberts, W. H., M.Sc., F.I.C. Assoc. Prof.
Jones, E. Gabriel, M.Sc., F.I.C. Lectr.

Civic Design
Abercrombie, L. P., M.A., A.R.I.B.A. Lever Prof.
Special Lectrs. :
Prof. Hope (Hygiene).
Brodie, J. A., Assoc. Prof., M.Eng., Past Pres. Inst.C.E., M.I.Mech.E. (Civic Engin.).
Kelly, S. A., F.S.I. (Civic Engin.).
Ward, H. B., M.Sc., M.Eng., A.M.I.C.E. (Civic Engin.).
Mattocks, R. H. (Landscape Design).
Clark, J. J., M.A. (Law of Housing and Town Planning).
Dougill, W., M.A., B.Arch., A.R.I.B.A. Research Fellow.

Classics
Campbell, A. Y., M.A. Camb. (Greek) Gladstone Prof.
Gillies, M. M., Ph.D. Edin., B.A. Camb. Junr. Lectr.
Slater, D. A., M.A. Ox. (Latin) Prof.
Noble, P. S., M.A. Aberd., B.A. Camb. Lectr. (Latin).
Chapman, Dorothy, M.A. St. And. Spl. Lectr.
Onians, R. B., M.A., Ph.D. Spl. Lectr. (Latin).

Commerce [Chaddock Prof.
Dewsnup, E. R., M.A. Manc.
Dumbell, S., M.A. Lectr.
Miller, Margaret S., M.A., B.Com., Ph.D. Jr. Lectr.

Taggart, P., F.S.A. (Accountancy) Spl. Lectr.
Williams, A. (Banking) Spl. Lectr.

Dentistry, v. *infra*

Economic Science, v. also Com.
..... Brunner Prof.
Macdonald, R. A., M.A. Lectr. in charge.
Burn, D. L., B.A. Temp. Lectr. in Ec. Hist.
Parry, Eliz. A., M.A. Tutor.

Education, v. also Hist., Music, Physics
Campagnac, E. T., M.A. Ox. Prof.

Senr. Lectrs.:
Paget, G. W., M.A. Camb.
Brigstocke, W. O., B.A. Lond.

Lectrs.:
Collie, Frances A., M.A. Wales.
Kermode, Helen S., M.A.
Attlee, C. M., B.A. Ox.
Titley, A. F., B.Sc., Ph.D.

Teacher of Drawing:
Laverock, Florence.

Assts. in Method:
Beszant, C. F.
Tuckett, W. J., B.A. N.U.I.
Williams, Catherine A.
Milne, Susan.

Engineering, v. *infra*

English Lang. and Philol.
Mawer, A., M.A. Camb. and Durh. Baines Prof.

English Lit.
..... King Alfred Prof.
..... A. C. Bradley Prof.
Martin, L. C., B.Litt. Ox., M.A. Senr. Lectr.
Trenery, Grace R., M.A. Lectr.
Porter, Enid H., B.A. Jr. Lectr.
Robertson, Kathleen M., B.A. Tutor.

Entomology [Dutton Prof.
Patton, W. S., M.B., Ch.B.
Evans, Alwen M., M.Sc. Lectr.
Potts, W. H., B.A. Camb. Asst. Lectr.

Fisheries, v. Ocean.

French [J. Barrow Prof.
Eggli, J. E., Ag. des L.
Renault, G. E., B. ès A. Dijon Senr. Lectr.
Mayoux, J., Ag. d'Ang. Lectr.
Wright, Jean, B.A. Jun. Lectr.
3 French Tutors.

Geography, v. also Geol.
Roxby, P. M., B.A. Ox. Rankin Prof.
Winchester, Lily, M.A., F.R.Met.S. Lectr.
King, H., B.A. Junr. Lectr.
Ellerton, M. K., Cartographer.

Geology [Herdman Prof.
Boswell, P. G. H., O.B.E., D.Sc. Lond., M.I.M.M., F.G.S. (Lectr. in *Geo-Morphology*)
Double, I. S., M.Sc., F.G.S. Lectr. & Demr.
Neaverson, E., D.Sc., F.G.S. (Palæont.) Lectr. & Demr.

German
Collinson, W. E., M.A. Lond., Ph.D. (also Hon. Lectr. in Comp. Philol.) Prof.
Picton, Ænid, B.A. Wales Lectr.

Hebrew, v. Affild. Instns.

Hellenistic Gk., v. Affild. Instns.

History
Jones, W. Garmon, M.A. (Spl. Lectr. in *Educn.*) Assoc. Prof.

Hist., Ancient [Rathbone Prof.
Halliday, W. R., B.A., B.Litt. Ox.

History, Eccl., v. Affild. Instns.

History, Mediæval
Coopland, G. W., B.Sc. Lond., M.A., Litt.D. Assoc. Prof.
Howden, Marjorie P., M.A. Lectr.

History, Modern
Veitch, G. S., M.A., Litt.D. A. Geddes & J. Rankin Prof.
Routledge, F. J., B.Litt. Ox., M.A. Lectr.
Lackland, Hilda M., M.A. „

Italian
Praz, Mario, D.Litt. Florence, Dr. Jur. Rome Senr. Lectr.

Law, v. also Civic
Blease, W. Lyon, LL.M., Bar.-at-Law Q. Vict. Prof.
Batt, F. R., LL.M. (Comml. L.) Prof.
..... Warr Mem. Lectr.
Brown, H., B.A., LL.B. (Criminal L., etc.) Lectr.
Thomas, H.H. Judge A. P., B.A., LL.D. Lond. (Internat. L.) Hon. Prof.
McKnight, R. A., A.C.A. Lectr. (Trust Accounts).

Mathematics [Prof. (Pure M.)
Burkill, J. C., M.A. Camb.
Proudman, J., M.A. Camb., D.Sc. (Applied M.) Prof.
Hargreaves, R., M.A. Camb. (Applied M.) Reader.
Street, R. O., M.A. Camb., M.Sc. (Applied M.) Sr. Lectr.
Doodson, A. T., D.Sc. (Analysis of Observations) (H.).
Wilson, B. M., M.A. Camb. M.Sc. Lectr. (Pure M.).
..... Lectr. (Pure M.).
Room, T. G., B.A. Lectr. (Pure M.).
Grace, S. F., M.Sc. Lectr. (Applied M.).

Medicine, v. *infra*

Music (Dept. of Education)
Dyson, G., D.Mus. Ox. Lectr.

Naval Archit., v. Engin.

Oceanography
Johnstone, J., D.Sc. Lond. Prof.
Daniel, R. J., M.Sc. Lectr.
Jenkins, J. T., D.Sc. Lond., D.Sc. Wales, Ph.D. Kiel (Sea Fisheries) (H.).
Scott, A., M.Sc., A.L.S. (Econ. Ichthyol.) (H.).
Chadwick, H. C., M.Sc., A.L.S. (Marine Biol.) (H.).

Palæography and Diplomatics
Twemlow, J. A., B.A. Ox. Assoc. Prof.

Parasitology
Yorke, W., M.D. W. Myers Prof.
Southwell, T., A.R.C.Sc., F.Z.S. Lectr. (Helminthology).

Philology, Comparative, v. German

Philosophy
Mair, Alex., M.A. Edin. Prof.
Reid, L. A., M.A. Edin., Ph.D. Senr. Lectr.
Turner, J. E., M.A., Ph.D. Reader.

Physics [L. Jones Prof.
Wilberforce, L. R., M.A. Camb.
Rice, J., M.A. Belf. (Spl. Lectr. in *Educn.*) Assoc. Prof.

Lectrs. and Demrs.:
Ablett, R., M.Sc.
Band, W., B.Sc.
Edwards, E., B.Sc. Wales, M.A. Tor.
Roberts, R. W., M.Sc.
Lewin, E. G., B.Sc. Oliver Lodge Fellow.

Physiology
Macdonald, J. S., M.A. Camb., F.R.S. Holt Prof.
Duffield, F. A., M.B., Ch.B. Edin. Lectr.
Waller, W. W., B.A., B.M. Ox.
Wadsworth, T. W., M.D., D.P.H.
Walker, C. E., D.Sc., M.R.C.S., L.R.C.P. (Histology) Lectr.
Tozer, Frances M., B.Sc. Lond. (Histology and Cytology) Lectr.
2 Junr. Lectrs. and Demrs.

Protozoology
Adams, A. R. D., M.B., Ch.B., D.T.M. Lectr.

(H.) = Hon. Lectr.

Russian Studies
Boswell, A. B., M.A. Bowes Prof. of R. Hist. Lang. and Lit.
Williams, H. W., Ph.D. Mun. (R. Ethnog.) Research Fellow.
Slepchenko, B. S. Recog. Teacher.

Social Science
Carr-Saunders, A. M., M.A. Ox. Charles Booth Prof.
Jones, D. Caradog, M.A. Camb. Sr. Lectr. in Social Statistics.
Black, Ellinor I., B.Sc. Lond. Lectr. in Social Science.
Griffith, E. S., B.A. (Hamilton, U.S.A.), D.Phil. Ox. (H.).

Spanish
Peers, E. Allison, M.A. Camb. and Lond. Gilmour Prof.
Soldevila, F., Ph.D. Tempy. Lectr.

Vet. Science
Share-Jones, J., D.V.Sc., M.Sc., F.R.C.V.S. Dir. of Vet. Studies Prof. of V. Anat.
Gaiger, S. H., F.R.C.V.S., Prof. (Diseases of Animals).
Annett, H. E., M.B.E., M.D., D.P.H. (H.).
Elam, C. W., D.V.H., M.R.C.V.S. Lectr.
Hanna, W., M.D. Belf., D.P.H. Camb. Lectr.
Hughes, H. V., B.V.Sc., M.R.C.V.S., D.V.H. Lectr.
Isherwood, R., M.R.C.V.S. Lectr.
Mattinson, A. B., O.B.E., F.R.C.V.S., D.V.S.M. Vict. Lectr.
Shuttleworth, A. C., M.R.C.V.S. Tempy. Lectr. (Anatomy).
Warburton, F. S., M.R.C.V.S. Clin. Lectr.
White, C. F., M.B., Ch.B., D.P.H. Vict. Lectr.

Welsh
Davies, J. Glyn, M.A. Assoc. Prof.
Owen, E., Barr.-at-Law, M.A., F.S.A. (Welsh Mediæval Antiq.) Reader.

Zoology, v. also Entom., Ocean., Parasit., Protoz.
Dakin, W. J., D.Sc., F.Z.S., F.L.S. Derby Prof.
Burfield, S. T., B.A. Camb., M.Sc. Sr. Lectr
Bisbee, Ruth C., M.Sc., F.L.S. Lectr. & Demr.
Fordham, Mahalah G. C., M.Sc. West. Aus. Lectr. & Demr.

Engineering

Civil Engineering
Perrott, S. W., M.A.I. Dub., M.I.C.E. Prof.
Whitaker, H. A., B.Eng., M.Inst.Struct.E. Lectr.
Hitchens, A. P., B.Eng., A.M.I.C.E., M.I.Struct.E. (also Lectr. in Design and Drawing) Lectr. & Demr.
Webster, F., M.C., M.Eng., A.M.I.C.E. Lectr. & Demr.

Dock and Harbour Engineering
Wilton, T. R., M.A. Camb., M.I.C.E. Assoc. Prof.

Electrical Engineering
Marchant, E. W., D.Sc. Lond., M.I.E.E. Jardine Prof.
Teago, F. J., D.Sc. Durh., M.I.E.E. (Elect. Machinery) Rankin Prof.
Prescott, J. C., M.Eng., A.M.I.E.E. Lectr.
Waygood, O. C., M.I.E.E. Lectr.
Brookes, R. C., B.A. Camb., A.M.I.E.E. Lectr.

Industrial Economics
The Prof. of Commerce Lectr.

Law, Engineering [Lectr.
Gordon, C. G. S., LL.B., M.I.Min.E.

(H.) = Hon. Lectr.

Marine Engineering
Lectrs.: The Prof. of Mech. E., the Prof. of Nav. Arch.

Mechanical Engineering and Applied Mechanics
Scholes, G. E., M.B.E., M.Sc. Manc., M.I.Mech.E., M.I.A.E. Harrison Prof. (Mech. E.).
Mason, W., D.Sc. Manc., M.I.C.E., M.I.Mech.E. (Applied Mechanics) Hughes Prof.
Mawson, H., D.Sc. (Eng.) Lond., A.R.C.S., A.M.I.C.E., A.M.I.Mech.E. Sr. Lectr. (Hydraulics and Hydraulic machinery)
Clark, J. J., M.Eng., A.M.I.Mech.E. Lectr. (Design & Drawing)
Okill, J., M.Eng., M.I.A.E. Lectr.
Kearton, W. J., M.Eng., A.M.I.N.A., A.M.I.Mech.E. Lectr.
Cole, E. B., B.Sc. Bris. Lectr.
Smith, G., B.Sc. Jr. Lectr.

Metallurgy
Bannister, C. O., M.Eng., A.R.S.M., F.I.C. (also Lectr. in Dental M.) Wortley Prof.
Richards, H. F., B.Sc., A.R.S.M. Lectr.

Municipal Engineering
Brodie, J. A., M.Eng., M.I.Mech.E. Assoc. Prof.

Municipal Electrical Engineering
Dickinson, H., M.I.C.E., M.I.Mech.E., M.I.E.E. Hon. Lectr.

Naval Architecture
Abell, T. B., O.B.E., M.Eng., R.C.N.C. (ret.), M.I.N.A. A. Elder Prof.
Wilson, J. C. M., M.Eng., R.N.C., A.M.I.N.A. Lectr. & Demr.

Railway Engineering
Aspinall, Sir J. A. F., D.Eng., Past Pres. I.C.E., Past Pres. I.Mech.E. Assoc. Prof.

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

Bacteriology
Beattie, J. M., M.A. N.Z., M.D., C.M. Edin. Prof.
Ashcroft, L. S., M.B., Ch.B., D.P.H. Lectr.
James, G. R., M.B., Ch.B., D.P.H. Lectr. (Public Health Bact.).
Redman, Thirza, M.Sc., Ph.D., M.B., Ch.B. Hon. Lectr.

Cytology, v. also Physiology
Walker, C. E., D.Sc., M.R.C.S., L.R.C.P. Assoc. Prof.

Dermatology
MacKenna, R. W., M.A., M.D. Edin. Lectr.

Diseases of Children
Fordyce, A. D., M.D. Edin. Lectr.

Diseases, Infectious
Rundle, C., O.B.E., M.D. Lond., D.P.H. Lectr.

Diseases, Mental
Reeve, E. F., M.B., B.S. Lond. Lectr.

Diseases, Specific
Taylor, R. S., D.S.O., M.B. Lectr.

Forensic Medicine and Toxicology [Prof.
MacFall, J. E. W., M.D., D.P.H.
Williams, B., B.Sc., M.B., Ch.B. Demr.

Hygiene
Hope, E. W., O.B.E., M.D., D.Sc. Edin. Prof.
Mussen, A. A., B.A., M.D. Dub., D.P.H. (Practical San.) Lectr.

Lectrs. in Pub. Health Admn.:
Hanna, W., M.A., M.D. Belf., D.P.H. (Admn. and Vaccn.)
Stallybrass, C. O., M.D., B.S., D.P.H.

Laryngology [Hon. Lectr.
Guthrie, T., M.A., M.D., F.R.C.S.

Mat. Med. and Pharmacy [Lectr.
Marsden, P. H., M.Sc., F.C.S.

Medicine

Hay, John, D.L., M.D., F.R.C.P. Prof. & Clin. Lectr.
Matthews, J. C., M.A., M.D., F.R.C.P. Lectr.
Chamberlain, E. N., M.D.
Clinical Lectrs.:
Bligh, J. Murray, M.D.
Capon, N. B., M.D.
Gullan, A. G., M.D. Lond., F.R.C.S.
Johnson, W. (v. Anat.).
Owen, J., T.D., M.D. Lond., F.R.C.P., D.P.H.
Pemberton, H. S., M.B.

Midwifery and Gynæc.

Bell, W. Blair, M.D., B.S. Lond. Prof. and Clin. Lectr.
Robinson, A. L., M.D., F.R.C.S. Lectr. & Clin. Lectr.
Herd, S. B., M.D. Senr. Demr.
Datnow, M. M., M.B., Ch.B. Demr.
Clin. Lectrs.:
Ivens, Mary H. F., Ch.M., M.B., M.S. Lond.
Murray, H. Leith, M.D. Aberd.
Willett, J. H., M.D.

Neuro-Pathology of Mental Diseases

Watson, G. A., M.B., C.M. Edin. Hon. Lectr.

Ophthalmology

Chavasse, F. B., M.A., M.D., D.O.M.S. Ox. Lectr.

Pathology

Glynn, E. E., M.A., M.D., C.M. Camb., F.R.C.P. Holt Prof.
Evans, W. Howel, B.Sc., M.B., Ch.B. Lectr.
..... Demr.

Pharmacology and Genl. Therapeutics, v. also Mat. Med.

Dilling, W. J., M.B., Ch.B. Aberd. Assoc. Prof.
Cohen, H., M.D. Lectr. (Practical Therap.).

Public Health, v. Hyg. and Chem.

Radiology [Lectr.

Holland, C. Thurstan, D.L., Ch.M.
Asst. Lectrs.:
Mather, J. H., M.B., Ch.B., B.Sc., D.M.R.E.
Roberts, R. E., M.D., B.Sc., D.M.R.E.

Surgery

Parker, R., M.B., B.S. Lond., F.R.C.S. Prof.
Kelly, R. E., C.B., M.D., B.Sc., F.R.C.S. Prof. and Clin. Lectr.
Jones, Sir Robert, Bart., C.B., K.B.E., Ch.M., D.Sc., F.R.C.S. (Orthopædics) Lectr.
Monsarrat, K. W., M.B., C.M. Edin. (Operative S.) Lectr. and Clin. Lectr.
Kennon, R., M.D., F.R.C.S. (Practical S.) Lectr.
Nuttall, H. C. W. (v. Anat.) Demr.
Other Clinical Lectrs.:
Armour, T. R. W., M.B., C.M. Edin., F.R.C.S.
Douglas-Crawford, D., M.B., C.M. Edin., F.R.C.S.
Evans, A. J., F.R.C.S. Edin.
Heaney, F. Strong, M.A., M.D. Dub.
Simpson, G. C. E., B.A., M.B., B.C. Camb., B.Sc., F.R.C.S.
McMurray, T. P., Ch.M. Belf.
Jeans, F. A. G., M.A., M.B., B.Ch. Camb., F.R.C.S.
Williams, O. Herbert, M.B. Edin., F.R.C.S., D.P.H. Ox.
Wolfenden, H. F., M.D., F.R.C.S.

Tropical Med.

Stephens, J. W. W., B.A., M.D., F.R.S., D.P.H. Camb. Sir A. Jones Prof.

Tropical Diseases of Africa

Blacklock, D. B., M.D. Edin., D.P.H. Prof., and Dir. of Sierra Leone Research Lab.

Tropical Sanitation [Lectr.
Kennan, R. H., B.A. Dub., M.D., F.R.C.S., D.P.H., D.T.M.
Prout, Sir W. T., C.M.G., M.B., C.M. Edin. Hon. Lectr.

Vaccination, v. Hygiene

Dentistry

Dental Surgery
Gilmour, W. H., M.D.S., L.D.S., LL.D. (Penn.) (Dir. of D. Educn.) Cohen Prof.
Barker, H. E., L.D.S. Demr.
Collinge, J. S. H., L.D.S. Demr.
Lyall, G. L., L.D.S. Demr.
McNaught, P., L.D.S. Demr.

Anæsthetics
Smith, G. F. R., M.B., B.S. Lond., M.D. Lectr.
Clothier, B., L.D.S. Demr.

D. Anat., Histol., and Physiol.
Woods, J. A., M.D.S., L.D.S. Lectr.
Guyler, T. W. C., B.D.S. Demr.

D. Mechanics [Lectr.
Osborn, L. J., M.D.S., L.D.S.
Fairhurst, R., B.D.S., L.D.S. Demr.

D. Metallurgy, v. Met.

Operative D. Surgery
Bennette, H. W. P., M.D.S., L.D.S. Lectr.
Meeson, A. E., B.D.S. Demr.
Lyall, G. L., L.D.S. Demr.

Clin. D. Surgery
7 Lectrs.

Orthodontia
Mountford, E. H., L.D.S. Lectr.
Watkin, H. G., L.D.S. Demr.

University Extension

Secy. to the Univ. Extension Board :
E. Hickinbotham, B.A.

ASSOCIATED AND AFFILIATED INSTITUTIONS

INSTITUTE OF ARCHÆOLOGY, Abercromby Square, Liverpool. Associated Teachers additional to the staff of the Faculty—*Assyriology*, Pinches, T. G., LL.D. ; *Numismatics*, Milne, J. G., M.A. ; *Central American Arch.*, Gann, T. W. F., M.R.C.S., L.R.C.P.

TIDAL INSTITUTE. Established 1919. Administered by a Joint Committee representing the Mersey Docks and Harbour Board and the BIDSTON OBSERVATORY (administered by the same Committee).

ST. AIDAN'S COLLEGE, Birkenhead. Principal, Rev. R. T. Howard, M.A. Affild. for first year of degree course and, in subjects in which instruction is not provided in the Univ., up to half of the entire course for the B.A.
Recognized Teachers in—*Hellenistic Greek*, ... ; *Eccl. Hist.*, Heiser, F. B., M.A. ; *Hebrew*, Keith, K. E., M.A.

EDGE HILL TRAINING COLLEGE. Principal, Miss E. M. Smith. Recognized Teachers in—*Maths.*, Smith, Miss E. M. ; *English Lit.*, Deakin, Miss M. H., M.A.

MOUNT PLEASANT TRAINING COLLEGE. Principal, Miss C. Holcroft, M.A. Recognized Teachers in—*Latin*, Sampson, Miss M., M.A. ; *English Lit.*, Healey, Miss M. J., B.A.

TRAINING COLLEGE, Chester. Recognized Teachers : Thomas, R. A., O.B.E., M.A., Principal of the College (in *Maths.*) ; Hooper, F. W., B.Sc., A.I.C. (in *Chem. and Physics*) ; Sheppard, W. R., B.Sc. (in *Maths. and Physics*).

THE HARRIS INSTITUTE, Preston. First year of Degree Course (Engineering).

SCHOOL OF TROPICAL MEDICINE, Pembroke Place, Liverpool. New Laboratories opened 1920. Ward for Tropical Diseases at Royal Infirmary,

Liverpool. Departments with research laboratories at Manaos and Sierra Leone. For training in the conduct of original research and organization of prophylactic measure. Has sent out numerous expeditions to tropical countries. Publishes Memoirs and *Annals*. For staff, v. *supra*—Trop. Med., Trop. San., Parasit., Entom., Hygiene. Diploma course, 3 months.

PATHOLOGICAL LABORATORY, County Asylum, Rainhill. *Pathologist*, Watson, G. A., M.B., C.M.

GENERAL INFORMATION

University College, Liverpool, founded by Royal Charter 1881, was admitted into the Victoria University, Manchester, in 1884. In 1903 the University of Liverpool was established by Royal Charter and the College was absorbed in it.

LIBRARY, MUSEUMS, ETC. The library of the Univ. contains about 100,000 vols., and includes among special collections great series, such as Migne, Pertz, Muratori, and Acta Sanctorum. Among rarer possessions are the Rylands collection of early works on Geography and Astronomy, a collection of works by and about William Blake, sets of the Roxburghe, Bannatyne, and Maitland Clubs, a unique number of Aldines, and over 100 incunabula, among them the final sheets of the Constitutiones of Clement V. printed at Mainz in 1460. Special bibliographies have been issued. In addition there are twenty-three Class Libraries in the Faculty of Arts and External Departmental Libraries for the Medical and Science Departments.

The following are the principal MUSEUMS AND LABORATORIES: Anat., Archæol. (including a unique Hittite collection), Archit., Bact., Bio-Chem., Bot., Chem., Physical and Electro-Chem., Electricity (Applied), Embryol. and Genetics, Engin. (including facilities for aerial motor and propeller testing and other wind experiments), Geol., Hygiene, Laryngology, Materia Medica, Expl. Med., Trop. Med. (including museum, animal houses, and specially warmed glass insectarium, and research labs. at Liverpool, Sierra Leone and Manaos), Obst. and Gynæc., Oceanog., Ophth., Path., Physics, Physiol. and Histol., Surg. Path., Tidal Research, Toxicology, Vet. Anat. and Path., Zool. The Port Erin (Isle of Man) Marine Biol. Lab. has been transferred to the Univ. by an Act of Tynwald. HOSPLS. available for Clinics, 4 general and 6 special, containing 1445 beds, which together constitute the clinical school. The trade of the port ensures frequent importations of infection. Special wards for Trop. Diseases. Expeditions to Tropical countries organized for investigation or advice. Suitably qualified persons may enter the Laboratories for research work at prescribed fees.

FACULTIES. (1) Arts (with Schools of Archit., Social Sciences and Administration, including Economics, Commerce, Geography, and Social Science, Local History and Records, Russian Studies; Departments of Civic Design and Educn.); (2) Science; (3) Medicine (with Schools of Dent. Surg., Hygiene, Trop. Med., Vet. Sc.); (4) Law; (5) Engineering. *Deans*: (1) W. Garmon Jones (Hist.), (2) Prof. Dakin (Zool.), (3) W. J. Dilling (Pharmacology), (4) Prof. Batt (Commercial Law), and (5) Prof. Bannister (Metallurgy). Director of Dental Educn., Prof. Gilmour; of Veterinary studies, Prof. J. Share-Jones.

MATRICULATION. See Appendices XXI. and XXIII.

DEGREE COURSES: 3 yrs., B A., B.Com., B.Sc., LL.B.; 3 or 4 yrs., B.Eng. (*plus* 2 yrs.' appr'ship); 5 yrs., B. Arch., M.B., Ch.B., B.D.S., B.V.Sc.

The B.Com. courses include (1) General Business; (2) Banking, Insurance, Accounting; (3) Transport, Railways, Shipping; (4) Consular Service.

The LL.B. courses prepare for the Bar and solicitors' examns. as well as for the Degree. The B.V.Sc. may be taken concurrently with the M.R.C.V.S.

HIGHER DEGREES: Ph.D., v. p. 18. (1) *Graduates of Liverpool in Faculty concerned.* Obtainable after Bachelorship: 1 yr., (after Hons. B.Sc.) M.Sc.; 15 mos., M.Ch. Orth.; 2 yrs., M.A., M.Com. (after ord. B.Sc.) M.Sc., M.D., Ch.M., M.H. (Hygiene), M.D.S., M.V.Sc., LL.M., M.Eng. After Mastership: 5 yrs., D.Litt., D.V.Sc., LL.D. After Mastership or Ph.D.: 5 yrs., D.Sc., D.Eng.; 10 yrs., after B.Arch., on distinguished archit. work, M.Arch. (2) *Graduates of approved Univs.* After Bachelorship and 2 yrs.' higher study or research in Liv. Univ.: M.A. (1 yr. elsewhere), M.Com., M.Sc., M.D., M.H., M.V.Sc., LL.M., M.Eng. The M.A. and M.Com. are also open under certain conditions, to B.Arch. and grads. in Liv. Univ. of a Faculty other than Arts. (3) *Non-Graduates.* After 3 yrs.' higher study or research in Liv. Univ.: M.A. (1 yr. elsewhere), M.Sc., LL.M., M.Eng.

The M.Ch. Orth. is open to grads., other than Med., of this or approved Univs. who are F.R.C.S. (Eng., Ed., or I.) or Fellows of the American Coll. of Surg.

DIPLOMAS. Archæol., 1 yr. course; Archit., 5 yrs.; Civic Design, 1 yr.; Commerce, 3 yrs.; Social Science, 1 or 2 yrs.; Educn. (for grads.), 1 yr.; Geography, 2 yrs.; L.D.S., 4 yrs.; D.P.H., 1 yr.; D.T.M., 3 mos.; D.T.H., 3 mos. (after taking D.T.M.); D.M.R.E., 2 terms; D.V.H., 6 mos.; Engin., 2 yrs. after final examn. for Certif.

CERTIFICATES. Archæology, 2 yrs.' course; separate Arts subjects, 2 yrs.; Architectural Design, 1 yr.; Civic Design, 2 terms of 2 Sessions; Social Science, 1 or 2 yrs. (qualification for entry lower than for Diploma course); Educn., 1 yr.; Engin., 3 yrs.; Univ. extension courses, 3 yrs.

FEES. For Matricn., £2. Guild of Undergrads., £2 : 7 : 6 p.a. DEGREE COURSES: B.A., or B.Com. (3 yrs.), £90; M.A. or M.Com. (sessional), £5; B.Arch. (5 yrs.), £150; B.Sc. (3 yrs.), £115 to £160; M.Sc. (sessional), Maths., £5; other subjs., £10; M.B., Ch.B. (5 yrs.), £228; M.D. (sessional), £10; Ch.M. (2 yrs.), £20; M.H. (2 yrs.), £80; M.Ch. Orth. (15 mos.), £41; B.D.S. (5 yrs. complete course in the University), £250; M.D.S. (2 yrs.), £27 or £32; B.V.Sc. (5 yrs.), £175; M.V.Sc., 1st yr., £30, 2nd yr., £20; LL.B. (3 yrs.), £50; LL.M. (sessional), £5; B.Eng. (3 or 4 yrs.), £144-£192; M.Eng. (Research), £10; Ph.D. (2 yrs.), £27. Apparatus fee per session, £10. DIPLOMA COURSES: Archit. (5 yrs.), £150; Civ. Des. day, £35; Educ. (1 yr.), £20; Com. (3 yrs.), £90; Soc. Science (2 yrs.), £25; Archæol. (1 yr.), £10; Geography (2 yrs.), 1st yr., £20, 2nd yr., £10; D.P.H. (1 yr.), £45; D.T.M. (3 mos.), £15 : 15s.; D.T.H. (3 mos.), £15 : 15s.; D.M.R.E. (2 terms), £24 : 5s.; L.D.S. Liv. (complete course in the University) (4 yrs.), £198; M.R.C.V.S. (4 yrs.), £120; D.V.H. (6 mos.), £21; Eng., £96. CERTIFICATE COURSES: Archit. Des. (1 yr.), £35; Civ. Des. (2 terms of two sessions), £10; Soc. Science (2 yrs.), £25; Archæol. (2 yrs.), £30; Educ. (1 yr.), £20; Engin. (3 yrs.), £96-£144.

EXAMN. FEES. M.B. and Ch.B., B.V.Sc., B.D.S., £15; B.Arch., £5; other bachelor degrees, £4; Master's degree (examn. or on application), M.H., 10 gs.; Ch.M., M.V.Sc., M.D.S., £5; others, £3; Doctor's (on application), £10. Diploma examns., L.D.S., £15; Comm., £4; Archæol., £3; Educn., Soc. Science, Eng., £2; others, £5 or 5 gs. Certifs. Examns., Eng., £6; others, £2. Degree Admission Fees, £6 for first degree, subsequent degrees, £5; Dipl. Eng., £3; Certif. Eng., £2; others, £1.

SCHOLARSHIPS, ETC., FOR GRADUATES. Research Fellowships and Scholarships of the aggregate value of over £6000 are offered annually in all faculties; Garrett International Fellowship for Research in Bact., Path., or Physiol. open to members of Univs. and Med. schools in the U.S.A. and of other foreign

schools, £100 for 1 yr. with possible extension 2 yrs. (applications by May 31); Johnston Colonial Fellowship of same value, for research in Bio-Chem. with teaching, open to members of Colonial Univs. and Med. Schools, not excluding Colonial candidates with British qualifications (applications by May 31); Lloyd's Register Scholps. in Naval Archit., £100 p.a. for 3 yrs. for British subjects, men, not over 23.

RESIDENCE, ETC. Two hostels for 83 men (fees, £70); one for about 90 women (fees from £65 to £72). Students' Union Club House cost £20,000.

ASSOCIATION OF GRADUATES. Besides the statutory assocn.—"Convocation"—there is an Old Students' Assocn., the functions of which are mainly social.

A UNIVERSITY EXTENSION Board is responsible for extra-mural work. There are travelling libraries for local centres.

PUBLICATIONS. *Calendar* (Oct.), 2s. 6d.; *Diary* (Oct.), free; *Prospectuses of Faculties and Schools* (July), free; *Students' Handbook* (Oct.), free; Students' Magazine, *The Sphinx*, 6d. (4 numbers per session); *Inaugural Lectures*. Issued in 1920, *inter alia*, School of Tropical Medicine Historical Record, 1898–1920, 10s. 6d.

THE YEAR 1925–26

BENEFACTIONS. Miss E. C. Herdman and her sisters, £10,000 for endowment for New Geology Building; T. Harrison Hughes, £3000 for Dept. of Naval Architecture; F. C. Bowring (Lord Mayor), £1000; Exors. late Isidore Silverberg, £1000.

NEW POSTS. Chair of Electrical Machinery, Hon. Lectureship in Social Science, Readership in Philosophy, Lectureships in Practical Therapeutics, in Surgery and in Medicine for Dental Students, in Hydraulics and Hydraulic Machinery.

LEGISLATION. Establishment of the Liverpool School of Social Sciences and Administration, comprising the four departments of Economics, Commerce, Geography, and Social Science.

APPOINTMENTS of Professors: T. P. Hilditch, Industrial Chemistry (Oils, Fats and Waxes), formerly Research Chemist with Crosfield & Sons, Warrington; S. H. Gaizer, Diseases of Animals, formerly Director, Animal Diseases Research Institute, Scotland; F. J. Teago, Electrical Machinery. RETIREMENTS: Prof. O. Elton, Prof. W. H. Watkinson. DEATHS: Dr. J. George Adami (Vice-Chancellor), E. H. Parker, F. P. Wilson, J. Findlay (Lectr. in Equity, etc.). RESIGNATIONS: Assoc. Prof. G. C. Field on appointment to Chair of Philosophy, Bristol; J. F. D. Shrewsbury appointed Lectr. in Bacteriology, Birmingham; E. L. Ince appointed Prof. of Pure Maths., Egyptian Univ. at Cairo; J. A. Newcombe appointed Asst. Prof. of Metallurgy, McGill Univ.; J. W. Jones appointed as Lectr. in Law, Queen's College, Oxford.

UNIVERSITY EXTENSION. Lectures at 16 centres. Three-year Tutorial Classes, 52. 1227 students on roll. Series of popular afternoon and evening public lectures at the Univ. Several special public lectures by eminent men. Christmas Holiday lectures for boys and girls.

STUDENTS. Full-time: total, 1574 (including 573 women); graduates 36 (w. 6); preparing for first degree, in Arts and Pure Science, 659 (w. 411), Med. 282 (w. 33), Law 35 (w. 3), Technology 143 (w. 5); other full-time, in Arts, etc., 176 (w. 103), Med. 178 (w. 11), Tech. 65 (w. 1). Residing in hostels, 230 (w. 153).

Part-time: total, 446 (w. 138); graduate, Arts, etc., 157 (w. 68), Med. 28 (w. 3), Law 3, Tech. 4; Diploma students, Arts, etc., 24 (w. 23), Med. 99 (w. 15), Law 49 (w. 1), Tech. 2; Occasional, 80 (w. 28).

Extension courses, 1145 (w. 331); Preparatory Tutorial class students, 114 (w. 58).

DEGREES OBTAINED. Ph.D., 18 (women 2) · M.A., 18 (w. 7); B.A., 101 (w. 84); B.Arch., 2 (w. 1); B.Com., 6 (w. 1); D.Sc., 2; M.Sc., 17 (w. 6); B.Sc., 85 (w. 37); M.D., 7; M.B., Ch.B., 69 (w. 13); B.D.S., 2; B.V.Sc., 3; LL.M., 2; LL.B., 6 (w. 1); D.Eng., 1; M.Eng., 20.

UNIVERSITY OF LONDON

VISITOR—H.M. THE KING IN COUNCIL.

CHANCELLOR—Rt. Hon. the EARL OF ROSEBERY AND MIDLOTHIAN, K.G., K.T., D.C.L., etc.

VICE-CHANCELLOR—Sir WILLIAM HENRY BEVERIDGE, K.C.B., M.A., LL.D., B.C.L.

CHAIRMAN OF CONVOCATION—S. L. LONEY, M.A.

PRINCIPAL OFFICER—THOMAS FRANKLIN SIBLY, D.Sc.

ACADEMIC REGISTRAR—EDWIN DELLER, LL.D.

REGISTRAR OF THE COUNCIL FOR EXTERNAL STUDENTS—G. F. GOODCHILD, M.A., B.Sc.

REGISTRAR OF THE UNIVERSITY EXTENSION BOARD—JOHN LEA, M.A.

FINANCIAL OFFICER and SECRETARY TO THE SENATE—H. CLAUGHTON, C.B.E., B.A.

SUPERINTENDENT OF EXAMINATIONS—F. J. PORT, LL.B.

GOLDSMITHS' LIBRARIAN—R. A. RYE.

DEANS OF FACULTIES. See under "General Information"—Faculties.

REPRESENTATIVE IN PARLIAMENT—E. G. GRAHAM LITTLE, M.D., B.A.

Incorporated Institutions and University Departments

UNIVERSITY COLLEGE, v. p. 120.
KING'S COLLEGE, v. p. 129.
GOLDSMITHS' COLLEGE, v. p. 179.
BROWN ANIMAL SANATORY INSTITN., v. p. 109.
FRANCIS GALTON LABORATORY FOR NATIONAL EUGENICS, v. p. 125.
SCHOOL OF ARCHITECTURE, v. p. 126.
INSTITUTE OF HISTORICAL RESEARCH, v. p. 109.
COMMERCE DEGREE BUREAU AND APPOINTMENTS BOARD, v. p. 115.

Associated Institutions (v. next page)

36 SCHOOLS OF THE UNIVERSITY.
18 OTHER INSTITUTIONS HAVING RECOGNIZED TEACHERS.

PROFESSORS, READERS, LECTURERS, ETC.

Note.— University teaching is organized under 3 categories: (1) conducted by the Univ. itself; (2) conducted by the several "Schools of the Univ."; (3) conducted at the other Institutions at which there

are " Recognized Teachers of the Univ." For explanation of these terms, see second para. of General Information on p. 108. The names of teachers of the several subjects will be found in the subsections indicated by symbols as follows:

UNIVERSITY COLLEGE, p. 120 (U)
KING'S COLLEGE, p. 129 (K)

Schools of the University

IMPERIAL COLLEGE, p. 136 (Im.).
EAST LONDON COLLEGE, p. 141 (EL).
BIRKBECK COLLEGE, p. 143 (Bk.).
LONDON SCH. OF ECONOMICS, p. 145 (E).
S.E. AGRIC. COLL., WYE, p. 149 (Ag.).
LONDON DAY TRAINING COLL., p. 150 (Tr.).
SCHOOL OF ORIENTAL STUDIES, p. 151 (O).
KING'S COLL. FOR WOMEN, HOUSEHOLD AND SOCIAL SCIENCE DEPT., p. 133 (KH).
BEDFORD COLL. FOR WOMEN, p. 153 (BW).
ROYAL HOLLOWAY COLL., p. 156 (Ho.).
WESTFIELD COLL., p. 157 (Wf.).
5 THEOLOGICAL SCHOOLS, p. 158 (Th.).
20 MEDICAL SCHOOLS, p. 160 (Med.).

Laws Faculty, p. 175 (Law).
18 *Other Institutions having recognized Teachers*, p. 176 (RI).

Accountancy and Business Methods (E).
Administration, v. Public
Aeronautics (Im., EL).
African Languages (O).
Agriculture (Ag., RI).
Albanian (O).
Anatomy (U, K, Med.).
Anatomy, Morbid (Med.).
Anthropology, v. also Social A. (U, K).
Arabic (O).
Aramaic (Th.).
Archæology (U, K).
Architecture (U).
Art (Fine Art) (U, K, Ho.).
Astronomy (U, Im.).
Astrophysics (Im.).
Aviation (Im., EL).
Bacteriology (KH, Med.).
Banking and Currency (E).
Bibliography (K)
Bio-Chemistry (U, Im., Med.).
Biology (Im., KH, Med.).
Botany (U, K, Im., EL, Bk., Ag., BW, Ho., Wf., Med., RI).
Celtic (U).
Chemical Engineering (U, Im.).
Chemical Technology (Im.).
Chemistry (U, K, Im., EL, Bk., Ag., KH, BW, Ho., Med., RI).
Chemistry, Organic (U, K, Im., BW, RI).
Chemistry, Pathological (U, Med.).
Chemistry, Physical (K, Im., BW).
Chemistry, Physiological (Med.).
Chinese (O).
Classics (U, K, EL, Bk., BW, Ho., Wf., Th., RI).
Commerce and Industry (E, RI).
Coptic (U).
Czecho-Slovak (K).
Danish (U).
Dental Science (Med.).
Dutch (U, BW).
Economics (U, E, Bk., KH).
Economic Geography (U, E).
Economic History (K, E).
Education (K, Tr., RI).
Egyptology (U).
Embryology (U).
Engineering—
Aviation (Im., EL).
Chemical Engineering (U, Im.).
Civil Engineering (U, K, Im., EL, RI).
Electrical Engineering (U, K, Im., EL, RI).
Engineering Design (U, Im.).
Heating and Ventilating (U).

Engineering—Contd.
Mechanical Engineering (U, K, Im., EL, RI).
Mining and Power Engineering (Im.).
Municipal Engineering (U).
Optical Engineering (Im.).
Railway Engineering (U).
Surveying (U, RI).
Waterways, Harbours, and Docks (U).
English (U, K, EL, Bk., E, BW, Ho., Wf.).
Entomology (Im., Ag., Med.).
Ethnology (E).
Eugenics (U).
Finance, Public (E).
Forestry (Im.).
French (U, K, EL, Bk., E, BW, Ho., Wf.).
Fruit Culture (Ag.).
Fuel Technology (Im.).
Geography (U, K, EL, E, Bk., BW).
Geology (U, K, Im., EL, Bk., Ag., BW, RI).
German (U, K, EL, Bk., E, BW, Ho.).
Greek, Modern, and Byzantine History (K).
Hebrew (U, K, Th., RI).
Historical Research and Sources of English H. (*v. also p.* 125) (K)
History (U, K, EL, Bk., E, O, BW, Ho., Wf., RI).
History and Culture of British Dominions in Asia, with Special Reference to India (O).
History and Records of London (U).
History, Imperial (K).
History and Instns., Modern French (U, E).
History, Central European (K).
History of Medicine (U).
History and Method of Science (U).
History, Near East (O).
Horticulture (Ag.).
Household Science (KH).
Hygiene (U, KH, Med.).
Indian Economics (E).
Industrial Psychology (E).
International History (E).
International Relations (E).
Italian (U, K).
Journalism (U, K).
Languages, v. African, Arabic, etc.
Law (Law, Bk., E, O, RI).
Librarianship (U).
Logic, v. Philos.
Malayalam (O).
Mathematics (U, K, Im., EL, Bk., BW, Ho., Wf., RI).
Medicine and Surgery (Med.).
Metallurgy (Im., RI).
Meteorology (Im.).
Military Science (U, K).
Mineralogy (U, Im.).
Mining (Im.).
Music (Ho., RI).
Mycology (Ag.).
Norwegian (U).
Oil Technology (Im.).
Optics, Technical (Im.).
Oriental Langs., v. also Semitic, Tibetan (O).
Palæography and Econ. Hist. (K).
Palæontology (Im.).
Pedagogy (K, Tr., RI).
Pharmacology (U, K, Med.).
Philology, Comparative (U, K).
Philosophy, Psychology, and Logic (U, K, Bk., E, BW, Ho., Th.).
Philosophy of Religion (K).
Phonetics (U and O).
Physics (U, K, Im., EL, Bk., KH, BW, Ho., Med., RI).
Physics, Astronomical (U, Im.).
Physiology (U, K, KH, BW, Med., RI).
Polish (K).
Political Economy, v. Economics
Political Science (E).
Political Theory (E).
Portuguese (K).
Poultry (Ag.).
Protozoology (Med.).
Psychology, v. Philosophy
Public Administration (E).
Public Health (U, Med.).
Refractory Materials and Silicates (Im.).
Romance Philology (K).
Roumanian (K).
Russian (K).
Russian Institutions and Economics (E).
Scandinavian (U).
Secretarial Practice (E).
Semitic Languages (U, RI).
Serbian (K).
Shipping (E).
Sinhalese (O).

Slavonic Languages	(K).	*Tibetan*	(U, O).
Social Anthropology	(E).	*Town-planning*, v. Architecture	
Social Science	(E, KH, BW).	*Transport*	(E).
Sociology	(E).	*Veterinary* Science (v. also p. 179)	(Ag., RI).
Spanish	(K, EL).	*Woods and Fibres, Technology of*	(Im.).
Statistics	(U, E).	*Zoology*	(U, K, Im., EL, Bk., BW, Med., RI).
Surveying	(U, RI).		
Swedish	(U).		
Theology	(K, Th.).		
Thermodynamics	(U).		

GENERAL INFORMATION

[NOTE. *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 their own official Regns. These can always be obtained on application at the Univ. offices.*]

Central offices—South Kensington, S.W.7. Telegraphic address—University, Southkens, London. Telephone—Kensington 7000.

The Univ. was constituted by Royal Charter in 1836 as a body empowered to grant degrees to students of approved institutions after examination, and, until 1900, its work was confined to the examination of students. The system whereby entrance to its examns. was restricted to students of certain affiliated Colleges was abolished, except for examns. in Medicine, in 1858. In 1878 its degrees were thrown open to women, London being the first of the Univs. of Great Britain to adopt this policy.

In 1900 the Univ. was reconstituted so as to strengthen the ties between it and the institutions engaged in Higher Education within a radius of 30 miles. The Senate is 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 is required to obtain reports at prescribed intervals on the efficiency of such schools. A special form of recognition may 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, the Maudsley Hospital, the Bethlem Royal Hospital, the School of Pharmacy, and the School of Oriental Studies have been admitted in this category.

The Senate has the power also to recognize as Teachers of the Univ. any members of the teaching staff of public educational institutions within a radius of 30 miles, 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, to examns. for degrees in all subjects except Medicine, Mining, and Architecture. The examns. for Internal and External students are in some cases separate, in others identical, but the statutes require that "the degrees conferred on both classes of students shall represent as far as possible the same standard of knowledge and attainments."

Since the reconstitution of the Univ., its two original colleges, University Coll. in 1905 and King's Coll. in 1908, have been incorporated in it, the Senate,

which is the supreme Univ. body, taking over the responsibility for their administration.

LIBRARIES. The Libraries belonging to and connected with the Univ. contain in the aggregate about half a million volumes, distributed over every branch of knowledge. The Univ. Library in the Central Building, S. Kensington, contains about 170,000 volumes and pamphlets. It provides well-equipped special collections to promote research work and also serves as a lending library from which students can borrow expensive works for home study. It includes the Goldsmiths' Library of Economic Literature (50,000 vols.), which is restricted to purposes of research and reference. The British Library of Political Science at the London School of Economics has 700,000 items. There are, in addition, large departmental libraries in the several Colleges and various collections of books on special subjects, too numerous for mention. Access can also be obtained to the library of the British Museum (3 million printed books), the Public Record Office (40 million items), the Royal Colonial Institute Library (164,000 vols. and pamphlets relating to the Empire overseas, including India), and other collections described in *The Libraries of London* (v. *infra*—Publications).

MUSEUMS. Among the many Museums which, in addition to those belonging to the Schools and Institns. of the Univ., are accessible to students in London are the British Museum (Antiq. and Nat. Hist.); Horniman (Anthrop. and Zool.); London; Parkes (Sanitary Science); Practical Geol.; Roy. Archit. Soc.'s; Roy. Coll. of Surgeons'; Science, S. Kensington (Mech., Nav., and Struct. Engin., Phys., Maths., Chem., Physiog., Geol., and Biol.); Sir John Soane's (Art and Antiquarian); Victoria and Albert, S. Kensington (Archit. and Sculpture, etc.).

LABORATORIES. The most important are mentioned in the sub-sections relating to the several colleges. The following are not attached to any college:

The Brown Animal Sanatory Institution, 149 Wandsworth Rd., Vauxhall, S.W.8. Superintendent—F. W. Twort, M.R.C.S., L.R.C.P. Established in 1871 for "investigating, studying, and, without charge beyond immediate expenses, endeavouring to cure maladies, distempers, and injuries, any quadrupeds or birds useful to man may be found subject to." It contains a Hospital, in which the diseases and injuries of animals are treated, and a Laboratory, where the investigation and study of diseases of animals are carried on. Both In- and Out-Patients (some 5 or 6 thousand per annum) are treated. Clin. students may be admitted to the Vet. Depts., and Research students are received in the Lab.

The Institute of Historical Research, Malet St., W.C.1, is the University Laboratory of History, devoted exclusively to post-graduate and research work. It is situated close to the British Museum, and consists of a systematically planned series of seminar libraries, provided with the books containing or describing the main sources of mediæval and modern history (especially those whose manuscript originals are in the Record Office and other London Archives). It is open not only to every professor, reader, or other teacher of history in the Univ., and his research students, but to historians, archivists, and teachers and research students from other Univs., approved by the Committee. *Chairman of Committee*, A. F. Pollard, M.A., Litt.D., F.B.A., Prof. of Engl. Hist.; *Secretary* and *Librarian*, H. W. Meikle, M.A., D.Litt., Advisor to External Research Students in History.

FACULTIES. 1. Theology. 2. Arts. 3. Laws. 4. Music. 5. Medicine. 6. Science. 7. Engineering. 8. Economics and Political Science. Deans: 1. Bishop Gore (see p. 158). 2. Prof. Atkins (p. 125). 3. Prof. Jenks (p. 175).

4. Dr. Stewart Macpherson of the R.A.M. 5. Sir Cuthbert Wallace (p. 169). 6. Prof. Filon (p. 123). 7. Prof. Lamb (East Lond. Coll.). 8. Prof. Gregory (Lond. Sch. of Ec.).

Standing Committees of the Senate. The more important are—The Academic Council, the Council for External Students, the Board to Promote the Extension of Univ. Teaching, the Matricn. Board, the Establ. and Genl. Purposes, Finance, Library, and Scholarships Committees. There are 26 other Committees besides the 44 Boards of Studies.

TERMS for Univ. and Inter-collegiate courses, 1926-27: Oct. 7-Dec. 17, Jan. 13-March 23, April 28-June 30.

DEGREES. B.D., D.D.; B.A., M.A., D.Lit.; LL.B., LL.M., LL.D.; B.Mus., D.Mus.; M.B., B.S., M.D., M.S.; B.D.S.; B.Pharm.; B.Sc., M.Sc., D.Sc.; B.Com., M.Com.; Ph.D. (in Faculties of Theol., Arts, Music, Science, Engin., and Econ.).

The B.Sc. and D.Sc. are granted in the Faculties of Science (including Pure Sc., Agric., Hortic., Vet. Sc., and, for External students, Estate Management, and, for Internal students, Household and Social Science—B.Sc. only), Engineering, and Economics; the M.Sc. in Science (including Agric., Vet. Sc., and, for Internal students, Hortic. and Household and Social Science), Engineering and Economics.

ADMISSION. The Univ. holds 3 times a year in London and twice a year in certain Provincial centres a Matricn. examn. open to all persons of 16 yrs. of age and upwards. The examn. can also be held by special arrangement in any of the British Colonies or Dominions. Candidates are required to pass on one and the same occasion in 5 subjects: English, Maths., Latin or Greek or a scientific subject, 2 other subjects of which one must, if neither Latin nor Greek is chosen for 3rd subject, be a language. The General School examn. (v. p. 117), if passed in a combination required for Matricn., is equivalent to the Matricn. examn., and several other examns. are also accepted on conditions as exempting from it, namely, those numbered 2, 6, 7, 8(*a*), 8(*b*), 9, 10, 12, 19, in Appendix XX., and School-leaving examns. of the Univs. of Adelaide, Melb., W. Aust., and Transvaal Secondary School Examn.

STUDENTS FROM OTHER UNIVERSITIES.—The graduates of any of the Univs. of the United Kingdom and of some overseas Univs.* can also claim exemption. Other students of 19 yrs. of age and upwards who present certificates of Matricn. in Colonial Univs. or Indian or foreign certifs. from educational authorities indicating an education equivalent in their own country to that required in England for the Matricn. examn. may apply for *examination under Statute* 116 (in lieu of taking the Matricn. examn.) with special reference to the line of study they propose to follow. This examn., which it has been the practice to hold four times a year, is described on p. 668. Students who do not propose to proceed to a degree are not required to pass any Univ. examn., but must submit evidence that they are sufficiently advanced in their studies.

PERSONS OVER 25 YEARS OF AGE who in virtue of professional qualifications or otherwise are specially qualified to proceed to a Degree course may apply for examn. under Statute 116. See the preceding paragraph.

* In Canada—Acadia, Alb., Br. Columbia, Dal., King's, Laval, McG., McM. (B.A. only), Manit., Montreal, Queen's, Tor., Vict.; Australasia—Adel., Melb. Qld., Syd., Tas., W.A. (Arts, Sc., Agr., Eng.), N.Z.; S. Africa—Cape, Cape Town, S. Afr., Stell., Witw.; India—Aligarh, All., Benares, Bom. (L.M. and S. also recognized), Calc., Dacca, Delhi, Lucknow, Mad., Mys., Nagpur, Panj., Rang.; Hong-Kong.

EXTERNAL students preparing for the Bachelorship undergo Intermediate and Final examns. at intervals prescribed in the Regns., and approximating (except in Med., Dental Surgery, and Vet. Sc.) to 3 yrs. in all. Copies of all Regns. may be obtained gratis and post free from the External Registrar.

EXAMINATIONS IN THE OVERSEAS DOMINIONS. 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 in certain of the overseas Dominions of the Empire. In India only the examns. in the Faculty of Theol. are thus held, but the Matricn. examn. and the examns. in Theol., in Arts, in Laws, and in Economics have been held at 70 Colonial centres. In Ceylon the Univ. examns. in Science and Arts have also been held under special arrangement; in this latter case with certain modifications of the Regns., such as have made them suitable for the special needs of the Colony in question; with the result that the Ceylon Govt. now awards its scholarships upon the results of these Univ. examns.

An INTERNAL student before being allowed to enter as such for any examn. must, unless specially exempted, have attended Instruction courses in all the subjects thereof. For a first Degree in any Faculty he must have completed an Approved Course of Study extending over at least 3 yrs. which must, ordinarily, have been continuously pursued, but not necessarily all at one institution. A minimum number of hours of attendance is as a rule prescribed for each course, and a reduction is allowed in the case of an evening student who is certified by an employer to be engaged in his service for not less than 25 hours a week. The Interm. course generally extends over 1 yr. As a general rule, Honours may be taken at the Final examns. A course of study extending over not more than 1 yr. taken in another Univ. approved for the purpose subsequently to a student's passing the Interm. may be accepted subject to regns. in lieu of a course taken in this Univ.

Any person who has passed the Interm. examn. as an *External* student may be allowed to take the final examn. for the first degree after having attended for 2 years as an Internal student an approved course of study for it, but the degree will not be conferred until a further year's course of approved study has been pursued.

ARTS. In both Interm. and Final (Pass) examns. 2 langs. must be taken, including either Latin with Rom. Hist., or Greek with Greek Hist. Natives of Asia or Africa may apply for permission to substitute for Latin or Greek—Classical Arabic, Sanskrit, Pali, Classical Hebrew, or Classical Chinese. The Honours subjects for the Final examn. are Archæol., Chinese, Classics, Hebrew and Aramaic (including Syriac), Hist., Geog., Maths., Philos., Psych., Engl., French, Ger., Ital., Portuguese, Span., Slavonic Studies, Indo-Aryan, Arabic, Persian, Japanese, also Celtic for External students, and, for Internal students, Greek, Latin, Dutch, Scandinavian Langs., Anthropology, Sociology.

The B.A. course in Archit. extends over 5 yrs., but graduates of approved Univs. may be exempted from such part of the earlier years' courses of study and examns. as the Senate may determine.

The M.A. is conferred in Archæol., Class., Hist., Maths., Mediæval and Mod. Langs., Oriental Langs., Philos., Educn., Geog., and, for Internal students only, in Comp. Philol., Psychol., Slavonic Studies, and Sociology. Internal students are required (except in Maths.) to submit a thesis. In some cases candidates must have taken Honours at the B.A. examn. External students may take the M.A. examn. 2 yrs. after graduation in Arts. Candidates may only take 1 branch or section at a time. In most there is a *viva-voce* examn.

The D.Lit. is open to M.A.'s and Ph.D.'s only (except as regards students

excused under Statutes 113 and 129—v. p. 114), and is conferred for original work; minimum age—30, or 5 yrs. after passing Ph.D. or M.A. examn.

Diplomas. Teacher's, 1 yr. course for graduates and others similarly qualified (also for External students); Fine Art (3 yrs.); Dramatic Art (2 yrs.); Slavonic studies (2 yrs.); History (4 yrs. part-time or 1 yr. full-time); History of Art (4 yrs. part-time or 2 yrs. more intensive); Anthropology (2 yrs.); Journalism (2 yrs.); Literature (4 yrs. part-time or 1 yr. full-time); Town Planning and Civic Archit. or Civic Engin. (2 evenings a week for 2 terms or 1 day a week for 3 terms); Academic Dip. in Geog. (180 hours); External Dip. in Geog.; Sociol., etc. (v. *infra*, Econ.); Librarianship (2 yrs. for day students, 3-5 yrs. for evening students); Academic Dip. in Psychology; Academic Dip. in Theology.

SCIENCE. For the Interm. examn. Pure or Applied Maths. or Physics must be taken with 3 other subjects. For Final (General) examn. any 3 of the following may be selected: Pure Maths., App. Maths., Astron., Physics, Chem., Geol., Bot., Zool., Physiol., Psych., Anthrop., Milit. Studies, Logic and Method (Ext. students), Statistics (Int. students). For B.Sc. (Special) examn. a student selects 1 principal and (except in case of Human Anatomy and Morphology or Maths.) 1 subsidiary subject. Honours may be awarded at both B.Sc. (General) and B.Sc. (Special) examn. Internal students may take the B.Sc. "by research" (v. p. 114). For the M.Sc. for Internal students a thesis is required except in Maths.

Among other subjects of advanced study which may be offered by candidates for the M.Sc. degree is "The Principles, History and Method of Science." University College, King's College, and the Imperial College co-operate in providing a course in this subject.

For the Degree in Agric. the Interm. examn. includes Chemistry, Botany, Zoology, and Physics; the Final—Agric., Bio-Chem., Agric. Bot., and Agric. Engin. In Horticulture the subjects for the Interm. are Chem., Bot., Zool., Physics, Geol., and Surveying; for the Final, Practice of Hortic., Bookkeeping, Principles of Hortic., and Entom. For the Degree in Vet. Sc. there are 4 examns. to be taken in their proper order: Prelim. (Inorganic Chem. and Physics), Interm. Pt. I. (Organic Chem., General Biol., and Vet. Anat.), Pt. II. (Vet. Physiol.), and Final (Vet. Pathol. and Vet. Hyg.). There is no Doctorate in Agric. or in Vet. Sc., Bachelors of Science (Agric. or Vet. Sc.) being held to be eligible for the ordinary D.Sc. For the Degree in Household and Social Science there are 3 examns.: 1st Interm. (Phys., Inorg. Chem., Biol., and Social and Econ. Hist.); 2nd (Chem.—Org. and Phys., Gen. and Econ. Biol., Principles of Econ.); and Final (App. Chem., Physiol. and Bio-Chem., Hygiene and Bacteriol., and Household Work). For the Degree in Estate Management there are 2 examns., Interm. and Final. Interm.: Pt. I.—Surveying, Econ., and Agric. or Town Planning; Pt. II.—Accounting and Land Law; (Pts. I. and II. may be taken separately). Final: Pt. I.—Land and Buildings Valuation, Taxation and Tithe, Land Law; Pt. II.—Building Construction, and *either* A (Agric., Forestry, Agric. Law) *or* B (Town Planning, Urban Pub. Sanitation, Munic. and Local Govt. Law). Pts. I. and II. may be taken separately.

THEOLOGY. The Interm. course is in Bibl. Langs., Greek, Lat., and Psych. and Ethics; the Final in Old Test., New Test., Bibl. and Hist. Theol., Church Hist., Philos. Introdn. to Theol., and a selected subject. The Honours examn. is distinct from the Pass, and may be taken 1 yr. after graduation in Div.; the subjects are Hebrew and Aramaic, including Syriac, Greek N.T. and Apocrypha, Church Hist., Bibl. and Hist. Theol., Study of Religion. Candidates for the D.D. degree must have taken Honours in Theol. in this Univ.

LAWS. The subjects of the Interm. course are Rom. Law, Engl. Const. Law and its Hist., Jurispr., and Crim. Law and Crim. Procedure, *or* Indian Penal Code and Crim. Procedure. Candidates for the LL.M. degree are examined in two selected subjects. Candidates for the LL.D. degree before 1929 must have taken Honours at the LL.B. examn. or subsequently unless specially exempted.

MEDICINE. The course extends normally over 5½ yrs. In the first yr. courses in Inorg. Chem., Phys., and Genl. Biol. in preparation for the 1st examn. for Med. degrees are taken. The 2nd and 3rd yrs. are devoted to Org. Chem. (the only subject at Pt. I. of the 2nd examn.), Hum. Anat. and Embryol., Physiol., Pharmacol. Pt. II. of the 2nd examn. is normally taken 18 mos. after passing the 1st. In the Final course for the M.B., B.S. degrees the subjects are divided into 2 groups as follows: Group I.—Med., Path., For. Med. and Hyg.; Group II.—Surg., and Obstetrics and Gynæcology. The groups may be taken separately or together, but degrees are not conferred until candidates have passed in both groups.

Institutions outside the U.K. certificates from which for the complete course of Med. educn., including Clin. Med. and Surg. preparatory to the M.B., B.S. degrees, are accepted by the Univ. of London: Univs. of Bishop's Coll., McGill, Adel. (with Infirmary), Melb. (with Melb. and Alfred Hospls.), Syd. (with Infirmary and Prince Alfred Hospl.), N.Z. (with Dunedin Hospl.); following Indian Med. Colleges—Grant (Bombay), Bengal (Calcutta), Lahore, Madras; Med. Coll., Colombo; Univ. of Malta; Sch. of Med., Cairo.

The M.D. may be taken in any of the following: Med., Path., Psych. Med., Midw. and Dis. of Women, State Med., Trop. Med.

The M.S. may be taken in Surg., Dent. Surg., Ophth., or Laryn., Ot., and Rhin.

For the M.D. or M.S. a thesis or published work may be submitted.

The course for the B.D.S. extends normally over 5 years—there are four examns. The subjects of the Final examn. are Dental Surgery, Operative D.S. and Orthodontics.

B.Pharm. The Intermediate subjects are Botany, Chemistry, Physics, and Zoology, and the Final subjects are Botany, Chemistry, Pharmacognosy, and Pharmacy.

Diplomas. Psychological Medicine; Nursing.

MUSIC. The subjects for the Interm. examn. are Harmony and Counterpoint, Form and Analysis, and Hist. of Mus. For the B.Mus. the subjects of examn. are Composition, Hist. and Criticism of Music. Every candidate for the B.Mus. must submit a musical exercise. For the D.Mus. there is a written examn., and a musical exercise is also required.

ENGINEERING. Interm. examn. subjects: Pure Maths. and Applied Maths., Heat, Elec. and Magn., Engin. Drawing and Design, and either Sound and Optics or Chem. or Geol. In the Final examn. in *Engin.* not less than 5 subjects are taken, a wide choice being allowed; in *Mining* 6, of which Mining Geol. and Mineral., Mining, Mine Surveying, Mineral Dressing, and Assaying are compulsory; in *Metall.* 6, of which Metall., Metall. Analysis, Metallography and Pyrometry, Electro-Metall., and Fuel and Refractory Materials, are compulsory. For an Honours degree in Engin., Mining, or Metall. at least 1 extra subject must be taken at the Final examn. and a higher standard reached in all the subjects taken.

ECONOMICS. The Interm. examn. for B.Sc. (Econ.) is in 2 parts, which may be taken together or on different occasions. Pt. I.—Elements of Econ., Geog., Mathematics or Logic or French or German. Pt. II.—English Econ. Hist.,

British Constitution or Elements of English Law. For the Final—Econ., Hist. of the Great Powers, Political Sc., and a selected subject. Passages are set from French and German works for translation and comment.

For the B.Com. the Interm. examn. is in 2 parts, which may be taken together or on different occasions. Pt. I.—Elements of Econ., Geog., an approved Modern Lang. Pt. II.—English Econ. Hist., accounting as applied to Traders and Trading Companies, or a subsidiary Approved Mod. Foreign Lang. The B.Com. examn. is in 2 parts: I.—the Present Organization of Industry, Banking, Trade, and Transport; Econ. Development of the Empire; Elements of Comml. Law; Statistical Method; II.—A selected group of subjects.

Diplomas. Academic Dip. in Sociology and Social Administration (2 yrs.' course, at least 150 hours in each); Dip. in Economics and Social Sc. (4 yrs.' part-time or shorter full-time course).

MILITARY EDUCATION. See Appendix I. Military Studies is one of the optional subjects for the Interm. and Final B.A. (Pass) and B.Sc. (General) examns. The Officers' Training Corps Contingent supplied 4200 officers for the war, of whom 650 are known to have fallen.

POST-GRADUATE STUDY AND RESEARCH. In most of the Colleges and Schools of the Univ. special arrangements are made for Research students, and the facilities offered are not restricted to Internal graduates of the Univ. Under Statutes 113, 113*a*, and 129 External graduates and graduates of, and persons who have passed the degree examns. of, other approved Univs. are allowed, under certain conditions, to enter as Internal students for the degree of Bachelor or Doctor in the several Faculties (but not in Medicine and Surgery), and for the degree of Master of Arts, of Laws, or of Science. Application for registration may be submitted with evidence of graduation, etc., through the authorities of the College, School, or Institution at which the applicant proposes to study, and supported by their certificate of his fitness to undertake a course of study or research with a view to the proposed degree, and that they are willing to supervise his work. An Overseas student may himself submit an application on the prescribed form, and the Univ. will, if so requested, advise as to the selection of the College, 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 applications should reach the Univ. by May 1, or, if from Australia or New Zealand, March 1, to enable them, should their applications be successful, to enter upon their course of study in Oct., *i.e.* at the beginning of the Session. Students whose applications are approved are required to pursue a course extending over at least 2 yrs. (v. *infra*—Publications).

An Internal student who is a candidate for the Ph.D. degree must have graduated in the Univ. in the faculty of Theology, Arts, Music, Science, Engineering, or Economics, or have been registered as a candidate for the degree under Statute 113 or 129. An Internal student is further required to pursue a course of study of not less than two years' full-time, or four years' part-time, training in research and research methods. Any graduate of the Univ. may become a Candidate for the Ph.D. degree as an External Student on receiving the approval of the Council for External Students.

The B.Sc. degree, in the Faculties of Science and Econ., may also be taken "by Research" by Internal students under Statute 112. Candidates must have attained the age of 19 and must have passed the Interm. examn. The research must extend over at least 2 yrs.

FEES.—Matricn.—2½ gs.; Examn. and Graduation—15 gs. (Med., 29 gs.) for first Degree. Other Degree fees, 10 to 20 gs. Tuition, see the sections relating to the several colleges.

STUDENTSHIPS AND SCHOLARSHIPS. Studentships are awarded by the Senate in aid of advanced work or research. These include one of £50 p.a. for 1 or 2 yrs., open to students of Univ. Coll. in Maths.; one of £100 in Archæology; one of £50 in Physiology; £100 and £140 in Arts; £100 in Econ.; £200 for the man or woman who, being resident in London and a graduate of the Univ., has done most in the preceding 5 yrs. to advance Medical Art or Science; £200 for a graduate of a British Univ. for the promotion of post-graduate research; 2 Univ. *Travelling Scholarships* of £275 each, open to Internal and External graduates in all faculties, and 3 Univ. studentships of £150 each, open to Int. and Ext. graduates in Theol., Arts, Laws, Music, and Engineering. The Gilchrist Trustees provide funds for two Studentships, viz. one of £100 for a woman graduate preparing for a profession; and one in Mod. Langs., £80, open to a B.A. who took Honours in French or German, for a course of study abroad with a view to the profession of teaching. Three Scholarships of £50 each for 1 yr. are awarded annually for proficiency in Oriental Langs. The Scholarships Pamphlet obtainable post free on application to the Univ. gives details of many others. See also next para.

THE COMMERCE DEGREE BUREAU exists to help in their studies External (especially extra-London) students proposing to take the Commerce Degree examns., to assist in the employment of Commerce Degree students and graduates at home and abroad, to provide a reference and lending library for students, and generally to promote the value and usefulness of the Commerce degree. Offices were opened in 1922 under a Board of Governors at 46 Russell Square, W.C.1, where the work of the Bureau is associated with the general UNIVERSITY APPOINTMENTS BOARD work. There is a Bureau Educational Advisory Staff (Chief Advisor: Prof. A. J. Sargent, M.A.). Prospectus and enquiry forms obtainable on application to the Secretary, H. J. Crawford, B.A.

The *Sir Ernest Cassel Travelling Scholarships* (4) of £200 to £300 each, open to British students who pass Part I. of Final Examn. in Commerce in 1925, and propose to pursue study of Commerce abroad.

RESIDENCE. Hostels recognized by the Senate: Univ. Hall of Residence, 10 and 11 Carlyle Square, Chelsea; Univ. Coll. Hall, Ealing, for 52 men students (fees for residence, 30s. to £3 a week); College Hall, Byng Place, Gordon Square, W.C., for women students; King's Coll. Theological Hostel, Vincent Square; The Platanes, Denmark Hill, S.E., for King's Coll. and its Med. School. Residence is also provided at or in connexion with the S.E. Agric. Coll., Wye, Bart's, Guy's and Middlesex Hospl. Med. Schools, the Theological Colleges at Hampstead and Highbury, and the Women's Colleges.

A UNION SOCIETY on the lines of those of Oxford and Cambridge was founded in March 1921. Address—University Union, Malet St., W.C.1. There is also an ASSOCN. OF LONDON GRADUATES. A UNIVERSITY COUNTRY CLUB at Chequers was formed (by a private company) in 1924.

UNIVERSITY EXTENSION DEPARTMENT. The work of the *Board to Promote the Extension of Univ. Teaching* falls under the following heads: (*a*) Univ. Extension Lectures and Tutorial Classes for Working-people; (*b*) Holiday Courses for Foreigners; (*c*) Inspection and Examn. of Schools; (*d*) Examn. for the Certif. in Religious Knowledge; (*e*) Examn. for Certificate of Proficiency in English and examns. for the Certifs. in Danish, French, German, Italian, Norwegian, Russian, Spanish, and Swedish; (*f*) Examns. for Diplomas

in History, Literature, Economics and Social Science, History of Art; (*g*) Examn. for Diploma in Psychological Medicine; (*h*) Examn. for Diploma in Dramatic Art; (*i*) Examn. for Diploma in Nursing.

(*a*) *Univ. Extension Lectures* have been carried on by the Board since 1902 (prior to that, since 1876, by the London Society for the Extension of Univ. Teaching). The work is restricted to the area within 30 miles of the Central Offices of the University. Courses are held, at about 60 centres, on Hist., Lit., Art, Econ. and Social Sc., Philos., Psychology, and Nat. Sc. A class is held in connexion with each lecture, and students are encouraged to do regular paper-work for the lectr. An examn. for certifs. may be held at the end of each Sessional (24 or 25 lectures) or Terminal (10 or 12 lectures) course. A few short courses (5 or 6 lectures) of a *pioneer* or illustrative kind are arranged; in connexion with these there is no examn. Continuous study over several years is encouraged by the Vice-Chancellor's Certif. of Continuous Study (awarded to students who obtain 4 Sessional Certifs. in subjects chosen from certain groups) and by the *Diplomas in the Humanities* (Hist., Lit., Econ. and Social Science, Hist. of Art), awarded, under the Seal of the Univ., to students who carry on an approved co-ordinated course of study covering 4 yrs., and pass the required examns. *Diplomas in History* and *Literature* are also awarded on the result of One Year Full-time study.

The *Tutorial Classes for Working-people* are under the immediate direction of a Joint Committee of 7 members nominated by the Board and 7 nominated by the Workers' Educational Association. The classes extend over 3 consecutive years, and membership is usually limited to about 24 students, who undertake to attend regularly and to do regular paper-work for the tutor. Certifs. are not awarded. There were 48 classes in 1925–26.

(*b*) A *Holiday Course* for Foreigners is held annually in London during four weeks from the middle of July. Special stress is laid upon Phonetic teaching. The course is designed to widen the student's knowledge not only of the Engl. Lang., but of English customs, institns., and art, by means of lectures, classes, excursions, etc. The total number of students admitted to the course is limited to about 260, and the number in each class to 8. During the 19 years 1904–1914 and 1919–1926 the course was attended by 4490 students from 42 countries.

(*c*) *Inspection and Examination of Schools.* A close relationship between examination and inspection has been carefully and continuously developed by the Univ. Extension Board. The County Councils of Surrey and Middlesex have placed their Secondary Schools to the number of 66 under the Univ. for regular inspection and for the holding of the School examns., the local authority in each case making a special financial arrangement with the Univ. The Board of Educn. and the Univ. inspect alternately and exchange Reports.

Inspection may include either a general inspection of the whole school or a special inspection of certain subjects or groups of subjects. It may be so combined with the Certificate examns. that these form an integral part of it. It may also include an examn. carried on by the Inspectors and the Staff of the school in co-operation. This system of combined inspection and examn. is known as Examinational Inspection, and is capable of considerable variation to meet the requirements of any particular school.

The *Examinations for School Certificates* are held only in Schools inspected by the Univ. or under other approved inspection; the course of study in the school must also be approved. The examns. are of 3 grades: I. Higher, II. General, and III. Junior; for I. the (*a*) Higher School, (*b*) Intermediate (Arts or Science or Commerce or Economics) Certificate; II. the (*a*) School,

(*b*) Matricn., or (*c*) School Commercial Certif.; and III. the Junior School Certif., respectively. Certifs. I. (*a*), II. (*a*), and II. (*c*) are not awarded until the pupil leaves school. The examn. fees are from 1 to 3 gs.; or 6 gs. if for Intermediate Cert.

The *Higher and General School Examinations* are recognized by the Board of Education as "Second" and "First" examns. (v. p. 4) respectively, and the Certifs. I. (*a*) and II. (*a*) awarded to candidates attending schools recognized by it as efficient Secondary Schools are attested by it. A candidate who takes the *Higher* with a view to qualifying for an External Intermediate Certif. offers for examn. the same syllabuses as those of the Ext. Interm. examns. The combination of subjects that may be taken at the General School examn. offers greater variety than is the case in the Matricn. examn., and a pupil who reaches the necessary standard at one and the same examn. in a combination required for Matricn. is entitled on payment of the registration fee of 17s. 6d. to be registered as a Matriculated student of the Univ., if or when he has attained the prescribed age.

The *Junior School Examination* is intended for pupils about the age of 15.

In the case of each of the School examns. an Inspector visits the school for the purpose of conducting an oral examn. in such Mod. Langs. as are taken. Practical examns. in Science are optional, except in the case of grade I., in which they form an essential part of the examn.

(*d*) The *Examination for the Certificate in Religious Knowledge*, instituted in 1909, is held once a year in June. It may be held at certain of the Provincial centres at which the June Matricn. examn. is appointed to be held, as well as in London.

(*e*) *Examinations for the Certificates in French and in German* (instituted in 1913), in *Italian, Russian, and Spanish* (instituted in 1919), and in *Danish, Norwegian, and Swedish* (instituted in 1921), are held in July or as may be arranged; in *English* ((1) for foreigners, (2) for English born; instituted in 1920) in Aug. or as may be arranged. They are intended primarily for teachers who are not specialists in, but who require a Certif. testifying to their practical working knowledge of, the language, both spoken and written.

(*f*) The *Examinations for the Diplomas in History*; *Literature*—English Lang. and Lit. or General Lit.; *Economics and Social Science*; *History of Art*—are held once a year for students who have followed a recognized course of study for 4 yrs. as part-time students or for a shorter period as full-time students.

(*g*) The *Examn. for the Diploma in Psychological Medicine* is held twice a year, in March and Apr. and in Oct. and Nov., and is open to candidates whose names are in the Medical Register. There are two varieties of this Dip., for those desiring to specialize in Mental Diseases and in Mental Deficiency respectively.

(*h*) The *Examn. for the Diploma in Dramatic Art* is held once a year, in July, and is open to students of not less than 17 years whose general education satisfies the Board and who have studied at least two years at Training Schools or Institutions where courses have been approved.

(*i*) The *Examn. for the Diploma in Nursing* is held once a year in October and November, and is open to Registered Nurses (or Nurses eligible to sit for the prescribed examn. for registration) whose general education satisfies the Board, subject to certain specified conditions with regard to Part B of the Examn.

[*Further information and copies of the Regns. may be obtained from the University Extension Registrar, University of London, South Kensington, S.W. 7.*]

PUBLICATIONS. The following are obtainable from the Univ. of Lond. Press, Ltd., 10-11 Warwick Lane, London, E.C.4. :

The Calendar, pubd. in Sept., price 6s. net, postage 9d. *Regns. and Courses for Internal Students* (the " Red Book "), pubd. in Sept., 2s. 6d., postage 9d. The Courses are pubd. separately for the several Faculties, The *Regulations for External Students* (the " Blue Book "), pubd. in Sept., 1s. 6d. net, postage 6d. ; *London Univ. Gazette*, pubd. at average intervals of 4 weeks ; the Examn. Lists are pubd. in Supplts. ; annual subs., including postage, 5s. ; single no., 7d. *Matriculation Pamphlet*, issued after each Examn., containing the Regns. and Examn. Papers, 1s. 8d. post free. *Examn.* Papers, published as soon as possible after the several Examns. ; prices vary from 1s. 1d. to 3s. 10d. *Libraries of London* : a Guide to Students, by R. A. Rye, Goldsmiths' Librarian, 2nd edition, 2s. 6d. (new edition in preparation). *Historical Record of the Univ.*, pubd. in 1912 ; contains (*a*) a Hist. of the Univ. ; (*b*) the Univ. Charters, and Acts of Parliament referring to the Univ. ; (*c*) former Fellows ; (*d*) Donations and Trusts ; (*e*) Graduates ; (*f*) persons to whom prizes, etc., have been awarded, and other information of historical interest ; 5s. net., postage 6½d. *Students' Magazine, New Troy*, fortnightly.

Regulations. The following may be obtained on application to the Univ. : Regns. for Matricn. ; Regns. for Int. and for Ext. Students (pubd. separately) for Degrees in Arts, Science, Agric., etc. ; for the various Diplomas and Certificates in special subjects ; for Ph.D. Degree ; Scholarships pamphlet. Applications for any of these should be addressed to the Principal.

O.T.C. Handbook obtainable from the Secy., 46 Russell Sq., W.C.1.

Regns. for Admission of Students from other Univs. as Candidates for Higher Degrees (except in Med. and Surg.), Regns. under Statute 129, and *Regns. under Statutes* 113*a* and 125*a*, obtainable from the Academic Registrar.

THE YEAR 1925–26

BENEFACTIONS. Parliamentary grant increased from £377,695 to £462,150 ; Sir Daniel Stevenson, £20,000 for a (part-time) Chair of International History and for development of a department connected with it ; Miss S. L. Gibbs bequest, £150 p.a. for studentship for cancer research.

NEW POSTS. Samuel Davidson Chair of Old Testament Studies. University Chair of Military Studies. At University College : Readership in Physiology. At King's College : Chair of French Language and Literature ; Readerships in Civil and in Mechanical Engineering. At London School of Economics: Chair of Political Science. At Westfield College : Readership in English. At Birkbeck College : Readership in Classics. At Univ. Coll. Hosp. Medical School : Chair of Obstetric Medicine. At London School of Hygiene and Tropical Medicine : Chairs of Bacteriology and Immunology and of Epidemiology and Vital Statistics ; Readership in Medical Entomology.

OTHER DEVELOPMENTS. Music and Law were placed on the list of optional subjects for the Intermediate Examination in Arts and the B.A. Pass Examination. M.A. degrees in Slavonic Studies for Internal and in Geography for External students, LL.M. degree, an Academic Diploma in Anthropology and a Diploma in Nursing were instituted. Arrangements were made for holding at the Medical Schools the practical tests in certain subjects of the Second M.B. Examination, and for conducting the practical examinations in Botany, Chemistry, Physics, and Zoology for the final examinations in Arts (Pass) and Science at Colleges and Schools. A scheme was approved for the conduct of the Final B.Sc. (Special) and B.Sc. (Engin.) Examns. for internal students at the Imperial College.

The Senate adopted the principle that the minimum salary of a University Professor should, ordinarily, be £1000 p.a. and that of a University Reader £500.

The courses in Journalism were increasingly popular (enrolment 74), and were strengthened on their practical side.

Land for a Sports ground was purchased and progress was made towards acquiring a Boat-house.

The report of the Departmental Committee on the reorganization of the University was accepted by Government, and preparations for giving effect to it by legislation were made.

STUDENTS. Total admissions in the year 1925 were 8760, of whom 2092 were exempted from the ordinary matriculation examination : 321 as graduates of other Universities, 1546 as holders of approved certificates, and 225 after examination under Statute 116. Of 4228 candidates for first degrees, 2503 were internal and 1725 external. The total number of internal students on the rolls was 9400.

UNIVERSITY EXTENSION. Number of Lecture Courses : Sessional (24 or 25 Lectures), 39 ; Terminal (10 or 12 Lectures), 33 ; Short (5 or 6 Lectures), 44. Terminal entries of Students for all Courses, 13,697. Humanities Diploma Students, 524. Number of University Tutorial Class Students, 887.

The Holiday Course for Foreigners was more popular than ever—400 applications for admission had to be refused. There were 256 students, representing 22 nationalities.

VISITORS who lectured in the Univ. : Profs. Sir T. Edgeworth David of Sydney (Geology, 3 lectures) ; H. C. Notcutt of Stellenbosch (English) ; Sir Jagadis C. Bose of Calcutta (Botany, 1 lecture) ; L. Denoel of Liège (Mining, 4) ; Nils Bjerrum of Copenhagen (Chemistry, 3) ; F. Balensperger of Paris (French, 2) ; F. Delattre of Lille (English, 1) ; L. Eisenmann of Paris (Slavonic studies) ; P. Fort (French, 3) ; J. Hackin of Paris (Archæology, 3) ; L. Halphen of Bordeaux (History, 1) ; P. Hazard of Paris (French, 3) ; E. de Martonne of Paris (Geography, 2) ; G. Monod of Paris (Hygiene, 3) ; J. Plattard of Poitiers (French, 2) ; E. Vermeil of Strasbourg (History, 2) ; R. Binding (German Lit., 4) ; H. Gressmann of Berlin (Theology, 3) ; E. Herzfeld of Berlin (Persian Archæology, 5) ; H. Kantorowicz of Freiburg i/B (Economics, 2) ; H. Schneider of Tübingen (German, 3) ; F. Weigert of Leipzig (Physiology, 1) ; A. Sommerfeld of Munich (Physics, 3) , A. Andreades of Athens (Anglo-Hellenic relations, 3) ; C. Ariens Kappers of Amsterdam Hersensinstitut (Zoology, 4) ; C. Gini of Rome (Statistics, 3) ; G. Salvemini of Florence (Political History, 6) ; K. Liestol of Oslo (Norwegian Saga, 3) ; D. A. Seip of Oslo (Norwegian Language) ; V. Parvăn of Bucharest (Archæology, 1) ; B. M. Alexeir of Leningrad (Chinese Religion and Art, 5) ; Y. Henderson of Yale (Physiology).

UNIVERSITY OF LONDON, UNIVERSITY COLLEGE

CHAIRMAN OF THE COLLEGE COMMITTEE—THE VISCOUNT CHELMSFORD, G.C.S.I., G.C.M.G., G.C.I.E., G.B.E.

VICE-CHAIRMAN—Sir JOHN ROSE BRADFORD, K.C.M.G., C.B., C.B.E., M.D., D.Sc., F.R.C.P., F.R.S.

TREASURERS—F. V. SCHUSTER, B.A.; A. DIGBY BESANT, B.A., F.I.A.

PROVOST—Sir GREGORY FOSTER, B.A., Ph.D.

DEANS OF FACULTIES. See under " General Information "—Faculties.

SECRETARY—.....

TUTOR TO WOMEN STUDENTS—EDITH GOODYEAR, B.Sc.

LIBRARIAN—J. A. WILKS, M.A.

PROFESSORS, LECTURERS, ETC.

Anatomy

Smith, G. Elliot, M.A. Camb., Litt.D., M.D., M.S. Syd., D.Sc., F.R.C.P., F.R.S. Prof.

Hill, J. P., D.Sc. Edin., F.R.S. Prof. (*Embryol.*).

Woollard, Herbert, M.D., B.S. Melb. Asst. Prof.

Harris, H. A., M.B., B.S., B.Sc., F.Z.S. Sr. Demr. & Curator.

3 Hon. Lectrs. (2 *Radiology*, 1 *Cytology*) and 3 Hon. Research Assts.

7 Demrs. and Assts.

Anthropology, Cultural [Reader.

Perry, W. J., M.A. Camb.

Archæology, v. also Ass., Egyp.

Gardner, E. A., Litt.D. Camb. Yates Prof.

Architecture [Prof.

Richardson, A. E., F.R.I.B.A.

Adshead, S. D., M.A. Liv., M.Arch., F.R.I.B.A. Prof. (*Town Planning*).

Stratton, Arthur, F.R.I.B.A., F.S.A. Reader and Tutor.

Jaggard, W. R., F.R.I.B.A. Lectr. (Building Constn.).

Corfiato, H. Sr. Asst.

3 Assts.

Art (*Fine Arts*)

Tonks, H. Slade Prof.

Borenius, Tancred, Ph.D. Helsing. Durning Lawrence Prof. (History of Art).

Russell, W. W., R.A. Asst. Prof.

Steer, P. Wilson Asst. Prof.

Mawson, Sidney Lectr.

Porter, A. T., M.A. Camb. Lectr.

Child, C. Koe Sr. Asst.

6 Assts.

Assyriology

Pinches, T. G., LL.D. Glas. Lectr.

Astronomy, v. Maths.

Bio-Chemistry, v. Physiol.

Botany

Oliver, F. W., M.A. Camb., D.Sc., F.R.S. Quain Prof.

Hill, T. G., A.R.C.S. Reader (Plant Physiol.).

Haas, P., Ph.D. Freib., D.Sc. Reader (Plant Chem.).

Salisbury, E. J., D.Sc. Reader (Plant Ecol.).

Cutting, E. M., M.A. Camb. Sr. Asst.

1 Asst., 1 Demr.

Celtic

Flower, R. E., B.A. Ox. Lectr.

Chemistry

Collie, J. Norman, Ph.D. Würz., LL.D. Glas., D.Sc. Liv. and Belf., F.R.S.
Prof. (Organic C.) and Dir. of Labs.

Donnan, F. G., C.B.E., M.A., Ph.D. Leip., D.Sc. Liv., F.I.C., F.R.S. Prof. (General C.).

Brady, O. L., B.A. Cape, D.Sc., F.I.C. Reader (Org. C.).

Garner, W. E., D.Sc. Birm. and Lond. Reader (Physical C.).

Evans, H. J., B.Sc.
Sr. Lectr. (Med. Students).

Goodbody, F. W., B.A. Dub., M.D. Lectr. (Med. C.).

Terrey, H., B.Sc.
Lectr. (Inorganic Analyt.).

Asst. Lectrs.:

Gilbert, L. F., B.Sc.

Bailey, C. R., B.A., M.Sc.

Barratt, S., B.A.

Day, J. N. E., B.Sc., A.R.C.S., A.I.C.

Sowerby, A. L. M., B.A., M.Sc.

Thierry, E. H., M.Sc.

Bonniksen, C. W., B.Sc.

1 Hon. Lectr.

Chemical Engineering

Williams, E. C., M.Sc. Manc.
Ramsay Prof.

Moore, Burrows, M.Sc., Ph.D., F.I.C. Asst. Lectr.

Classics

Smiley, M. T., M.A. Dub.
Prof. (Greek).

Butler, H. E., M.A. Ox.
Prof. (Latin).

Solomon, L., M.A. Ox. Sr. Lectr.

Pocock, L. G., M.A. Asst. Lectr.

2 Assts.

Danish, v. Scand.

Dutch History

Geyl, P., Lit.D. Leyd. Prof.

Dutch Lang. and Lit. [Reader.

Haantjes, J., Lit.Doctr. Utrecht

Economics, v. Polit.

Economic Geography, v. Geog.

Egyptology and Coptic

Petrie, Sir Flinders, D.C.L. Ox., LL.D. Aberd., F.B.A., F.R.S.
Edwards Prof.

Murray, Margaret A. Asst. Prof.

1 Hon. Asst.

Embryology, v. Anatomy

Engineering, Electrical

Clinton, W. C., B.Sc., M.I.E.E.
Pender Prof.

Fleming, J. A., M.A. Camb., D.Sc., F.R.S.
Spl. Lectr. in *Electro-Communications*.

Hawkins, C. C., M.A. Ox., M.I.E.E.
Lectr.

Barlow, H. E. M., B.Sc., Ph.D.
Asst. and Lectr. (Design).

1 Asst.

Engineering, Civil and Mechanical, v. also next heading.

Coker, E. G., M.A. Camb., D.Sc. Edin., F.R.S., M.Inst.C.E. (*Dean*) Prof.

The Prof. of Munic. Eng.
Reader (Surveying).

Davidge, H. T., B.Sc., M.Inst.E.E.
Sr. Lectr.

Lloyd-Evans, B. J., B.Sc.
Sr. Lectr.

Barker, A. H., B.A., B.Sc.
Lectr. (Heating and Ventilating).

Cookson, A. C., M.Inst.C.E.
Lectr. (Railway E.).

Cunningham, Brysson, D.Sc. Belf., B.E. N.U.I., M.Inst.C.E.
Lectr. (Waterways, Harbours, and Docks).

Sprague, E., A.M.Inst.C.E.
Sr. Asst.

Webb, A. E., B.Sc., A.M.Inst.C.E.
Sr. Lectr.

Collins, H. J., M.Sc. Birm. Sr. Lectr.
1 Demr., 1 Asst.

Engineering, Municipal
Ormsby, M. T. M., A.R.C.S. Dub., M.Inst.C.E.I. (Reader in *Surveying* also) Chadwick Prof.
1 Asst.

English [Quain Prof.
Chambers, R. W., M.A., D.Lit.
Sisson, C. J., M.A. Edin., D.-ès-L. Dijon Reader.
Grattan, J. H. G., B.A. Sr. Lectr.
Blackman, Elsie, M.A. Sr. Lectr.
Doughty, O., M.A., B.Litt. Ox. Sr. Lectr.
Foster, Sir Gregory, B.A., Ph.D. Stras. Lectr.
Baker, E. A., M.A., D.Lit. Lectr.
Batho, Edith C., M.A. Sr. Asst.
Hitchcock, Elsie V., B.A., Ph.D. Sr. Asst.
1 Asst., 1 Demr.

Eugenics and Applied Statistics
Pearson, Karl, M.A. Camb., LL.D. Aberd. and St. And., F.R.S. Galton Prof.
Pearson, E. S., M.A., D.Sc. Sr. Asst.
Elderton, Ethel M. Asst. Prof., Galton Research Fellow.
Stocks, P., M.A., M.D., B.Ch. Camb., D.P.H. Reader in Med. Statistics.
4 Assts. and 2 Hon. Research Assts.

French, v. also Hist.
Brandin, L. M., M.A., Ph.D. Greifs. Fielden Prof.
Jeaffreson, J. W., M.A. Sr. Lectr.
Stéphan, E. M. Sr. Lectr.
Schlumberger, Beatrice J., M.A. Sr. Asst.
1 Hon. Asst., 1 Asst., 1 Demr.

Geography.
Lyde, L. W., M.A. Ox. Prof. (Economic G.).
Shackleton, Margaret R., B.A. Sr. Asst.
Matthews, H. A., B.A. Sr. Asst.
Forde, C. D., B.A. Asst. Lectr.
The Prof. of Munic. Engineering Reader (Surveying).

Geography, Physical, Geology and Mineralogy
Garwood, E. J., M.A., Sc.D., F.R.S. Yates-Goldsmid Prof.
Elsden, J. V., D.Sc. Lectr.
Goodyear, Edith, B.Sc. Sr. Asst.
Chubb, L. J., M.Sc. Asst. Lectr.
1 Asst.

German
Priebsch, R., Ph.D. Graz Prof.
Robertson, J. G., M.A., B.Sc. Glas., Ph.D. Leip. Prof.
Perrett, W., B.A., Ph.D. Jena Reader.
Norman, F., M.A. Asst. Lectr.
1 Asst.

Hebrew, v. also Semitic
..... Goldsmid Prof.

History, v. also Art and Medicine
Montague, F. C., M.A. Ox. Astor Prof. (Mediæval & Modern H.).
Pollard, A. F., M.A. Ox., Litt.D. Manc., F.B.A. Prof. (English H.).
Davis, Eliza Jeffries, M.A. Reader (London H.).
Aston, Maj.-Gen. Sir George, K.C.B. Lectr. (Military H.).
Seton, Walter W., M.A., D.Lit., F.S.A. Hon. Lectr. (Scottish H.).
Thornley, Isobel D., M.A. Asst. Lectr.
Bellot, H. H., M.A. Sr. Lectr. (English H.).
Vaucher, Paul, D.-ès-L. Paris Prof. (Mod. *French* H.).
Cary, M., M.A., D.Litt. Ox. Reader (Ancient H.).

Baynes, Norman H., M.A. Ox.
Reader (Roman Empire).
3 Assts.

History and Method of Science
Wolf, A., M.A. Camb., D.Lit.
Prof. (Logic & Scientific Method).
3 Assts.

Hygiene and Public Health
Delafield, M. E., B.A., M.B., D.P.H.
Acting Head of Department.
Foulerton, A. G. R., F.R.C.S., D.P.H. Camb. Lectr.
Marchant, F. T., M.R.San.I.
Sr. Asst.

Italian
Gardner, E. G., M.A., Litt.D. Camb. Prof.
Pellizzi, C., Dr.J. Sr. Lectr.
Cippico, Senator A., Dr. J. Graz
Hon. Lectr. (Modern I. Lit.).
Bassani, A. M., Dr. J. Sr. Asst.

Journalism [Tutor.
Solomon, Lawrence, M.A. Ox.

Law, v. p. 175

Librarianship
Baker, E. A., M.A., D.Lit.
Director and Lectr.
Wilks, J. A., M.A. Asst. Dir.
Lectrs. :
Esdaile, Arundell, M.A. (Bibliography)
Prideaux, W. R. B., B.A. (Cataloguing and Indexing).
Sayers, W. C. Berwick (Classification).
Fovargue, H. West (Pub. Lib. Law).
Headicar, B. M. (Lib. routine).
Galbraith, V. H. (Palæog. and Archives).
Chambers, Prof. R. W. (Literary History).

Mathematics (Applied) and Mechanics
Filon, L. N. G., B.A. Camb., M.A., D.Sc., F.R.S.
Prof. and Dir. of Observatory.
The Senior Lectr. (Davidge) in Civil and Mech. Engin.
Harris, H. J., B.A. Sr. Lectr.
Jessop, H. T., M.Sc. Sr. Lectr.
Gregory, C. C. L., M.A. Camb., F.R.A.S.
Asst. Lectr. (*Astronomy*).
Stevenson, A. C., B.Sc.
Asst. Lectr.
1 Asst.

Mathematics (Pure) [Astor Prof.
Jeffery, G. B., M.A., D.Sc.
Wren, T. L., M.A. Camb.
Reader (Geom.).
Titchmarsh, E. C., B.A. Ox.
Reader (Math. Analysis).
Harris, H. J., B.A. Sr. Lectr.
Howland, R. C. J., M.A., M.Sc.
Sr. Lectr. to *Engineering* students.
Wood, Florence M., M.A. Sr. Asst.
2 Assts.

Medicine, History of
Singer, C., M.D., D.Litt. Ox. F.R.C.P. Lectr.
2 Hon. Research Assts.

Military Studies
..... Lectr.

Norwegian, v. Scand.

Pharmacology
Verney, Prof. E. B., M.A., M.B., B.Ch. Prof.
Winton, F. R., M.A., M.D. Asst.
1 Asst.

Philology
Thomas, F. W., M.A., Ph.D.
Lectr. (Comparative P.).

Philosophy and Psychology
Hicks, G. Dawes, M.A., Litt.D. Manc., Ph.D. Leip.
Prof. (Philos.).
Spearman, C., Ph.D. Leip., F.R.S.
Grote Prof. (Mind & Logic).
Flugel, J. C., B.A. Ox. Sr. Lectr.
Philpott, S. J. F., B.Sc.
Asst. Lectr.

Hopkins, Prynce, Ph.B., M.A. Hon. Asst. Lectr.
2 Assts. and 2 Hon. Demrs.

Phonetics

Jones, Daniel, M.A. Camb. Prof.
Armstrong, Lilias E., B.A. Sr. Lectr.
Jones, S., B.Sc. Wales Supt. of Laboratory.
Ward, Ida C., B.Lit. Durh.
Lloyd-James, A., M.A. Camb. Hon. Lectr.

Sr. Assts.:

Coustenoble, Hélène
Quick, Edith E., B.A.
Firth, J. R.
Holdsworth, Hyacinth M.
Lund, Sophie C.
Ward, Ida C., B.Lit.
1 Asst.

Physics [Prof.

Porter, A. W., D.Sc. Melb., F.R.S.
Wood, D. Orson, M.Sc., A.R.C.S., F.Inst.P. Sr. Lectr.
Richards, R. C., B.A. Camb., M.Sc. Quain Lectr.
Bates, L. F., B.Sc. Bris., Ph.D. Camb., F.Inst.P. Asst. Lectr.
Eumorfopoulos, N., B.Sc. Hon. Research Asst.
Cassie, A. Morris, M.A. Edin., B.Sc. Asst. Lectr.
3 Assts., 1 Demr.

Physiology

Evans, C. A. Lovatt, D.Sc., M.R.C.S., F.R.S. Jodrell Prof.
Drummond, J. C., D.Sc., F.I.C. Prof. (*Bio-Chem.*).
Harris, D. T., D.Sc., M.B., B.S. Wales, Ch.B. Manc. Asst. Prof.
Hemingway, A., M.Sc., M.B., Ch.B. Sr. Asst.
Cannan, R. K., M.Sc. Sr. Asst. (Bio-Chem.).
Starling, E. H., C.M.G., M.D., B.S., Sc.D. Camb. and Dub., F.R.C.P., F.R.S. Foulerton Prof. (Royal Soc.).
Hill, A. V., M.A., Sc.D., F.R.S. Foulerton Prof. and Univ. Prof.
6 Assts., 5 Hon. Research Assts., 2 Demrs.

Political Economy

Foxwell, H. S., M.A. Camb., F.B.A. Prof.
Bowley, A. L., Sc.D., F.B.A. Newmarch Lectr.

Scandinavian Studies

Prof. Robertson Director.
Helweg, J. H., Cand. Mag. Copenhagen Lectr. (Danish).
Gröndahl, I. C., Cand. Mag. Christiania Lectr. (Norwegian).
Kihlbom, Asta M., Fil. Dr. Uppsala Lectr. (Swedish).

Semitic (North) Epigraphy

Hirschfeld, H., Ph.D. Stras. (Goldsmid Lectr. in Hebrew) Lectr.

Statistics, v. Eugenics

Surveying, v. Engineering, Munic.

Tibetan

Thomas, F. W., M.A. Camb., Ph.D. Munich Reader.

Town Planning, v. Archit.

Zoology and Comparative Anatomy

Watson, D. M. S., M.Sc. Manc., F.R.S. Jodrell Prof.
Fraser, Elizabeth, D.Sc. Sr. Lectr.
Stephenson, T. A., D.Sc. Sr. Asst.
2 Assts., 2 Hon. Research Assts.

GENERAL INFORMATION

Address—Gower St., W.C.1. Telegrams—University College, London. Telephone—8101 Museum.

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.

LIBRARIES (containing, in all, 286,000 bound volumes and pamphlets): (1) General, including Barlow (Dante), Blackburne (Law), Carnegie (American History and Institns.), Field (Fine Art), Graves (Maths.), Leighton (Philos.) Morris, Quain (Law), Ricardo (Polit. Econ.), Strong (Oriental), and Whitley Stokes (Celtic) collections, and the Bentham MSS.; (2) Science, including Fownes (Chem.), Graham (Chem.), and Grant (Zool.) collections, and an exceptionally complete collection of scientific journals; (3) Medical Sciences, including Sharpey (Anat. and Physiol.) collection; (4) Special Arts Libraries for: Archit., Classical Archæol. (Yates), Classics and Anc. Hist., Egyptol. (Edwards), English, French, German, Geography, Italian, Hist., Jewish Hist. and Antiq. (Mocatta), Librarianship, London Hist., Philos. and Psychol., Phonetics, and Scandinavian.

MUSEUMS. Anat., Archit., Bot., Egypt., Engin., Geol. and Mineral., Vulcanological (Johnston-Lavis Collection), Zool. Two Astron. OBSERVATORIES.

FACULTIES. Arts, Laws, Science, Engineering, Medical Sciences. Deans: Prof. Hicks (Philos.), G. H. Hurst, Prof. Porter (Physics), Prof. Coker, Prof. Clark (Pharmacology).

COURSES. Arts, Laws, Science, Engineering, Medical Prelim. and Intermediate, Hygiene. Open to students of both sexes. The Arts Faculty includes Slade School of Fine Art, School of Librarianship, School of Journalism, and Bartlett School of Archit. The Engineering Faculty includes Departments of Civil and Mechanical (with sub-depts. of Graphics, Surveying, and Heating and Ventilating), Electrical and Municipal Engineering. A *Diploma* in Engin. is given after a 3 yrs.' course, and *Certificates* in Engin. (2 yrs.); a Diploma in Archit. (5 yrs.) and a Certificate in Archit. (3 yrs.).

All departments of the College are available for POST-GRADUATION AND RESEARCH WORK, and the respective Professors are always prepared to advise such students desirous of undertaking research, whether for higher degrees or otherwise.

DEPARTMENT OF APPLIED STATISTICS. The *Francis Galton Laboratory for National Eugenics* was founded in 1904 for the study of those agencies under social control that may improve or impair the racial qualities of future generations, either physically or mentally. It is open to Research students in Eugenics of both sexes. The *Drapers' Company's Biometric Laboratory*, founded 1895, for the statistical study of biological problems, possesses a good collection of calculating machines, integrating mechanisms, moment-finders, as well as a large series of statistical models, measuring instruments, etc. Research workers can start any time during the session, but, unless attending the lectures in the Dept., are expected to have a preliminary training either in Biology or Maths.

Courses of Instruction are given on Statistics and cognate subjects, and also short courses of popular lectures. Fees (for Research workers): per

Term, £4 : 14 : 6. A Fee of 17 gs. per session admits to the Eugenic and Biometric Labs. on all days and to all lectures, as well as to the use of the Library and of the material in the Archives. Fee for use of calculating machines, 1½ gs. per term. For list of publications, v. *infra.*

THE BARTLETT SCHOOL OF ARCHITECTURE was established by the combination of the Archit. Schools of University and King's Colleges. The Certificate (3 yrs.) and Diploma (5 yrs.) courses are recognized by the R.I.B.A. as exempting from the R.I.B.A. Intermediate and Final examns. respectively. The accommodation includes three large Studios, a Museum, a Cast Gallery, a Library, a Lecture Theatre, and a Class Room. Rooms are also provided for the Department of Town-Planning instituted in Oct. 1914. The day work is supplemented by evening classes in design. There is an Atelier for graduates and advanced students.

FOREIGN STUDENTS are admitted to the College on the same terms as British. They are expected to produce identification papers. In August a *Vacation Course* is held in Phonetics and Spoken English (Director : Prof. Daniel Jones). Men attending that Course can reside at University College Hall, Ealing. Special courses in Aspects of British Life and Civilization take place *throughout the session.* The Secretary will always advise foreign students by correspondence or personal interview as to the cost of residence in London and as to suitable houses. The Ramsay Memorial Fellowships in Chemical Science founded by certain Foreign Governments are tenable at Univ. Coll., London, among other places ; four Fellows from overseas are now working there.

FEES. Composition for 3 sessions' course in Arts—98 to 105 gs. ; 5 sessions' course in Archit.—228 gs. ; B.Sc.—135 to 140 gs. ; Engin.—168 gs. ; Econ.—21 gs. per session ; Med. for 1st examn.—35, 2nd—80 gs. ; Laws—Day 24 gs., Evening 18 gs. per session ; Fine Art—28 gs. per session ; for Higher Civil Service—50 gs. (35 gs. to those who have taken undergraduate course at the College).

SCHOLARSHIPS, ETC. Annual value, about £3200 (including £750, Entrance Scholarships).

RESIDENCE. A Hall for 52 men at Ealing, £2 to £3 a week. One for women in Byng Place, W.C.1.

PUBLICATIONS. *Calendar* (Oct.), 3s. 6d. ; *Annual Report* ; *University College Magazine* ; the various Faculty and Departmental Prospectuses ; *Prospectus* of post-graduate courses and arrangements for research. Dept. of Applied Statistics : *Annals of Eugenics*, a Journal for the scientific study of Race Problems, vols. i. and ii. ; *Eugenics Lab. Memoirs* (i.-xxiii.) and *Lecture Series* (i.-xiii., popular exposition of conclusions) ; *Treasury of Human Inheritance* (13 parts). *Biometrika* Journal (i.-xviii.) ; Drapers' Company Research Memoirs, *Biometric Series* (i.-xii.), and *Studies in Natural Deterioration* (i.-xii.) ; Drapers' Company *Technical Series* (i.-vii.) ; *Tracts for Computors* (i.-xiv.). Ephemeral papers published in *Questions of the Day and the Fray* (i.-xii.).

THE YEAR 1925–26

PRINCIPAL BENEFACTIONS. Annual : Drapers' Company, £500 for Biometric Lab. ; per Italian Ambassador, £300 for Italian ; Chadwick Trustees, £100 for Municipal Engineering ; £500 for Chemical Research (anonymous) ; late Mr. W. W. Rouse Ball, £500 for institution of a Loan Fund for men students taking Mathematics or Science ; Special Committee in Copenhagen (through the Danish Minister), £3500 for endowment of the Queen Alexandra Lecture-

ship in Danish; Mrs. Wheals bequest, £1500 for institution of a Scholarship for Senior Women Students. For the *Library*: From the King and Queen, 107 Danish books from the Library of the late Queen Alexandra; Sir John Rotton bequest, £500, 11,000 books, 2000 pamphlets, 18 book-cases, etc.; the Theological and Historical portions of the Library of the late Dr. Israel Abrahams (purchased by subscriptions raised under the auspices of the Jewish Historical Society); W. W. Rouse Ball bequest, £500; Lady Bayliss, £12 : 10s. *Medals and Prizes*: Antonio Cippico Bronze Medal and Prize in Italian; Sir John MacAlister Bronze Medal in Librarianship; Concrete Publications, Ltd., £25 for designs in Reinforced Concrete; Messrs. W. G. Foyle, £5.

RECONSTRUCTION AND RE-EQUIPMENT of buildings to be War Memorial Great Hall. (Funds for purpose subscribed as part of War Memorial and Centenary Appeals.)

NEW POST. Honorary Lectureship in Cytology.

OTHER NEW DEVELOPMENTS. "Queen Alexandra Lectureship" (endowment provided mainly through Committee in Copenhagen under the patronage of H.R.H. the Crown Prince of Denmark and Chairmanship of Rear-Admiral C. Carstensen).

RETIREMENT: Prof. J. A. Fleming (Electrical Engineering). RESIGNATIONS: Prof. A. V. Hill (Jodrell Chair of Physiology), to be Foulerton Prof. of Royal Society and University Professor at the College), succeeded by C. A. Lovatt Evans, from St. Bartholomew's; Prof. A. J. Clark (Pharmacology), to be Prof. of Materia Medica, Edinburgh, succeeded by E. B. Verney, from Univ. Coll. Hospital Med. School; E. R. Adair, Senior Asst., to be Prof. of History, McGill Univ.; G. V. Anrep, Reader, to be Lecturer in Physiology, Univ. Cambridge; Major Greenwood, Reader in Med. Statistics, to be Univ. Prof. of Epidemiology and Vital Statistics, at Lond. Sch. Hygiene and Trop. Med.; A. D. Hobson, Asst., to be Lectr. in Zoology, Edinburgh; J. C. Irwin, Asst., Applied Statistics and Eugenics, to be Statistician to Anglo-Persian Oil Co.; A. Lloyd James, Senr. Asst., Phonetics, to be Lectr. in Phonetics, Royal Academy of Dramatic Art and Sch. of Oriental Studies; Hilary Jenkinson, Asst. in Palæography and Archives, School of Librarianship, to be Reader in Diplomatic, King's College; M. Kinoshita, Asst. Heating and Ventilating Engineering, to take post at Institute of Physical and Chemical Research, Tokio; C. N. H. Long, Demr. in Physiology, to take post in McGill Univ.; L. Newcombe, Asst. Director, School of Librarianship, to be Principal Executive Officer and Librarian, Central Library for Students; S. Northeast, Asst. in Physics, to be Physics Master, Central Secondary School, Sheffield; J. H. Smith, Asst. Lecturer in Physics, to be Prof. of Physics, School of Engineering, Gizeh, Cairo; E. Tyler, Asst. in Physics, to be Lectr. in Physics, College of Technology, Leicester. DEATH: Miss Winifred Smith.

OTHER IMPORTANT OCCURRENCES. Centenary Appeal for sum of £500,000 formally launched at Mansion House Luncheon, Jan. 29, 1926; amount already subscribed, over £72,000. Visit of the Prince of Wales, May 28, 1926, for opening new Obstetric Hospital and Nurses' Home (gift of Rockefeller Foundation, New York) of Univ. Coll. Hospital.

STUDENTS. Full-time: total, 1635 (including 723 women); graduate students, Arts and Pure Science, 133 (women 32), Medicine 16, Law 11, Engineering 14; preparing for first degree, Arts, etc. 708 (w. 366), Med. 170 (w. 41), Law 55 (w. 5), Engin. 81 (w. 2), Archit. 16 (w. 7); other full-time students, Arts, etc. 342 (w. 258), Med. 18 (w. 1), Engin. 16, Archit. 54 (w. 10). Resident in hostels, 100 (w. 66). Students from abroad, 281.

Part-time : total, 1573 (w. 746) ; graduate, Arts, etc. 201 (w. 71), Med. 14 (w. 1), Law 5, Engin. 28, Archit. 19 (w. 1) ; degree students, Arts, etc. 9 (w. 4), Med. 3, Engin. 3 ; diploma, Arts, etc. 193 (w. 95), Med. 78 (w. 24), Archit. 2 ; Occasional, Arts 947 (w. 544), Med. 10 (w. 4), Law 10 (w. 1), Eng. 4, Archit. 47 (w. 1).

Degrees obtained : B.A., 86 (w. 56) ; B.Sc., 88 (w. 24) ; LL.B., 12 (w. 2) ; B.Sc.(Eng.), 25 ; M.A., 14 (w. 5) ; D.Lit., 1 ; Ph.D., 22 (w. 3) ; LL.D., 1 ; M.Sc., 24 (w. 6) ; D.Sc., 12 (w. 1) ; D.Sc.(Eng.), 1 ; M.D., 1.

UNIVERSITY OF LONDON, KING'S COLLEGE AND KING'S COLLEGE FOR WOMEN

CHAIRMAN OF THE DELEGACY—VISCOUNT HAMBLEDEN.

VICE-CHAIRMAN—A. J. ALLEN.

TREASURER—Sir EDWARD TROUP, K.C.B., K.C.V.O., LL.D.

PRINCIPAL—ERNEST BARKER, M.A., D.Litt. Ox., LL.D.

DEANS OF FACULTIES. See under "General Information"—Faculties.

SECRETARY—S. T. SHOVELTON, M.A. Ox.

TUTOR TO WOMEN STUDENTS—ADA E. LEVETT, M.A. Ox.

LIBRARIAN—F. W. WALTON, M.A.

PROFESSORS, LECTURERS, ETC.

Anatomy, Descrip. and Surgical

Barclay-Smith, E., M.A., M.D., B.Ch. Camb. Prof. (A. and Anthrop.).

Gladstone, R. J., M.D., C.M. Aberd., D.P.H., F.R.C.S. Reader (Human Embryology) and Lectr. (A. and Anthrop.).

Compton, A, F.R.C.S. Lectr. (Applied A.).

2 Demrs.

Anthropology, v. Anat.

Art, Ecclesiastical

Dearmer, P., D.D. Ox. Lectr.

Assyriology

Gadd, C. J., M.A. Ox. Hon. Lectr.

Smith, S., M.A. Camb. Hon. Lectr.

Bibliography, v. English

Biology, v. Zool.

Botany and Plant Biology

Gates, R. Ruggles, M.A. Mt. Allison, B.Sc. McG., Ph.D. Chic., F.L.S. Prof.

Schwartz, E. J., M.A., D.Sc. Lectr.

Chapman, R. E., M.Sc. Leeds Asst. Lectr.

Demrs.

Chemistry

Smiles, S., O.B.E., D.Sc., F.R.S., F.I.C. Daniell Prof.

Allmand, A. J., D.Sc. Liv., F.I.C. Prof.

Cremer, H. W., M.Sc., F.I.C., A.M.I.Chem.E. Senr. Lectr.

Fairbourne, A., M.A. Ox., M.Sc. Manc., F.I.C. Lectr.

Salmon, C. S., M.Sc. Bris. Lectr.

Asst. Lectrs.:

Dolley, L. G. F., B.Sc., Ph.D.

Gray, L. T. M., B.Sc.

McClelland, E. W., D.Sc., Ph.D., A.I.C.

2 Demrs.

Classics, v. also History

Thomson, J. A. K., M.A. Prof.

The Principal Lectr.

Knight, Clara M., D.Lit. Reader.

Hall, E. B., M.A. Lectr.

Handford, S. A., B.A. Ox. Asst. Lectr.

Bevan, E. R., O.B.E., M.A., D.Litt. Ox., LL.D. St. And. Lectr. (Hellenistic Greek and *History*).

Czecho-Slovak, v. Slav.

Economics, v. Hist.

Education
Wilson, J. Dover, M.A. Camb., Litt.D. Prof.
Hill, J. C., M.Sc Durh. Lectr.
Farrow, Betsy, M.A. Asst. Lectr.
James, B. C. L., M.A. Ox. Asst. Lectr.
1 Asst.

Engineering, Civil
Jameson, A. H., M.Sc. Manc., M.I.C.E. Prof.
Lobban, C. H., D.Sc. (Eng.), A.M.I.C.E., M.I.Struct.E. Sr. Lectr.
White, C. M., B.Sc. Asst. Lectr.

Engineering, Electrical
Wilson, Ernest, M.I.C.E., M.I.E.E. Siemens Prof.
Robertson, F. Steele, M.I.E.E. Sr. Lectr.
Clarke, H. M., B.Sc., B.Sc. (Eng.) Lectr.

Engineering, Mechanical
Cook, Gilbert, D.Sc. Manc., A.M.I.C.E., M.I.Mech.E. Prof.
Davies, S. J., M.Sc. Durh., B.Sc. (Eng.), M.I.Mech.E. Reader.
Campbell, H. G., M.Sc. (Eng.) Durh., A.M.I.Mech.E. Lectr.

English
Gollancz, Sir Israel, Litt.D. Camb., F.B.A. Prof.
Pollard, A. W., C.B., M.A. Ox., D.Litt. Durh. Prof. (E. *Bibliography*).
Reed, A. W., M.A., D.Lit. (also Tutor for *Journalism* courses) Reader.
Day, Mabel, M.A., D.Lit. Lectr. (E. *Philology*).
Ingram, E. Gwendolen, M.A. Lectr. (E. *Philology*).
Isaacs, J., B.A. Ox. Asst. Lectr. (E. Lit.).
Harrison, G. B., M.A. Camb. Asst. Lectr. (E. Lit.).
1 Asst.

French
Saurat, D., D.-ès-L. Prof.
Stone, Louise W., M.A. Reader (Romance Philol.).
Hughes, R. W., M.A. Ox., Dip. d'E.S., Paris Lectr.
Jones, R. A., B.A. Asst. Lectr.
McKechnie, Margaret M. McL., M.A. Glas., L.-ès-L. Asst. Lectr.
2 Assts.

Geography
The Profs. of Botany, Geol., Civil Engin., Imperial Hist., Physics (in conjunction with staff of London School of Economics).

Geology
Gordon, W. T., M.A. Camb., M.A. Edin., D.Sc. Prof.
Wells, A. K., D.Sc. Lectr.
Wooldridge, G. W., M.Sc. Asst. Lectr.

German
Atkins, H. G., B.A. Camb., M.A., D.Lit. Prof.
Steppat, J., Ph.D. Vien., B.A. Reader.
Buchheim, Emma S. Lectr.
Haltenhoff, A. G. Lectr.
Rose, W., M.A., Ph.D. Lectr.

Greek, Modern, and Byzantine Hist. [Koraes Prof.
Marshall, F. H., M.A. Camb.

Hebrew
Hollis, F. J., B.D. Lectr.

Histology, v. Physiol.

History, v. also Classics, Greek, Slav., Roum.
Hearnshaw, F. J. C., M.A. Camb., LL.D. Dub. Prof.
The Principal Lectr.
Newton, A. P., B.Sc., D.Lit. Rhodes Prof. of Imperial H.
Warmington, E. H., M.A. Reader in Ancient H.

Sykes, N., M.A., D.Phil. Ox., M.A. Leeds
Lectr. (Mediæval H.).
Levett, Ada E., M.A. Ox. Lectr.
Chew, Helena M., M.A.
Asst. Lectr.
O'Donnell, Beatrice A. M., B.A.
Asst. Lectr.
Jenkins, C., M.A. Ox., D.D.
Prof. (Eccl. H.) and Reader (Greek and Latin Palæog.)
Conway, R. S., M.A., Litt.D., F.B.A.
Lectr. in *Latin Palæog.*
Jenkinson, Hilary, M.A. Camb.
Reader (Diplomatic and English Archives).
1 Asst.

Household and Social Science, v. *infra*

Italian
del Re, Arundell, M.A. Lectr.

Journalism, v. English

Law, v. p. 175

Materia Medica and Pharmacology
Inchley, O., M.A., M.D. Camb.
Lectr.

Mathematics
White, S. A. F., M.A. Ox. Prof.
Jolliffe, A. E., M.A. Ox. Prof.
Dale, J. B., M.A. Camb., B.A.
Asst. Prof.
Shovelton, S. T., M.A. Ox. Lectr.

Asst. Lectrs. :
Henderson, J., M.A., B.Sc.
Bath, F., B.Sc. Bris.
Davies, H. R., B.Sc.
Heath, A. C., B.A.
Combridge, J. T., M.A. Camb., M.Sc.

Military Science
Maurice, Maj.-Gen. Sir Frederick B., K.C.M.G., C.B. Prof.

Palæography, v. Hist.

Pharmacology, v. Mat. Med.

Philology, v. English, French, Slavonic

Philosophy, v. also Psych.
Carr, H. Wildon, D.Litt. Durh.
Prof.
Oakeley, Hilda D., M.A. McG.
Reader.
Matthews, W. R., M.A., D.D.
Prof. of the Philosophy of Religion.

Phonetics, v. English

Physics
Appleton, E. V., M.A. Camb., D.Sc. Wheatstone Prof.
Richardson, O. W., M.A. Camb., D.Sc., F.R.S.
Yarrow Research Prof. (Royal Society's).
Flint, H. T., D.Sc. Birm., D.Sc., Ph.D. Reader.
Worsnop, B. L., B.Sc. Lectr.
Williams, W. E., B.Sc. Lectr.
Fisher, Joseph W., B.Sc., Ph.D.
Asst. Lectr.
2 Demrs.

Physiology
McDowall, R. J. S., M.B. Edin., D.Sc., Ch.B. Prof.
da Fano, C., L.D. Pavia, M.D.
Reader (*Histology*).
de Souza, D. H., M.D., D.Sc., F.R.C.P. Lectr.
Hewitt, J. A., D.Sc., Ph.D. St. And., A.I.C. Lectr.

Hon. Lectrs. :
Negus, V. E., M.B., Ch.M., F.R.C.S. (Laryngology).
Pickering, J. W., D.Sc. (Hæmatology).
3 Demrs.

Polish, v. Slav.

Portuguese [Camoens Prof.
Prestage, E., M.A., D.Litt.
Bentley, W. A. Lectr.

Psychology
Aveling, F. A. P., D.D. Rome, Ph.D. Louv., D.Sc. Reader.
Hadfield, J. A., M.A. Ox., M.B., Ch.B. Edin. Lectr.
Bartlett, R. J., M.Sc. Lectr.
2 Hon. Demrs.

Romance, v. French

Roumanian
Beza, M., L. ès L. Lectr.
Steed, H. Wickham
Lectr. in Social and Economic History.

Russian, v. Slav.

Serbian, v. Slav.

Slavonic Studies
Pares, Sir Bernard, K.B.E., M.A. Camb.
Prof. (Russian Hist.), Dir. of the Dept.
Jopson, N. B., B.A. Camb.
Reader (Comparative S. Philology).
Raffi, Arshak
Lectr. (Russian Lang.).
Mirsky, Prince D. S., of Petrograd and Kharkov Univs.
Lectr. (Russian Lit.).
Williams, H., Ph.D. Munich
Lectr. (Russian Ethnog.).
Meyendorff, Baron A. F., of Petrograd
Reader (Russian Institutions, etc.).
Wharton, L., M.A. Ox.
Lectr. (Polish Lang. and Lit.).
Seton-Watson, R. W., D.Litt. Ox., Ph.D. Prague and Zag.
Masaryk Prof. (Central European *History*).
Subotić, D., Ph.D. Munich
Reader (Serbo-Croatian Lang. and Lit.).
Vočadlo, O., Ph.D. Prague
Lectr. (Czecho-Slovak Lang. and Lit.).
Evans, Ifor L., M.A., B.Sc. (Econ.).
Lectr. (Economic Hist. of Central Europe and the Balkans).

Spanish Studies
Pastor, A. R., B.Litt. Ox., D.Ph. Madrid Cervantes Reader.
Villasante, J. M., LL.D. Madrid
Sr. Lectr.
Perry, Janet, M.A. Lectr.
Carey, J. R., B.A. Asst. Lectr.

Theology, v. p. 158

Zoology and Animal Biology
Huxley, J. S., M.A. Ox. Prof.
MacKinnon, Doris L., D.Sc. Aberd.
Reader.
Tribe, Margaret, D.Sc.
Lectr. & Demr.
2 Demrs.

Household and Social Science Department

Biology [Reader.
Esdaile, Philippa C., D.Sc. Manc.
Crofts, Doris, M.Sc. Asst. Lectr.

Chemistry
Tinkler, C. Kenneth, D.Sc. Birm., B.Sc. Lond. and Wales, F.I.C.
Prof.
Jackman, Agnes, B.Sc., A.I.C.
Lectr.
Paterson, M. Joyce, B.A. Ox. ,,

Economics and Business Affairs
Reynard, Helen, M.A. Ox. Lectr.
Stanners, Harold, B.Sc. (Econ.)
Lectr.

Household Work
Lindsay, Jessie Sr. Lectr.
Wood, Edith Lectr.
Tress, Helen Asst. Lectr.

Institutional Administration
Shirras, Florence E. F. Lectr.

Hygiene and Bacteriology
Proctor, Ruth, M.B., Ch.B., D.P.H., M.A. Lectr.

Dukes, Cuthbert, M.D., D.P.H., M.Sc. Lectr.
Physiology [Prof.
Mottram, V. H., M.A. Camb.
Hartwell, Gladys, D.Sc. Lectr.

Clifford, Winifred M., M.Sc. Asst. Lectr.
Physics
Dillon, Teresa J., B.Sc. Lectr.
Hamilton Smith, Eliz., M.A. Demr.

GENERAL INFORMATION

Address—Strand, W.C.2. Telephone—0207 Gerrard.

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. In 1925 the School of Slavonic Studies and the Slavonic Library were transferred to rooms in the Institute of Historical Research (Malet Street).

LIBRARY, 70,000 vols., including the Marsden (Philol. and Oriental), Skeat and Furnivall (English), Wheatstone (Electricity, etc.), Slavonic, and Byzantine and Modern Greek collections.

LABORATORIES AND MUSEUMS. Anat. (Hughes Collection), Comp. Anat., Biol., Bot., Chem., Engin., Geol. and Mineral., Mat. Med., Metall., Pharmacol., Physics, Physiol. (including Bio-Chem. and Histol.), Psych., Zool.

FACULTIES. Arts, Laws, Natural Science, Medical Science, Engineering, Theology. Deans: Prof. Atkins (German), H. J. H. Mackay, Prof. White (Maths.), Prof. Barclay-Smith (Anat.), Prof. Cook, Rev. W. R. Matthews.

Evening Class Department (classes in connexion with faculties of Theology, Arts, Laws, and Science). Dean, Prof. Sir Israel Gollancz.

DEGREE COURSES in Arts, Science, Laws, Engineering. Prelim. and Interm. courses in Medicine, and courses for the First and Second Examns. for Dental Degrees. Day Training College under the Board of Education. Dept. for training secondary Teachers (men and women).

Engineering students receive preliminary workshop training in their first year. Facilities are provided for spending half of each summer vacation in engineering works. Those taking 4-years' course spend part of each year (18 months in all) in practical training.

College Diploma course in Engineering, ordinarily 3 yrs. The *Associateship*, open to men and women who have graduated after a three-years' course and have also attended a prescribed course in Divinity. *Certificates* in Palæography, Italian, Hebrew, Spanish, Portuguese, Russian, Czecho-Slovak, Serbo-Croat, and Polish.

THE HOUSEHOLD AND SOCIAL SCIENCE DEPARTMENT (Warden—Miss Helene Reynard, M.A.) at Campden Hill Road, W.8, continues to be a Department of

King's College for Women, though in the main practically separate. It provides full degree courses for the B.Sc. in H. and S.Sc. Tuition Fees, 45 gs. per session. Residence from 75 to 93 gs. Number of full-time students in 1926, 147.

ADVANCED STUDY. Special facilities in English (including Bibliography), History (especially Mediæval, Colonial, Naval, Eastern Europe, and Ancient), Slavonic, Spanish, Portuguese, Modern Greek, Education, and several Depts. of Science.

FEES. Tuition per Session, including fees for games, library, and union society: Arts, 30 to 37 gs. (Psychology, Honours course, 34 gs.); Science, 35 to 50 gs.; Med., 35 to 40 gs.; Laws, 18 to 24 gs.; Engin., 48 to 60 gs.

SCHOLARSHIPS FOR GRADUATES. In Arts 2, aggregate value £115 p.a.; Science 3, ag. value £290 p.a.

RESIDENCE. Two hostels for men (one Theol. for 65 men and one general for 80 men), and one for (50) women (these Hostels are recognized by the Board of Education); also Q. Mary's Hostel and Annexe in the Household and Social Sc. Dept. buildings at Campden Hill with accommodation for 130.

A REGISTER OF FORMER STUDENTS is maintained, in which changes of address are recorded without charge.

PUBLICATIONS. Separate Syllabus for each Faculty post free. *Calendar*, 4s. 6d. post free; K.C. *Review*; K.C. *Magazine* (Students—Household and Social Science Dept.).

THE YEAR 1925–26

BENEFACTIONS. The Rhodes Trustees, increase of grant to the Rhodes Chair of Imperial History to £600 p.a.; the Roumanian Govt., additional grant for increase of salary of the Lectr. in Roumanian; anonymous, gift of post-graduate scholarship for Czecho-slovak students; Miss Marshall, Prize for students of Slavonic languages; Dr. Inchley, Prize in Pharmacology.

NEW BUILDINGS, ETC. A mezzanine floor built across the Wheatstone Laboratory and George III. Museum, providing 3000 feet of additional accommodation for the Department of Physics, at a cost of £4500. Rooms on the top floor of what was once the Principal's House reconstructed to accommodate the Psychological Department, at a cost of £1200.

OTHER NEW DEVELOPMENTS. House libraries instituted at each of the College Hostels. The Koraes Chair re-established. College Professorships of French and German made full University Chairs. New Readerships in Diplomatic and English Archives, in English Law and in Mechanical Engineering, new Lectureship and Asst. Lectureship in Education. A day course in the Faculty of Laws.

INTERCHANGE OF TEACHERS. Prof. Wildon Carr spent the session in the Univ. of California, and Prof. Gordon delivered courses of lectures in the Univs. of Toronto and Chicago during the Long Vacation. Among visitors who lectured at King's College were: Dr. Edward Benes, Foreign Minister of the Czecho-slovak Republic, Herr Rudolf Binding, M. Paul Fort, Prof. Andreades of Athens, Prof. Salvemini of Florence, Prof. Louis Eisenmann of the Institut d'Études Slaves at Paris, Prof. Delattre of Lille, Prof. Gressmann of Berlin. Miss M. E. Cranswick was awarded a Commonwealth Fund Fellowship; Miss N. Edmed won a Senior Fellowship at Smith College, Mass.

RESIGNATIONS. F. S. Shears (appointed Prof. of French, Univ. of Aberdeen); W. E. Curtis (Prof. of Physics, Armstrong College); C. A. Geneve (Prof. at Royal School of Engineering, Giza, Egypt); Dr. Hemingway (Senior Asst. in Physiology, Univ. Coll.); Dr. Reeves (appointment at St. Bartholomew's Hosp. Med. School); G. Patchin (Principal of Sir John Cass Technical Institute). *Retirements*: Prof. V. Spiers, Dr. C. D. Webb.

STUDENTS. Full-time: total, 1236 (including 411 women); graduates, Arts and Pure Science, 112 (w. 31), Law 2, Engin. 6; preparing for first degree in Arts and Pure Sc. 526 (w. 273), Medicine 127 (w. 38), Law 13, Engin. 99, Theol. 24 (w. 4); other full-time, Arts and Pure Sc. 139 (w. 50), Med. 82 (w. 15), Engin. 22, Theol. 84. Residing in hostels, 126 (w. 63). From other countries, 40.

Part-time: total, 3358 (w. 851); graduates, Arts and Pure Sc. 91 (w. 26), Med. 7, Engin. 28, Theol. 14; degree students, Arts and Pure Sc. 131 (w. 66), Law 35 (w. 6); diploma, Arts and Pure Sc. 200 (w. 140), Med. 160 (w. 100), Theol. 46 (w. 10); Occasional, Arts and Pure Sc. 605 (w. 410), Med. 38 (w. 3), Law 1911 (w. 30), Engin. 9, Theol. 83 (w. 60).

Pre-matriculation: 119 (w. 24), including Theol. 53 (w. 13).

DEGREES OBTAINED: B.A., 83 (w. 60); B.Sc., 86 (w. 24); B.Sc.Eng., 31; LL.B., 8 (w. 1); D.Lit., 1 (w.); Ph.D., 12 (w. 2); M.A., 12 (w. 6); M.Sc., 8 (w. 1).

SCHOOLS OF THE UNIVERSITY

IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY

VISITOR—H.M. THE KING.

CHAIRMAN OF THE GOVERNING BODY—Rt. Hon. LORD BUCKMASTER.

RECTOR—Sir THOMAS HOLLAND, K.C.S.I., K.C.I.E., D.Sc., LL.D., F.R.S.

SECRETARY—A. GOW, M.A., B.Sc.

ASSISTANT SECRETARY AND SECRETARY TO THE DELEGACY—G. C. LOWRY, B.A.

REGISTRAR—JOHN JONES.

PROFESSORS, LECTURERS, ETC.

Aeronautics

Bairstow, L., C.B.E., A.R.C.S., F.R.S. Prof. (Aviation).
Walker, Sir Gilbert T., C.S.I., M.A., Sc.D., Ph.D., F.R.S. Prof. (*Meteorology*).
Hill, F. T., A.F.R.Ae.S., M.I.Ae.E. Asst. Prof. (Design).

Lectrs.:

Richmond, V. C., O.B.E., B.Sc., A.R.C.S. (Airships).
Rowe, A. P., B.Sc. (Navign.).
Farren, W. S., M.B.E., M.A. Camb. (Strength of Structs.).
Moss, H., D.Sc., A.R.C.S., D.I.C. (Engine Design).
Stern, W. J., B.Sc., A.R.C.S., D.I.C. (Engine Design).

2 Demrs.

Astrophysics [Prof.

Fowler, A., A.R.C.S., F.R.S. (Yarrow Research Prof.)

Bio-Chemistry [Prof.

Schryver, S. B., Ph.D. Leip., D.Sc.

Biology, v. also Bot., Zool.

Tabor, R. J., B.Sc., F.L.S. Asst. Prof.
Paine, S. G., D.Sc., F.I.C. ,, ,,
Brown, W., M.A., D.Sc. ,, ,,
Hewer, H. R., A.R.C.S., B.Sc., D.I.C. Lectr.
Howarth, F., B.Sc., A.R.C.S. Lectr.
Henderson, F. Y., M.A., D.Sc. Lectr.

4 Demrs.

Botany

Farmer, Sir John B., M.A., D.Sc. Ox., LL.D. Edin., F.R.S. Prof.
Blackman, V. H., M.A., Sc.D. Camb., F.R.S. Prof. (Plant Physiol. and Path.).
Groom, P., M.B.E., M.A. Ox. and Camb., D.Sc. Ox., B.Sc. Birm., F.R.S. Prof. (Tech. of *Woods & Fibres*).
Brown, W., D.Sc. Asst. Prof. (Plant Path.).

4 Research Plant Physiologists.

Chemical Technology

Bone, W. A., D.Sc. Manc., Ph.D. Heid., F.R.S. Prof.
Hinchley, J. W., A.R.S.M., F.I.C., M.I.Chem.E. Prof. (*C. Engineering*).
Finch, G. I., M.B.E., Dip. T.C. Zürich Lectr.

..... Lectr. (*Fuel*).
Hancock, W. C., B.A. Camb., F.I.C. Lectr. (*Refr. Mat. & Silicates*).
Ure, S. G. M., M.A., B.Sc. Glas., M.I.Chem.E. Lectr.
1 Demr.

Chemistry
Baker, H. Brereton, C.B.E., M.A., D.Sc. Ox., F.R.S. Prof.
Thorpe, J. F., C.B.E., D.Sc. Manc., Ph.D. Heid., F.R.S. Prof. (Organic C.).
Philip, J. C., O.B.E., M.A., D.Sc. Aberd., Ph.D. Gött., F.R.S. Prof. (Physical C.).
Whiteley, Martha A., O.B.E., D.Sc., A.R.C.S. Asst. Prof.
Harwood, H. F., M.Sc. Manc., Ph.D. Heid. Lectr.
Eldridge, A. A., B.Sc., F.I.C. Lectr.
Sugden, J. N., Ph.D., D.I.C. Lectr.
Ellingham, H. T., B.Sc. Lectr.
Bull, P. C., D.S.O., A.R.C.S. Lectr.
Kon, G. A. R., M.A., D.Sc., D.I.C., F.I.C. Lectr.
8 Demrs., 1 Asst.

Engineering, Chemical, v. Chem. Tech.

Engineering, Civil, and Surveying
Dixon, S. M., M.A., M.Sc., B.A.I. Dub. Prof.
Purser, J., B.A., B.A.I. Dub., M.Sc. Birm. Asst. Prof.
Rice-Oxley, K., A.C.G.I., A.M.I.C.E. Asst. Prof.
Shearer, W. V., B.Sc. Lectr.
2 Demrs., 1 Asst.

Engineering, Electrical
Fortescue, C. L., O.B.E., M.A. Camb. Prof.
Mallett, E., D.Sc. (Eng.) Asst. Prof.
Rushton, A., M.Sc. (Tech.) Manc. Lectr.
Sims, J. W., A.M.I.E.E. Lectr.
Hopkin, D. W., A.M.I.E.E. Lectr.
Sutton, G. W., B.Sc. Lectr.
Barrett, A. H., A.C.G.I., B.Sc., D.I.C., M.I.C.E. Lectr.
5 Demrs., 1 Asst.

Engineering, Mechanical, and Motive Power
Dalby, W. E., M.A. Camb., B.Sc., F.R.S. Prof.
Witchell, E. F. D., B.Sc., A.C.G.I. Asst. Prof.
Cruickshank, A., M.I.Mech.E. Asst. Prof.
Howard, J. V., D.Sc. Asst. Prof.
Smith, S. L., D.Sc., A.C.G.I. Asst. Prof.
Lewitt, E. H., B.Sc. (Eng.) Lectr.
Cawley, G. M., A.M.I.Mech.E. Lectr.
Dyson, F., B.Sc., A.C.G.I. Lectr.
Collins, W., B.Sc., A.C.G.I. Lectr.
Long, J. N., B.Sc. Lectr.
4 Demrs., 16 Assts.

Forestry, v. Botany

Fuel, v. Chemical Technology

Geology, Mining Geol., and Oil Tech.
Watts, W. W., M.A., Sc.D. Camb., M.Sc. Birm., LL.D. St. And., F.R.S. Prof.
Cullis, C. G., D.Sc. Prof. (Econ. Mineralogy).
Davies, A. M., D.Sc., A.R.C.S. Asst. Prof. (Palæont.).
Illing, V. C., M.A. Camb. Asst. Prof. (Oil Tech.).
Evans, J. W., C.B.E., D.Sc., LL.B., F.R.S. Lectr. (Petrology).
Brammall, A., M.Sc., Ph.D., D.I.C. Lectr.
Wolf, A. Lectr.
Milner, H. B., M.A. Camb., D.I.C. Lectr.
5 Demrs.

Mathematics and Mechanics
Chapman, S., M.A. Camb., D.Sc. Vict., F.R.S. Chief Prof.

Levy, H., D.Sc. Ox., M.A., B.Sc. Edin. Prof.
Klugh, H., D.S.C., B.A. Camb. Asst. Prof.
Odell, W. L., A.R.C.S. Asst. Prof.
Dean, W. R., M.A. Asst. Prof.

Lectrs.:
Hodgson, T., B.A. Ox., B.Sc.
Milner, L. G., A.R.C.S.
Dickson, T. W., B.A. Ox.
Harvey, J., B.Sc., A.R.C.S.
Kebby, C. H., B.Sc., A.R.C.S.
Reeve, W., A.M.I.C.E., A.M.I.Mech.E.
10 Demrs., 1 Asst.

Metallurgy
Carpenter, H. C. H., M.A. Ox., Ph.D. Leip., A.R.S.M., F.R.S. Prof.
Merrett, W. H., A.R.S.M., M.I.M.M., F.I.C. Asst. Prof.
Courtman, E. O., A.R.S.M. Asst. Prof.
Dannatt, C. W., A.R.S.M., D.I.C., A.Inst.M.M., A.M.I.P.T. Lectr.
Chapple, H. M., A.R.S.M. Lectr.
3 Demrs.

Meteorology, v. Aero.

Mineralogy, v. Geol.

Mining, v. also Geol.
Truscott, S. J., A.R.S.M., M.I.M.M. [Prof.
Cooke, L. H., A.R.S.M., M.I.M.M. Prof. (Mine Surveying).
Holman, B. W., O.B.E., A.R.S.M., A.I.M.M. Asst. Prof.
Sillick, W. E. G., A.R.C.S., D.I.C. Asst. Prof.
Habberjam, C., A.I.M.M. Lectr.
Webb, A. H., M.I.M.M. Lectr.
3 Demrs.

Oil, v. Geol.

Optics, Technical [Prof.
Rankine, A. O., O.B.E., D.Sc.
Conrady, A. E., A.R.C.S. Prof. (O. Design).
Pollard, A. F. C., A.R.C.S., F.Inst.P. A.M.I.E.E. Prof. (O.E. (Mech.) and Instrument Design).
Martin, L. C., D.Sc., A.R.C.S., D.I.C. Asst. Prof.
1 Demr.

Petrology, v. Geol.

Physics, v. also Astrophysics
Callendar, H. L., C.B.E., M.A. Camb., LL.D. McG., F.R.S. Prof.
Rankine, A. O. (v. Optics). Prof.
Dingle, H., B.Sc., A.R.C.S. Asst. Prof.
Gregory, H. S., B.Sc., A.R.C.S. Asst. Prof.

Lectrs.:
Brinkworth, H., M.Sc., A.R.C.S.
Bell, Mary, B.Sc., A.R.C.S.
Green, S. E., A.R.C.S.
Archer, C. T., A.R.C.S., B.Sc.
9 Demrs.

Refractory Materials and Silicates, v. Chemical Tech.

Woods and Fibres, v. Botany

Zoology, v. also Biol. [Prof.
MacBride, E. W., M.A. Camb., LL.D. McG., D.Sc., F.R.S.
Balfour Browne, F., M.A. Camb. Prof. (Entomology).

GENERAL INFORMATION

Address—Imperial Institute Road, S. Kensington, S.W.7.
Telegrams—Scientist, Southkens, London. Telephone—6444 Kensington.

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:

The Royal College of Science.
The Royal School of Mines.
The City and Guilds (Engineering) College.

The departments and (in brackets) sub-departments are: Aeronautics (Aerodynamics, Meteorology), Botany (Bio-Chemistry, Plant Physiology and Pathology, Technology of Woods and Fibres), Chemical Technology (Chemical Engineering, and Fuel and Refractory Materials), Chemistry (Inorganic, Organic, and Physical), Engineering—Civil and Surveying, Electrical, Mechanical, and Motive Power, Geology (Economic Mineralogy, Mining Geology, Technology of Oil), Mathematics and Mechanics, Metallurgy, Mining (Mining Geology, Mining Surveying), Technical Optics (Optical Design, Instrument Design), Physics (Astro-physics), Zoology (Entomology).

The total staff exceeds 200. For the purpose of internal degrees of the Univ. the College is a School of the University in Science and Engineering. Students who are registered as candidates for one of the Associateships awarded following a course satisfactorily completed at the College, and who have matriculated at the University of London by examination or exemption, are eligible to proceed to the B.Sc. (Special) Degree of the University, in the Faculties of Science or Engineering, on the examinations for the relative Associateship, provided the University's regulations are complied with. This arrangement is subject to review after five years from the date of its commencement (1927). The buildings occupy about 8 acres and cost with equipment over £1,000,000.

The courses of study are designed for students of University standard whose occupations in life will be concerned with the scientific aspects of industries.

LIBRARIES, ETC. The Library of the Science Museum is available for the use of Students, and each Dept. is provided with a special Library, RESEARCH LABORATORIES, and full facilities for advanced study.

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. (i.) *R.C.S.* and *R.S.M.* A candidate for admission must be as a rule not less than 17 yrs. of age. For admission to 1st yr. Assoc. courses an Entrance examn. in Maths. and Mechanics, Chem. Physics, Engl., French or German or Spanish or Italian, and Geometrical or Freehand Drawing, must be passed, unless equivalent examns. have been passed elsewhere. (The Matricn. examn. of the Univ. is considered equivalent provided the student has passed in "More Advanced Maths." and "Elem. Mechanics," and in the other subjects prescribed for the Entrance examn.) Candidates for admission to a 2nd yr. must pass the College Entrance examn. in more advanced Maths., Mechanics, Chem., and Physics, unless equivalent examns. have been passed elsewhere. For admission to a 3rd yr. candidates must have reached a standard correspondingly higher. (ii.) *City and Guilds.* A candidate desiring to enter for the 1st yr. of the Assoc'ship course must be at least 16 yrs. of age and must pass entrance examn. in Maths. and Mechanics, Geom. Drawing, Phys., or Chem., Engl., and French or German or Italian or Spanish, unless he has passed the Matricn. examn. of the Univ., taking certain specified subjects, including More Advanced Maths. For admission to the 2nd yr. course candidates must take the easier and more advanced papers, Geometrical and Machine Drawing, and practical Chem. in the College

examn., or they must have passed the Interm. B.Sc. (Eng.) in the Univ. in Maths., Pure and Applied, Heat, Electricity and Magnetism, Engineering, Drawing and Design, and Chemistry. Candidates for admission to advanced or research work in the *R.C.S.*, *R.S.M.*, or *C. and G.* are admitted on satisfying the Coll. authorities as to their previous training.

DIPLOMA AND OTHER COURSES. Associateship of each of the 3 associated Colls., 3 or 4 yrs.; specially arranged courses in Advanced Science or Technology, 1 or more yrs., leading to the Diploma of the Imperial Coll.; short courses dealing with special subjects for graduates or persons engaged in scientific industrial pursuits; occasional courses to suit individual needs.

FEES. Entrance, £2; Tuition, per session, for full-time Associateship or Post-Associateship courses of study, £62 : 10s. (including Union fees); for less than full-time courses, *pro rata*; for Research Work the fee is £22 : 10s. per session (including Union fees), but an additional charge may be made for expensive apparatus or chemicals. Graduates from other Institutions taking the 4th year Associateship course in Botany will be charged fees at the Research rate of £22 : 10s.

SCHOLARSHIPS for post-grad. work: Beit Fellowship for Research, v. Appendix XXIV. (iv.); £300 Plimmer Fellowship in Pathology; £100 in Botany; and many others (v. *Calendar*).

AFFILIATION, ETC. The Univ. of Sheffield is associated with the Coll. for Advanced Studies in the Metallurgy of Iron and Steel. Students of Huddersfield Technical Coll. may be admitted, subject to certain conditions, without examn.

PUBLICATIONS. *Calendar*; *Annual Report*, with list of members pubd. by members of the Coll.

THE YEAR 1925–26

A RESIDENTIAL HOSTEL for 50 students was opened in April 1926.

NEW POST. Professorship of Chemical Engineering (in place of Asst. Professorship).

UNIVERSITY DEGREES. By an arrangement with the University, which is tentative for five years, students who have matriculated in the Univ. and who complete one of the recognized College Associateship Courses and pass the Examns. on the completion of each part of the Course, will become eligible for the degree of B.Sc. with honours.

PROFESSORIAL STAFF. Mr. F. Balfour-Browne, M.A. (formerly Lecturer in Entomology in Cambridge), was appointed to the Chair of Entomology, vice Prof. H. Maxwell Lefroy (deceased). Asst. Prof. J. W. Hinchley was appointed to the new Chair of Chemical Engineering.

RESIGNATIONS. Dr. H. Graham Cannon, Lecturer in Zoology, was appointed to the Chair of Zoology in Sheffield; A. F. Wickenden, Lecturer in Civil Engineering and Surveying, was appointed to the Chair of Architecture under the Egyptian Ministry of Education.

DIPLOMAS GRANTED. A.R.C.S., 76; A.R.S.M., 32; A.C.G.I., 93; D.I.C, 92. Total, 293, including 3 women.

STUDENTS. Full-time: total, 945 (including 36 women); graduates, 245 (w. 24); preparing for first diploma, 700 (w. 12). Residing in hostel, 44. Part-time: total, 97 (w. 10); graduates 56 (w. 7); preparing for first diploma 13 (w. 1); occasional 28 (w. 2). DEGREES OBTAINED: B.Sc. in Science, 79 (w. 4), in Engineering 86, higher degrees in Science 47 (w. 6), in Engineering 3 (w. 1).

EAST LONDON COLLEGE

CHAIRMAN OF THE COLLEGE COUNCIL—E. DE QUINCEY QUINCEY.

PRINCIPAL—J. L. S. HATTON, M.A.

REGISTRAR—E. J. WIGNALL.

PROFESSORS, LECTURERS, ETC.

Aeronautical Engineering

Piercy, N. A. V., D.Sc. (Eng.) Lectr.

Botany

Fritch, F. E., Ph.D. Mün., D.Sc. [Prof.
Haines, F. M., B.Sc., Ph.D. Lectr.
Carter, Nellie, D.Sc. Birm. Lectr.

Chemistry

Partington, J. R., M.B.E., D.Sc. Manc. Prof.
Turner, E. E., M.A. Camb., D.Sc. Lectr.
Jones, D. C., M.Sc. Wales, Ph.D. Johns Hopkins Lectr.
Patterson, W. H., M.Sc. Manc. Lectr.
Bury, F. W., M.Sc. Manc. Lectr.
Roberts, E., M.Sc., Ph.D. Wales Lectr.

Classics

Earp, F. R., M.A. Camb. Prof.
Mozley, J. H., M.A. Camb. Lectr.

Engineering, Civil and Mechanical, v. also Aero.

Lamb, E. H., D.S.C., M.Sc. Manc., A.M.I.C.E. Prof.
Higgins, A. L., M.Sc. Belf., A.M.I.C.E. Lectr. (Civil E.).
Wedgwood, G. A., M.Sc. Belf. Lectr. (Mech. E.).
Brendel, F. C. L., B.Sc. Lectr.
2 Assts.

Engineering, Electrical [Prof.

MacGregor-Morris, J. T., M.I.E.E.
John, W. J., D.I.C., A.M.I.E.E. Lectr.
Castellain, A. P., B.Sc. Lectr.

English Lang. and Lit.

Nicoll, J. R. Allardyce, M.A. Glas. Prof.

Lectrs.:

Williams, O. T., M.A. Wales
Partridge, E., M.A. Queensland

Budd, F. E., B.A.

French Lang. and Lit.

Dechamps, J., D.Phil., D. ès L. Liége *
Halket, Eliz. C., M.A. Lectr.
Rozelaar, L. A., M.A. Lectr.

Geography and Geology

Smith, H. G., B.Sc., A.R.C.S.*
Tunstall, Bessie M., B.A. Lectr.

German Lang. and Lit.

Dunstan, A. C., Ph.D. König., B.A. Lectr.

History, Modern

Clarke F., M.A. Ox. Prof.
Chew, Helena M., M.A., Ph.D. Lond. Lectr.

Mathematics, Pure and Applied

The Principal Prof.
Le Beau, G. S., M.A. Ox. Asst. Prof., Depy. Hd. of Dept.

* Head of Department.

Churchill, W. F. S., M.A. Ox. Asst. Prof. (Applied M.).
Cooper, F. T., B.Sc. Lectr.
Soal, S. G., M.A. Lectr.
Green, S. L., M.Sc. Lectr.

Physics [Prof.
Lees, C. H., D.Sc. Manc., F.R.S.
Ferguson, A., M.A. Wales, D.Sc. Lectr.
Calthrop, J. E., M.A. Camb., M.Sc. Lectr.
Andrews, J. P., B.Sc. Lectr.
Irons, E. J., B.Sc. Lectr.

Spanish
Barragán, J. V. Lectr.

Zoology
Mudge, G. P., A.R.C.S., F.Z.S. Head of Dept.
Ommaney, F. D., B.Sc., A.R.C.S. Lectr.

GENERAL INFORMATION

Address—Mile End Rd., E.1. Telephone—3384 East.

Established 1892. Governed by a Council which includes the Master and Clerk of the Drapers' Co., and representatives of the L.C.C., the Univ., and the Staff. A School of the Univ. in Arts, Science, and Engin. Students proposing to take the Medical course at the London Hospital are offered special facilities for carrying on their studies for the Prelim. Med. Examn. Special Research LABORATORIES in Physics, Chem., Elec. Engin. Degree courses in Arts, Science, Engin. (including Aeronautical Engin.), and Med. There is a School of Dramatic Study and Research. Fee per session, £22 : 2s. Hostel for men students. Hall of Residence for women at Whipps Cross ; residence and board from 30s. a week. *Calendar*, 1s. post free. *College Magazine*, Old Students' Association.

THE YEAR 1925–26. *Benefactions*: Sir Sidney Lee bequest, £5000 for bursaries, besides books and engravings.

STUDENTS. Full-time: total, 395 (including 130 women); graduates 32 (w 3); preparing for first degree in Arts 270 (w. 126), Med. 21, Engineering 56; other full-time, 16 (w. 1). Residing in hostels, 29 (w. 26). Part-time: total, 178 (w. 97); graduates 52 (w. 16); undergrad. 1; occasional, 125 (w. 81). Pre-matriculation, 8. DEGREES obtained: B.A. 30 (w. 16), B.Sc. 65 (w. 19), B.Sc.(Eng.) 11, Ph.D. 2, M.A. 2 (w.), D.Sc. 1, M.Sc. 6, M.Sc.Eng. 1.

BIRKBECK COLLEGE

PATRONS—THE KING AND QUEEN.

PRESIDENT OF THE COLLEGE—Rt. Hon. VISCOUNT HALDANE OF CLOAN, K.T., O.M., F.R.S.

CHAIRMAN OF THE GOVERNORS—Sir E. COOPER PERRY, M.D., M.A., F.R.C.P.

PRINCIPAL—GEORGE SENTER, D.Sc., Ph.D., F.I.C.

SECRETARY—G. F. TROUP HORNE, B.A.

LIBRARIAN—M. C. HILDYARD, B.A.

PROFESSORS, LECTURERS, ETC.

Botany

Gwynne-Vaughan, Dame Helen, D.B.E., LL.D. Glas., D.Sc., F.L.S. Prof.
Barnes, B. F., B.Sc., F.L.S. Lectr.
Duerden, H., B.Sc. Lectr.

Special Lectrs. :

Ramsbottom, J., O.B.E., M.A. Camb., F.L.S.
Wilmott, A. J., B.A. Camb.
Bolas, B. D., M.Sc.

Chemistry

The Principal *
Barrow, F., M.Sc. Birm., Ph.D. Stras. Assoc. *
Sugden, S., D.Sc., A.R.C.S., A.I.C. Lectr.
Myddleton, W. W., D.Sc. Belf. Lectr.
Thorneycroft, F. J., B.Sc. Birm. Lectr.

2 Demrs.

Classics and Ancient History

Wright, F. A., M.A. Camb. *
Sinclair, T. A., M.A. Camb. Reader.
Gould, H. E., B.A. Lectr.

Economics

Schwartz, G. L., B.A., B.Sc. (Econ.) Lectr.

English Lang. and Lit.

Lobban, J. H., M.A. Aberd. *
Daunt, B. Marjorie Lectr. (E. Lang.).
Potter, S. M., B.A. Ox. Lectr.

French Lang. and Lit. [Prof.

Tanquerey, F. J., B. ès Sc. Rennes, D. ès L. Paris, Off. de l'A. Fr.
Larg, D. G., M.A. Aberd. Reader.
Gould, Marjorie, B.A. Lectr.
Aubry, Alice, L.-ès-L. Clermont-Ferrand Lectr.

Geography [Prof.

Unstead, J. F., M.A. Camb., D.Sc.
Savory, Gundred H., B.A. Lectr.
Taylor, Eva G. R., B.Sc. Lectr.
Orford, E. J., F.R.G.S. Lectr.

Geology [Reader.*

Davies, G. MacD., M.Sc., F.G.S.
Spath, L. F., D.Sc., F.G.S. Lectr. (G. and Geog.).

German

Bithell, J., M.A. Manc. Reader *.
McClean, R. J., B.A. Lectr.

History [Reader *.

Jones, Arthur, M.A. Manc.
Penson, Lillian M., B.A., Ph.D. Lectr.

Italian

Crespi, A., D.Lett. Padua Lectr.

* Head of Dept.

Law

Welford, A. W. Baker, M.A. Camb. *
(Jurispr., Com. L., Merc. L., Conflict of Laws).
O'Malley, B. L. A., B.A. Camb.
Lectr. (Roman L., Hist. of English L.).
Richardson, J. B., M.A., LL.B. Camb.
Lectr. (Equity, Eng. Law of Property, etc.).
Goitein, H., LL.D.
Lectr. (Const. and Crim. L.).

Mathematics, Pure and Applied

Smart, E. H., M.A. Camb. *
Coates, C. V., M.A. Camb. Lectr.
Fox, C., M.A. Camb. Lectr.
Cooke, R. G., M.Sc. Lectr.
Ball, A. E., B.A. Camb. Lectr.

Philosophy, Psychology, and Logic

Burns, C. Delisle, M.A. Camb., D.Lit. Lectr.

Physics [Prof.

Griffiths, A., D.Sc. Manc., A.R.C.S.
Simons, L., D.Sc., F.Inst.P. Reader.
Clack, B. W., D.Sc., Ph.D., F.Inst.P. Lectr.
Nettleton, H. R., D.Sc. Lectr.

Zoology [Reader *.

Jackson, H. G., D.Sc. Liv., F.Z.S.
Spaul, E. A., B.Sc., Ph.D., F.Z.S. Lectr.
Russell, Lilian, B.Sc. Sheff., M.Sc. Demr.

Matriculation Department

*W. Walker, M.A. Manc., B.Sc., H. E. Weaver, B.Sc., Lectr., and 9 specialists from other depts.

* Head of Dept.

GENERAL INFORMATION

Address—Bream's Buildings, E.C.4. Telephone—2245 Holborn.

Founded 1823 by Dr. George Birkbeck " for the purpose of giving education to students in the principles of the arts they practise, and in the various branches of Science and useful knowledge." A School of the Univ. in Arts and Science for evening and part-time students for 5 yrs. from Oct. 1925. *Library*: 17,000 vols., including special Science Department. Complete *courses* for degrees in Arts and Science and also in Laws, and for the Academic Diploma in Geog. and for the Inst. of Chem. examns., and matricn. courses. *Fees*, including subs. to Students' Union: Arts and Laws, £7 : 10s.; Science, £9. Postgrad. work, 3 gs. to 5 gs. *Playing Fields* (18 acres) at Greenford. *Publications*: *Calendar*, 1s.; *Annual Report*; *Lodestone* 6d. (Students, terminally).

The Year 1925–26. Royal Charter granted, March 17, 1926.

Students. Full-time: graduates, 2. Part-time: total, 953 (including 396 women); graduates, 89 (w. 21); preparing for first degree, in Arts or Pure Science 672 (w. 293); Med. 13 (w. 3), Law 23 (w. 2); Diploma, 53 (w. 36); Occasional, Arts, etc. 82 (w. 39), Law 21 (w. 2). Pre-matriculation students included in above, 270 (w. 106). Degrees obtained: B.A. 39 (w. 25), B.Sc. 35 (w. 7). M.A. 2 (w. 1), M.Sc. 7 (w. 1), Ph.D. 5 (w. 3), D.Sc. 1.

LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE

CHAIRMAN OF COURT OF GOVERNORS—Rt. Hon. Sir ARTHUR STEEL-MAITLAND, Bart., M.P.

VICE-CHAIRMAN—Hon. Sir JOHN COCKBURN, K.C.M.G., M.D.

DIRECTOR—Sir WM. H. BEVERIDGE, K.C.B., M.A., B.C.L. (Ox.), LL.D.

SECRETARY—Mrs. MAIR, M.A. LIBRARIAN—B. M. HEADICAR.

PROFESSORS, LECTURERS, ETC.

Accountancy and Business Methods, v. also Com.

de Paula, F. R. M., O.B.E., F.C.A. Cassel Prof.

Hughes, C. J. G., LL.B., F.C.A. Reader.

Roland, S. W., F.C.A. (S) (Railway Accounting).

D'Eath, D. C., F.C.I.S. (S) (*Secretarial Practice*).

Anthropology, Social, v. also Ethnology

Malinowski, B., Ph.D. Cracow, D.Sc. Reader.

Banking and Currency, v. also Commerce

Gregory, T. E., D.Sc. (Econ.) Cassel Prof.

Tappan, M., B.A. (S.).

Commerce and Industry, v. also Law, Logic, Transport

Sargent, A. J., M.A. Ox. (also Lectr. in Geog.) Prof.

Forrester, R. B., M.A. Edin., M.Com. Manc. Reader.

Rowe, J. W. F., M.A. Camb., M.Sc. (Econ.) Lectr.

Marshall, T. H., M.A. Camb. (Lectr. in History also) Lectr.

Whale, P. B., B.Sc. (Econ.), M. Com. Lectr.

1 Asst.

Economics, v. also Indian E. and Russia

The Director (Descriptive E. and Public Admn.). Lectr.

Dalton, Hugh, M.P., M.A. Camb., D.Sc. (Econ.) Reader.

Robbins, L., B.Sc. (Econ.) Lectr.

2 Assts.

English

Reed, A. W., M.A., D.Lit. Reader (and at King's Coll.).

1 Asst.

Ethnology, v. also Anthropology

Seligman, C. G., M.D., F.R.C.P., F.R.S. Prof.

Joyce, T. A., O.B.E., M.A. Ox. (S.)

Finance, v. Politics

French, v. Modern Languages

French History and Institutions

Vaucher, P., D. ès L. Paris Prof.

Geography, v. also Commerce

Jones, L. Rodwell, B.Sc., Ph.D. Prof.

Stamp, L. D., B.A., D.Sc. Reader (Economic Geog.).

Ormsby, Hilda, B.Sc. (Econ.) Lectr.

Robinson, L. G., M.A. Ox. Lectr. (Historical Geog.).

3 Assts.

(S) = Special Lectr., not on the School Staff.

German, v. Modern Languages

History, Economic, v. also Politics

Hall, Hubert, Litt.D. Camb. Lectr.

Tawney, R. H., B.A. Ox. Reader.

Power, Eileen E., M.A., D.Lit. Reader.

Beales, H. L., M.A. Manc. Lectr.

2 Assts.

Indian Economics

Slater, Gilbert, M.A. Camb., D.Sc. (Econ.) (S).

International History

Toynbee, A. J., B.A. Ox. Stevenson Prof.

International Relations

Baker, P. J. Noel, M.A. Camb. Cassel Prof.

Law, v. p. 176.

Allemès, F., B. ès L., L. ès L. Avocat, (S) (Code Civil).

Ball, W. V., O.B.E., M.A. Camb., Barr.-at-law. (S) (Railway L.).

Parry, D. Hughes, B.A., LL.B. Camb. and Wales, Barr.-at-Law Lectr. (English L.).

Logic, Psychology, and Philosophy

Wolf, A., M.A. Camb., D.Lit. Prof. (Logic & Scientific Method).

1 Asst.

Lectrs. on Industrial Psychology:

Burt, Prof. Cyril, D.Sc. (S).

Farmer, Eric, M.A. (S).

Miles, G. H., D.Sc. (S).

Myers, C. S., C.B.E., M.A., M.D., Sc.D. Camb., F.R.S. (S).

Smith, May, M.A. (S).

Modern Languages *

Earle, Edith, M.A. Lectr. (French).

Haltenhoff, A. G. Lectr. (German).

McKechnie, E. M. M., M.A., L.-ès-L. Lectr. (French).

Politics and Public Administration

Webb, Right Hon. Sidney, M.P., LL.B. Prof. (Pub. Admn. and History).

Laski, H. J., M.A. Ox. Prof.

Lees-Smith, H. B., M.P., M.A. Ox. Reader (Pub. Admn.).

Finer, H., D.Sc. (Econ.) Lectr. (Pub. Admn.).

Wallas, Graham, M.A. Ox., Litt.D. Manc., Emeritus Prof., Univ. London Lectr. (Pol. Science) (S).

Law, H. E., Barr.-at-Law (S).

2 Assts.

Russian Institutions and Economics

Meyendorff, A. Reader.

Shipping, v. Transport

Social Science and Administration

Lloyd, C. M., M.A. Ox., Barr.-at-Law Head of Dept.

Burns, C. Delisle, M.A. Camb., D.Lit. Lectr. (Social Philos.).

Cullis, Prof. Winifred C., D.Sc. (Physiology) (S).

Davison, R. C., M.A. Ox. (S).

3 Assts.

Sociology, v. also Anthropology

Hobhouse, L. T., M.A. Ox., D.Lit. Durh., LL.D. St. And. Martin-White Prof.

Westermarck, E. A., Ph.D. Helsing., LL.D. Aberd. Martin-White Prof.

Ginsberg, Morris, M.A., D.Lit. Reader.

(S) = Special Lectr., not on the School Staff.

* Preparatory for B.Sc. (Econ.), Final, or for B.Sc. (Econ.) Intermediate: language courses for B.Com. are provided chiefly at King's and Univ. Colls.

Statistics [Prof. Bowley, A. L., Sc.D. Camb., F.B.A.
Rhodes, E. C., B.A. Camb., M.Sc.
2 Assts. Reader.

Transport, v. also Acctcy. and Law
Stephenson, W. Tetley, M.A. Camb. Cassel Reader.

Abell, Sir Westcott, K.B.E., M.Eng., M.I.C.E., M.I.N.A. (Shipping) (S).
Burtt, P. (S).
Shanahan, E. W., D.Sc. (Econ.) (S.).
1 Asst.

(S) = Special Lectr., not on the School Staff.

GENERAL INFORMATION

Address—Houghton St., Aldwych, W.C.2.
Telegrams—" Poleconics, Estrand." Telephone 5671 Holborn.

Founded 1895. A School of the Univ. recognized in the Faculties of Economics and Political Science (including Commerce and Industry), of Laws, and of Arts (in certain subjects only).

Matriculated students are registered as Internal students of the Univ. with a view to the B.Sc. Econ., B.Com., LL.B., and B.A. (with Honours in Geog., Sociology, Anthrop., or History, or the Pass degree with Geog.), or to Higher degrees. Non-matriculated students can be registered for the Academic Diplomas in Geography, Psychology, Journalism, and Social Science and Administration, and for the School Certificates in Social Science and in International and Diplomatic Studies.

The lectures and classes at the School are open also to those who have not matriculated and do not wish to pursue a full University course—in particular to those engaged in banking, accounting, railway and other transport, commerce and industry, to civil servants and municipal officials, to teachers, and to those engaged in or qualifying for social work. To all these the School affords, by day or evening, the opportunity of specialized or advanced study on particular topics. The School is open on the same terms to men and to women, and classes and lectures are given both in the day and in the evening.

The School offers special facilities for post-graduate research, under the supervision of professors or otherwise. The *British Library of Political and Economic Science*, which includes the British Library of *Political Science*, the Fry Library of *International Law*, the Cobden Library of *International Commerce and Peace*, and the Schuster Library of *Comparative Legislation*, is open not only to those who are taking courses at the School, but, by permission of the Director, to any person desiring to utilize it for research or consultation. The Ratan Tata Foundation for research into social conditions is administered by the School, which maintains in connexion with it a Dept. of Social Science and Administration.

The fee for a day course in Economics or Commerce is £22 : 1s. a year, in Law £25 : 4s. a year, and in Arts about £35 a year. In the case of evening students considerable reductions in these fees are made. The fees include privileges of Students' Common Rooms and Athletic Societies. Playing fields at Malden are available for members of the Students' Union.

Research Studentships, £200, in addition to fees, are offered from time to time. Scholarships are awarded on the results of the University Intermediate Examns. There are entrance scholarships and prizes.

Publications : *Studies in Econ. and Pol. Sc.*; *Economica*, thrice annually, 2s. 6d.; *Bulletin of the British Library of Political and Economic Science*,

quarterly, 2s. per annum; *Clare Market Review* (Students, once a term). *Bulletin*—with supplements—of the *London and Cambridge Economic Service* of Statistics and Memoranda, bearing on the current economic position, is maintained by the School, in co-operation with the Univ. of Cambridge and Harvard Univ. Subs. £6 p.a School *Calendar*, 2s. 6d. or (cloth) 3s. 6d. *Summary programmes* free.

THE YEAR 1925–26

BENEFACTIONS. Carnegie United Kingdom Trust and Laura Spelman Rockefeller Memorial, £3000 each towards cost of Library catalogue. An old student of the School endowed a Women's Studentship of £150 p.a. for research in Econ. History.

NEW POSTS. Chairs of Geography, Sociology, and Political Economy (in place of part-time Chairs). Chairs of Political Science and Banking revived. The Sir Daniel Stevenson Chair of International History. Lectureships in Historical Geography, Economics, Public Administration, and Economic History. Assistants in Law, History, Logic, Commerce, Economics, and French. An EDUCATIONAL ALLOWANCE SCHEME was established whereby all members of the regular staff receive, in addition to salary, payments in respect of each child between the ages of 6 and 13, and at a higher rate in respect of each child between 13 and 22, in full-time attendance at an approved place of education; the Scheme also includes remission of fees in respect of the children of regular members of its own staff or of other University institutions which give reciprocal privileges.

RESIGNATIONS. Profs. L. R. Dicksee and E. Cannan; A. Redford upon appointment to Readership at Manchester. DEATH: Prof. Lilian Knowles.

STUDENTS. Total regular, 967 (highest recorded), including Army Class of 30. Preparing for a first degree, full-time, 258 (including 57 women); part-time, 363 (w. 47); for higher degrees, full-time, 72 (w. 14); part-time, 27 (w. 3); other regular, full-time, 197 (w. 106); part-time, 50 (w. 2); occasional, 1819 (w. 330); graduate students, 401 (w. 95). 218 men and 139 women students (being full-time students at other Colleges of the Univ.) attended as occasional students. Students from abroad numbered 550. Students resident in hostels, 31 (w. 8).

DEGREES OBTAINED (Internal Students only). B.A., 1 (woman); LL.B., 2; B.Com., 32 (w. 4); B.Sc.(Econ.), 50 (w 10); M.Sc.(Econ.), 8 (w. 1); Ph.D., 9 (w. 1); LL.D., 2; M.A., 1 (w.).

SOUTH-EASTERN AGRICULTURAL COLLEGE, WYE, KENT

CHAIRMAN OF GOVERNING BODY—Rt. Hon. LAURENCE HARDY, P.C., M.A., D.L.

PRINCIPAL—R. M. WILSON, B.Sc. (Agric.).

SECRETARY AND BURSAR—C. FERGUSSON.

TEACHING AND RESEARCH AND ADVISORY STAFF

Agriculture
The Principal.
5 Assts.

Agr. Engineering
Davies, C., T.D.A.

Agr. Law, Forestry, Book-keeping, Cost Accounting, Surveying, and Building Constn.
Haines, A. H., P.A.S.I.
2 Assts.

Agr. Zoology
Duffield, C. A. W.

Botany
Parkinson, S. T., B.Sc.
2 Assts.

Chemistry
Harwood, S. D. F., M.A., F.I.C.
Scrivener, F. L. C., B.Sc. (Agric.).
Burgess, A. H., B.Sc. (Agric.).
Goodwin, W., M.Sc., Ph.D.

Economics
Wyllie, J., B.Sc. (Agric.), N.D.A., N.D.D.

Entomology
Theobald, F. V., M.A. Camb.

Fruit-growing and Market Gardening
Miskin, W.
1 Asst.

Geology and Zoology
Brade-Birks, S. G., D.Sc.

Ironwork, Farriery, and Woodwork
3 Instrs.

Mycology
Professor Salmon, E. S., F.L.S.
Ware, W. M., M.Sc.

Poultry
Rhodes, F. W., D.S.O.
Fermor, C. E.

Veterinary Science and Bacteriology
Cave, T. W., F.R.C.V.S.
1 Asst.

GENERAL INFORMATION

Founded 1894. A School of the Univ. in Science (Agric.).

LIBRARY, 3500 vols. LABORATORIES: Chem. Research, Biol. (35 places), Bact., Entom., Vet. Farm, 460 acres. Forestry demonstration plantation.

COURSES qualify for B.Sc. (Agric.), B.Sc. (Hort.), C.D.A. (Wye) (3 yrs.), C.D.H. (Wye) (3 yrs.), N.D.A., P.A.S.I., and are suitable preparation for farming at home or abroad, research work, or such posts as lecturer in agric., agric. organizer and administrator, estate manager. A large percentage of past students of the College hold such posts at present. Extension Lectures, summer courses for Elem. School Teachers, short courses for farmers' sons. FEES, inclusive for board, lodging, and tuition: British Subjects, £150 p.a.; others, £180 p.a. Tuition only—British subjects, £85; others, £115 p.a. Reduced fees for ratepayers of Kent, Surrey, and W. Sussex. PUBLICATIONS: *Prospectus* (Aug.). Number of Students (1925–26), 163; full-time, 155; degrees obtained, 8.

LONDON DAY TRAINING COLLEGE

CHAIRMAN OF COUNCIL—ERNEST BARKER, Esq., M.A., D.Litt., LL.D.

STAFF

Nunn, T. Percy, M.A., D.Sc.
Principal and Prof. of Education.
Punnett, Margaret, B.A.
Vice-Principal.
Burt, Cyril L., M.A. Ox., D.Sc. Ox.
Prof. of Educn.

Lecturers and Tutors :
Bell, J. J., M.A. Ox. and Liv.
Browne, C. E., B.Sc. Lond.
Gurrey, P., B.A., Ph.D. Lond.
Fairgrieve, J., M.A. Ox., B.A.
von Wyss, Clotilde, F.L.S.
Calthrop, Miss M. G., Mod. Lang. Tripos
4 Instrs. in Art and Handwork, 1 in Music, 1 in Voice Production, 2 in Physical Training. 10 Supervisors of School Practice.

GENERAL INFORMATION

Address—Southampton Row, W.C.1.

Founded 1902. The Chancellor and Vice-Chancellor of the Univ. and Chairmen of the L.C.C. and London Educn. Committee are *ex-officio* members of the College Council. A School of the Univ. in Pedagogy.

Schools under the L.C.C. and others are used for practical instruction, and 3 Demonstration Schools are attached to the College.

Students are trained under the Regulations for the Training of Teachers (H.M. Stationery Office, Kingsway, W.C.2) for Elem. and Secondary Schools. Undergraduates can take a 4 yrs.' course so as to combine B.A., B.Sc., or B.Sc.Econ. courses (taken at other Colls.) with Professional training. One who has already graduated may devote himself continuously for a year to Theory, etc., of Educn. and obtain the Univ. diploma. Courses for the M.A. and Ph.D. Degrees in Educn. are also provided. *Fees*: London students—*nil*; others—for a year spent entirely at the Training College for a professional course, £40. PUBLICATION : *Prospectus* (Sept.).

THE YEAR 1925–26. Number of full-time students : total, 588 (including 339 women) ; graduates preparing for Diploma of Bd. of Ed., 172 (women, 101) ; preparing for a first degree, 395 (w. 227) ; other full-time students, 21 (w. 11). Resident in hostels, 71 (w. 68). Part-time students : 19 preparing for M.A. or Ph.D. Degrees obtained : B.A. 56 (w. 39), B.Sc. 65 (w. 28), M.A. (Ed.) 3 (w. 1), Teacher's Diploma, 134.

SCHOOL OF ORIENTAL STUDIES

PATRON—H.M. THE KING.
VISITOR—THE PRESIDENT OF THE BOARD OF EDUCATION.
CHAIRMAN—Sir HARRY L. STEPHEN.
DIRECTOR—Professor Sir E. DENISON ROSS, C.I.E., Ph.D.
DEAN—C. O. BLAGDEN, M.A., D.Litt.
SECRETARY—Miss C. L. CLEGG.

PROFESSORS, LECTURERS, ETC.

Albanian [Lectr.*
Jopson, N. B., B.A. Camb.

Amharic and Ethiopic
Athill, Major L. F. I. Lectr.* (Amh.).
Weld, H., B.Litt. Ox. Lectr.*
Harden, Rev. J. M., M.A., D.D., LL.D. Lectr.* (Eth.).
Hirschfeld, H., Ph.D. Strass.
Rey, C. F. Lectr.* (Amh.)

Arabic
Arnold, Sir Thos. W., C.I.E., M.A. Camb., Litt.D., F.B.A. Prof. (Classical A.).
Iles, G. E., O.B.E., M.A. Camb. (Sudanese) Lectr.
Kader, Sheikh H. Abd el Lectr. (Egyptian A.).
Gibb, H. A. R., M.A. Lond. and Edin. Lectr. (Classical A.).
Fulton, A. S., M.A. Lectr.* (Classical A.).
Dojaily, Sheikh Kadhim (Mesopotamian A.) Lectr.

Armenian
Topalian, S. Lectr.

Assamese and Khasi [Lectr.*
Gurdon, Lt.-Col. P. R. T., C.S.I.

Bengali
Page, W. S., O.B.E., B.A., B.D. St. And. Reader.

Burmese
Hertz, W. A., C.S.I. Lectr.

Chinese
Bruce, J. P., M.A., D.Lit. Prof.
Edwards, E. Dora, M.A. Lectr. (Mandarin).
Shu, C. C. Lectr. (Mandarin).
Steele, J., M.A., D.Lit. Lectr.* (Amoy & Swatow).
Waley, A., B.A. Lectr.* (C. Poetry).

Gujarati
Doderet, W., M.A. Camb., I.C.S. (retd.) Lectr.

Hausa
Gill, J. W., O.B.E. Lectr.

Hebrew, Modern
Wartski, I., B.A. Lectr.

Hindostani
Bailey, T. G., M.A., B.D., D.Litt. Edin. Reader (Urdu & H.).
Leeson, G. E. Lectr. (Urdu & Hindi).
Palmer, T. G. F. Lectr.

History and Culture of British Dominions in Asia, especially India, v. also Sansk.
Dodwell, H. H., M.A. Ox. Prof.

History of the Near East
Toynbee, A. J., B.A. Lectr.*

Japanese
Isemonger, Commdr. N.E., R.N. (retd.) Lectr.
Yoshitake, S. Lectr.
Mere, G. Lectr.*

Kanarese [Lectr.*
Edwardes, S. M., C.S.I., C.V.O.

* On panel of additional lectrs., not on regular staff.

Law, Indian [Lectr.
Sabonadière, A., I.C.S. (retd.)

Law, Indian Administrative
Way, T. A. H. Lectr.*

Law, Ottoman
Ostrorog, Count Léon, LL.D. Paris Hon. Lectr.

Malay
Blagden, C. O., M.A. Ox., D.Litt. Rangoon Reader.

Malayalam
Wickremasinghe, M. de Z., M.A. Ox. Lectr.

Marathi
Kanhere, S. G. Lectr.

Pali [Lectr.
Davids, Mrs C. A. R., M.A., D.Lit.
Stede, W., Ph.D. Leip. Lectr.*

Persian
Ross, Sir E. Denison, C.I.E., Ph.D. Strass. Prof.
Dārāb, G. H., Khan Lectr.
Haig, Sir Wolseley, K.C.I.E., C.S.I., C.M.G., C.B.E., M.A. Dublin Lectr.
Phillott, Lt.-Col. D. C., M.A. Camb. Lectr.*

Phonetics
James, A. Lloyd, M.A. Camb., B.A. Wales Lectr.

Polynesian, Melanesian, Micronesian, and Papuan
Ray, S. H., M.A. Camb. Lectr.*

Sanskrit [Prof.
Turner, R. L., M.C., M.A. Camb.
Barnett, L. D., M.A. Camb., Litt.D. Vict.
Lectr. (S. & Anc. Indian History).
Kanhere, S. G. Lectr.
Allan, J., M.A. Edin.
Lectr.* (Oriental Palæog.).

Shan
Inman, Capt. H. J. Lectr.*

Siamese [Lectr.*
Cartwright, B. O., B.A. Camb.

Sinhalese
Wickremasinghe, M. de Z., M.A. Ox. Lectr.

Swahili and Bantu Languages
Werner, Alice, LL.A. St. And. Prof.
Werner, Mary Lectr.

Tamil and Telugu
Wickremasinghe, M. de Z., M.A. Ox. Reader.

Tibetan [Lectr.*
Shuttleworth, H. Lee, M.A.

Turkish
Topalian, S. Lectr.
Ali Riza Bey Lectr.

Urdu, v. Hindostani

* On panel of additional lectrs., not on regular staff.

GENERAL INFORMATION

Address—Finsbury Circus, E.C.2.

Established by Royal Charter, 1916. A School of the Univ. in Arts. *Library*, 62,500 vols. *Fees*: 3½ to 20 gs. per session; I.C.S. probationers, 30 gs. *Scholarships* (Gilchrist), 2 of £50 in Turkish and Chinese. Teaching provided in more than 50 languages and in the history, religions, and customs of Oriental and African countries. Special facilities for research work. PUBLICATIONS: *Calendar* (July), 2s. 6d.; *Prospectus* (July).

THE YEAR 1925–26. Conference on African Languages, June 29 and 30, resulting in establishment of the *International Institute* for African languages and cultures. *Retirements*: A. Sefi, C. E. Wilson. *Students*. Full-time: graduates, 22. Part-time: total, 408 (including 130 women); graduates 3, degree students 16, diploma 59, occasional 330 (w. 109). Vacation course, 55. Degrees obtained: M.A. 1, Ph.D. 4, D.Lit. 1.

BEDFORD COLLEGE FOR WOMEN

VISITOR—Rt. Hon. VISCOUNT HALDANE OF CLOAN, O.M., K.T., F.R.S.

CHAIRMAN OF COUNCIL—Sir WILMOT HERRINGHAM, K.C.M.G., C.B., M.D., F.R.C.P.

PRINCIPAL—Miss M. J. TUKE, M.A. Dub.

RESIDENT TUTOR—Miss L. C. KEMPSON, M.A. Dub.

SECRETARY—Miss O. E. MONKHOUSE, M.B.E., B.A.

REGISTRAR—Miss E. M. E. HAYDON, M.A.

LIBRARIAN—Miss J. A. PATERSON.

PROFESSORS, LECTURERS, ETC.

Botany [Prof.
Jones, W. Neilson, M.A. Camb.
Halket, Miss A. C., B.Sc. Lectr.
Garside, S., M.Sc. Manc. Lectr.

Chemistry, Inorganic and Physical
Spencer, J. F., Ph.D. Bres., D.Sc. Liv., F.I.C. Reader (Physical C.).
3 Demrs.

Chemistry, Organic
Crompton, Holland, F.C.S. Reader.
2 Demrs.

Classics [Reader (Greek).
MacGregor, J. M., M.A. Ox.
Tarrant, Miss D., M.A. Lectr.
Williamson, Harold, M.A. Ox. Prof. (Latin).
FitzGerald, Miss K., B.A. N.U.I. Lectr.
Furness, Miss S. M. M. Lectr.
1 Asst. (part-time).

Dutch
Geyl, P., Litt.D. Leyden Prof.
Haantjes, J. Reader.

Economics, v. Social

English Language and Mediæval Lit.
Thomas, P. G., M.A. Camb., Litt.D. Liv. Reader.
1 Asst. (part-time).

English Literature
Spurgeon, Miss C., Litt.D. Mich., D. de l'U. Paris Prof.
Routh, H. V., M.A. Camb. Reader.
Covernton, Miss A. B. Lectr.
Ellis-Fermor, Miss U. M., M.A., B.Litt. Ox. Lectr.
1 Asst. (part-time).

French Language and Mediæval Lit. [Sr. Lectr.
Johnson, Miss F. C., M.A.
Terry, Mrs., M.A. Lectr.

French Literature
Eccles, F. Y., M.A. Ox. Prof.
The Principal Lectr.
Legros, René P., M.A. Edin. and Ox. Lectr.

Geography
Hosgood, Miss B., B.A. Reader.
Mitchell, Miss J. B., B.A. Camb. Jr. Lectr.
5 visiting Lectrs.

Geology [Reader.
Hawkes, L., D.Sc. Durh., F.G.S.
Gardner, Miss E. W., M.A. Camb. Lectr.
1 Demr. part-time.

German
Robertson, J. G., B.Sc., M.A. Glas., Ph.D. Leip. Prof.
Massey, Miss I. M., Ph.D. Marb. Reader.
Haltenhoff, A. G. Lectr.

History, Ancient [Reader
Cary, M., M.A., D.Litt. Ox.

History, Modern
Mackie, J. D., M.A. Ox. Prof.
Haward, Miss W. I., M.A. Camb. Lectr.
Tooley, Miss M. J., M.A. Lectr.

Italian
Dobelli, S'rina E. B. Sr. Lectr.
Jeffery, Miss V. M., M.A. Jr. Lectr.

Mathematics [Prof.
Hilton, Harold, M.A., D.Sc. Ox.
Marshall, J., M.A., D.Sc. St. And. Reader.
Fowler, Mrs., M.A. Lectr. (part-time).
Jervis, Miss S. D., M.Sc. Jr. Lectr.

Philosophy
Edgell, Miss B., D.Litt. Wales, Ph.D. Würz. Prof. (Psych.).
Hazlitt, Miss V. H., D.Lit. Lectr.
Stebbing, Miss L. S., M.A. Lectr.

Physics
Wilson, W., Ph.D. Leip., D.Sc., F.R.S. Prof.
Saltmarsh, Miss M. O., B.A. Dub., Ph.D. Lectr.
2 Demrs.

Physiology
Edkins, J. S., M.A., M.B., Sc.D. Camb. Reader.
Edkins, Mrs., M.Sc. Lectr.
Murray, Miss M. M. A., M.Sc. Jr. Lectr. (Biol. Chem.).

Social Studies and Economics
Reid, Mrs., M.A. Camb. Director.
Williams, Mrs., B.A. Manc. Lectr. (Econ.).
Wedgwood, Miss C. H., B.A. Camb. Lectr. in Sociology (part-time).
5 Visiting Lecturers

Zoology
Boulenger, C. L., M.A. Camb., D.Sc. Birm., F.Z.S. Prof.
Hett, Miss M. L., B.Sc. Jr. Lectr.
1 Demr.

GENERAL INFORMATION

Address—Inner Circle, Regent's Park, N.W.1.
Telephone—Langham 1420.

Founded 1849. A School of the Univ. in Arts and Science. Tate LIBRARY and Wernher Reading-Room contain 35,000 volumes. Special facilities for Research work in the LABORATORIES (Bact., Bot., Chem., Geol., Physics, Physiol., Psych., and Zool.).

Minimum age for admission, 17. Students are prepared for all examns. of the Univ. of London in Arts and Science. In Medicine the College is recognized by the Univ. for purposes of the First M.B., and in Chem. and Physiol. for the Second M.B. Examn.

RESIDENTIAL accommodation for 94 students in the Coll. and 138 at the College Houses. FEES (Inclusive Sessional), for tuition: Interm. Arts—42 gs.; B.A.—31 to 38 gs.; M.A.—8½ to 15 gs.; Interm. Science and B.Sc. Pass—53 gs.; B.Sc. Hons.—38 to 53 gs.; M.Sc. and Ph.D.—15 to 21 gs. Residence with board—76 to 100 gs. Union Society—15s.; Athletic Union—25s.

SCHOLARSHIPS for graduates: One (Lady Huggins) in Sociology, awarded from time to time; one (Amy Lady Tate) for research in Arts or Science, £125 p.a. for 2 yrs.; "F.M.W." Medical, £50; Gilchrist Training, £30 for 1 yr.; Notcutt Travelling Studentship, £200 for session 1927–28.

PUBLICATIONS: *Calendar*, post free, 2s. 6d.; B.C. *Magazine* (Students).

THE YEAR 1925–26. 3 new chairs were instituted: Modern Hist., Physiology, English Lang. and Medieval Lit.; 2 new lectureships: Geology and Geography; 1 part-time lectr. in Sociology; an additional library asst. *Resignations*: J. W. Allen; Miss M. S. Crewdson, to be Warden of Notcutt House; Miss D. M. Honeybourne; Miss D. M. Mackie; E. W. Gilbert, to be Lectr. in Geog. at Reading; Miss M. Clayton (Latin), to be Asst., S. Kensington Museum; Miss K. M. Heberlet (Philos.), to read for medical degree; Mrs. Roberts; Miss A. I. McDonald, to be Botany Mistress in Secondary School; Miss J. A. Paterson. Leave of absence to Miss A. B. Covernton for exchange of posts (English Lit.) with Prof. Notcutt of Stellenbosch. *Students*. Full-time: total, 565; graduates, 16; preparing for first degree, 494; other full-time students in Arts or Pure Science, 8; Social Studies, 47. Resident in college, 221. Students from other countries, 32. Part-time: graduates, 27 (including 2 men); degree students, 6; occasional, Arts, etc., 37; Social Studies, 20. *Degrees obtained*: B.A., 79; B.Sc., 75; M.A., 5; D.Lit., 1; D.Sc., 1; M.Sc., 8.

ROYAL HOLLOWAY COLLEGE FOR WOMEN

CHAIRMAN OF THE GOVERNORS—The Right Hon. BARON ASKWITH K.C.B., D.C.L.

PRINCIPAL—Miss E. C. HIGGINS, B.A.

SECRETARY TO THE GOVERNORS—Miss U. R. DOLLING.

PRINCIPAL'S ASSISTANT AND LIBRARIAN—Miss E. E. LOOKER, B.A.

PROFESSORS, LECTURERS, ETC.

Botany

Blackwell, Miss E. M., M.Sc. Liv. Sr. Lectr.
Light, Miss K. E., B.Sc. Asst. Lectr. & Demr.

Chemistry

Moore, T. S., M.A. Ox. Prof.
Boyle, Mary, D.Sc. Lectr. & Demr.
Shepherd, Florence, B.Sc. Demr. & Asst. Lectr.

Classics

Sleeman, J. H., M.A. Prof.
Taylor, Margaret E. J., M.A. Dub. Sr. Lectr.
Barratt, Miss C., B.A. Ox. Asst. Lectr.

English [Sr. Lectr.

Willcock, Gladys D., M.A.
Robertson, Miss A. J., M.A. St. And. Lectr.
Lascelles, Miss M., B.A. Ox. Asst. Lectr.

French [Sr. Lectr.

Honey, Margaret E. D., M.A.
McWilliam, Miss N., M.A. Edin. Lectr.
Scott, Miss E. M., M.A. Asst. Lectr.
Riou, Mlle. L. (Conversation) Assistante.

German

Delp, Wilhelmina E., Doct. de l'Univ. Paris Sr. Lectr.
Richey, Margaret F., M.A. Asst. Lectr.

History [Prof.

Johnstone, Hilda, M.A. Manc.
Powell, Miss I. G., M.A. Lectr.
Crichton, Miss V. M. S., B.A. Ox. Asst. Lectr.

Mathematics [Prof.

Baker, B. B., D.Sc. Edin., M.A.
Rowell, Ethel M. Sr. Lectr.
Pick, Marion, M.A. Lectr.
The Principal.

Physics

Horton, F., Sc.D. Camb., M.Sc. Birm., D.Sc., F.R.S. Prof.
Davies, Ann C., D.Sc. Lectr. & Demr.
Andrewes, Ursula, M.Sc., Ph.D. Asst. Demr.

Art

Drawing and Painting

Carey, C. W. Teacher.

Music [Lectr. & Director.

Barker, Miss S. M.
4 Visiting Teachers.

GENERAL INFORMATION

Address—Englefield Green, Surrey. Telephone—114 Egham.

Opened in 1886. 19 miles from London. A School of the Univ. in Arts and Science. LIBRARY, 19,000 vols. LABORATORIES: Bot., Chem., Physics: Botanic Gardens. Area of grounds, 95 acres. Residential accommodation for over 200 students and staff. Courses for Bachelorship and Higher degrees in Arts and Science. Inclusive FEES: £135 a yr. Post-graduate studentships, 3 or 4 of £40 each, open to students of the Coll. only. PUBLICATIONS: *Calendar*, 2s. post free; R.H.C. *Letter* (Old Students' Association).

STUDENTS (1925–26), 197. *Degrees obtained*: B.A., 34; B.Sc., 21; M.Sc., 1; Ph.D., 2.

WESTFIELD COLLEGE, HAMPSTEAD

CHAIRMAN OF COUNCIL—The Rt. Hon. Sir THOMAS INSKIP, C.B.E., K.C., M.P.

PRINCIPAL—Miss E. C. LODGE, M.A. Ox., F.R.Hist.S.

LECTURERS

Botany [Reader.
Delf, Miss E. M., D.Sc., F.L.S.
Fry, Miss E. J., M.Sc. Wales

Classics
Parker, Miss C. E., M.A. Ox.
Glover, Miss M. R., M.A. Ox.
Botting, C. G., M.A. Camb. (part-time).

English Lang. and Lit.
Davis, B. E. C., M.A. Ox. Reader.
Ashdown, Miss M., M.A. Camb.

French
Turquet, Mme., M.A., D.Lit. Reader.
Crosland, Mrs., M.A. (part-time).

History
Skeel, Caroline A. J., M.A. Camb., D.Lit., F.R.Hist.S. Prof.
Martin, Miss E. C., M.A., Ph.D.

Mathematics, Pure and Applied
Whitby, Miss L. J., B.A.
Palmer, Mrs., M.A. (part-time).

GENERAL INFORMATION

Address—Kidderpore Avenue, Finchley Rd., N.W.3.
Telephone—734 Hampstead.

Founded in 1882 by Miss Dudin Brown for the higher education of women. The college is undenominational, but the Principal is required to be a member of the Church of England. Situated near the south-west corner of Hampstead Heath; has residential accommodation for 114 students.

A School of the University in Arts.

Students are not admitted under the age of 18, and are required to pass an Entrance examn. Approved courses (Hons. and Pass) in the Faculty of Science in Bot. and Maths. are provided, as well as in Arts. Research Studentships are from time to time offered to graduates of this Univ. and of other Univs. Two rooms are set aside for Botanical Research. *Fees*: For tuition from 38 to 53 gs., residence £90 per session. There is an Old Students' Assocn. *Publications*: *Prospectus* (July); *Report* (October); *Hermes* (Students' Mag.).

THE YEAR 1925–26. *Benefactions*: Donations of £1500 toward cost (£22,000) of new building, in course of erection, to contain library, lecture-rooms, and 28 students' rooms. *Fellowships*: for foreign study, Miss H. A. C. Green, a Commonwealth Fellowship, working at Univ. of Pennsylvania; Miss Curnow, a Fellowship in Geography at Clark Univ. *Retirement*: Miss Warren, Reader in English, succeeded by B. E. C. Davis from East London College. *Students*: Full-time, preparing for first degree, 128; graduates, 10. Resident in College, 115. *Degrees obtained*: B.A., 27; B.Sc., 9; M.A., 1; M.Sc., 2.

THEOLOGICAL SCHOOLS OF THE UNIVERSITY

RECOGNIZED TEACHERS

In the following list the names of the Theological Schools are indicated by symbols thus :

HACKNEY AND NEW COLLEGE, HAMPSTEAD (N).
REGENT'S PARK COLLEGE (R).
KING'S COLLEGE THEOLOGICAL DEPT. (KT).
WESLEYAN COLLEGE, RICHMOND (WR).
ST. JOHN'S HALL, HIGHBURY (J).

Philosophy, v. Theology

Theology

Andrews, H. T., B.A. Ox., D.D. Aberd. (N.).
Barber, W. T. A., M.A. Camb., D.D. Dub. (WR.).
Barry, F. R., D.S.O. (KT.).
Box, G. H.
Davies, W. A., M.A. Ox. and Wales, B.D. (N.).
Dearmer, P., D.D. Ox. (KT.).
Garvie, A. E., M.A. Glas. and Ox., D.D. Glas. (N.).
Gore, Rt. Rev. C., D.D., D.C.L. Ox., D.D. Edin. and Durh., LL.D.Camb. and Birm. (KT.).
Hanson, H., M.A. Ox., B.D. (KT.).
Jenkins, C., M.A. Ox., F.S.A. (KT.).
Matthews, W. R., M.A., D.D. (KT.).
Oesterley, W. O. E., D.D. (KT.).
Relton, H. M., D.D. (KT.).
Robinson, H. W., M.A. Ox. and Edin. (R.).
Rogers, C. F., M.A. Ox. (KT.).
Smith, C. R., B.A., D.D. (WR.).
Smith, F. H., B.D. (KT.).
Smith, H., M.A. Camb. (J.).
Tasker, R. V., M.A. (KT.).
Titterton, C. H., M.A., B.D. Edin. (J.).
Waterhouse, E. S., M.A., D.D. (WR.).

GENERAL INFORMATION

HACKNEY AND NEW COLLEGE, HAMPSTEAD * (Congregational), Finchley Road, N.W.3. Principal—A. E. Garvie, M.A., D.D. Secretaries—Rev. H. Staines, M.A., B.D., and Rev. T. R. Grantham.

New College, founded in 1696 and reconstituted in 1850, and Hackney College, founded in 1803, were merged into one institution in 1924. *Library*, 75,000 vols. Sessional fee, 6 gs. for each class. " Internal " students—26.

REGENT'S PARK COLLEGE * (Baptist), Regent's Park, N.W.8. Principal—Rev. H. W. Robinson, M.A. Secy.—Rev. C. M. Hardy, B.A.

Founded 1810. Students for an Arts degree attend classes at Univ. Coll. *Fees* : 2½ gs. each class per term. " Internal " students—8.

* These two co-operate, joint classes being held under a common staff of teachers.

KING'S COLLEGE, THEOLOGICAL DEPARTMENT (Church of England), Strand, W.C.2. Telephone—0207 and 0208 Gerrard. Dean—Rev. W. R. Matthews, M.A., D.D. Secy.—S. T. Shovelton, M.A.

Founded 1829 (v. *supra*, King's College). Complete courses for all Theol. degrees. Day and Evg. Classes. *Fees*: for tuition, undergraduate courses, £32 per session; evening classes, 5 gs. per term. *Hostel* for students: fee for residence, £22 per term. "Internal" students—50.

WESLEYAN COLLEGE, RICHMOND, Surrey. Principal—Rev. W. T. A. Barber, M.A., D.D. Secy. of Committee—Rev. L. F. Church, B.A.

Opened 1843. All students are accepted candidates for Ministry of Wesleyan Methodist Church. Residential accommodation for 60. "Internal" students—11.

ST. JOHN'S HALL, HIGHBURY, London, N.5 (Church of England). Principal—Rev. T. W. Gilbert, D.D. Hon. Secy. of Council—Rev. T. J. Pulvertaft, M.A.

Founded and endowed 1863 by Dr. A. Peache, Chancellor of the Western Univ. of Canada. Courses for L.Th. Durham as well as for B.D. of London. *Fees*: Entrance, 2 gs.; board and tuition, £93. Residential accommodation for 51 students. "Internal" students—3.

MEDICAL SCHOOLS OF THE UNIVERSITY

RECOGNIZED TEACHERS

Note.—In the following list the names of the Medical Schools are indicated by symbols thus :

ROYAL ARMY MED. COLLEGE (AM).
ST. BART.'S HOSP. MED. COLL. (B).
BETHLEM ROYAL HOSPL. (Bm).
CHARING CROSS HOSPL. MED. SCH. (C).
ROYAL DENTAL HOSPL. AND LOND. SCH. OF DENT. SURG. (D).
GUY'S HOSPL. MED. SCH. (G).
LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE (H).
KING'S COLL. HOSPL. MED. SCH. (KM).
LONDON HOSPL. MED. COLL. (L).
LISTER INSTITUTE (LI).
LONDON (R.F.H.) SCH. OF MED. FOR WOMEN (LW).
MIDDLESEX HOSPL. MED. SCH. (M).
MAUDSLEY HOSPL. (My.).
NAVAL MED. SCH., GREENWICH (NM).
SCH. OF PHARMACY (P)
ST. GEORGE'S HOSPL. MED. SCH. (SG).
ST. MARY'S HOSPL. MED. SCH. (SM).
ST. THOMAS'S HOSPL. MED. SCH. (T).
UNIV. COLL. HOSPL. MED. SCH. (UM).
WESTMINSTER HOSPL. MED. SCH. (W).

and names of certain Hospitals having recognized teachers thus :

NATIONAL INSTITUTE FOR MEDICAL RESEARCH (23).
BROMPTON HOSPL. FOR CONSUMPTION (24).
HOSPL. FOR SICK CHILDREN (25).
NATIONAL HOSPL. FOR PARALYSED AND EPILEPTIC (26).
ROYAL LONDON OPHTHALMIC HOSPL. (27).

Anæsthetics

Boyle, H. E. G., M.R.C.S., L.R.C.P. (B.).
Braine, C. C., F.R.C.S. (C.).
Chaldecott, J. H., L.R.C.P. (SM.).
Charles, H., M.R.C.S., L.R.C.P. (M.).
Gandy, E. W., O.B.E., B.A. Camb., M.R.C.S., L.R.C.P. (W.).
Gilliatt, Mrs., M.B., B.S. (LW.).
Hughes, C. H. M., M.B., B.S. (KM.).
Mennell, Z., M.B. (T.).
Probyn-Williams, R. J., M.D. Durh. (L.).
Shipway, F. E., M.A., M.D., B.Ch. Camb. (G.).
Shirley, H. J., C.M.G., M.D., F.R.C.S. (UM.).

Anatomy [Reader (B.).

Clark, W. E. Le G., F.R.C.S.
Frazer, J. E. S., F.R.C.S. Prof. (SM.).
Griffiths, H. E., M.S., M.B., F.R.C.S. (B.).
Johnston, T. B., M.B., Ch.B. Edin. Prof. (G.).
Keene, Mrs. M. F. L., M.B., B.S., Prof. (LW.).
Mitchiner, P. H., M.D., M.S., F.R.C.S. (T.).
Parsons, F. G., F.R.C.S. Prof. (T.).
Wright, W., D.Sc. Bir., M.B., Ch.B. Manc., F.R.C.S. Prof. (L.).

(B), (C), etc., (23), (24), etc., v. *Note* above.

Yeates, T., M.B., C.M. Edin., B.Hy., D.P.H. Durh. Prof. (M.).

Anatomy, Morbid

Nicholson, G. W. de P., M.A., M.D. Reader, Morb. *Histol.* (G.).
Spilsbury, Sir Bernard H., M.A., B.M., B.Ch. Ox. (B.).
Turnbull, H. M., M.A., B.Ch., D.M. Ox. Prof. (L.).
Urquhart, A. L. (T.).
Woods, W. W., M.R.C.S., L.R.C.P. (Morbid *Histol.*) (L.).

Bacteriology, v. also Path.

Andrewes, Sir F. W., O.B.E. (B.).
Bamforth, J., M.D. (T.).
Bulloch, W., M.D., C.M., LL.D. Aberd., F.R.S. (recogd. in Path.) Goldsmiths' Prof. (L.).
Canti, R. G., M.A., M.D. Camb. (B.).
Douglas, S. R., F.R.S. (23).
Dudgeon, L. S., C.M.G., C.B.E., F.R.C.P. (T.).
Duncan, J. T. (H.).
Fleming, A., M.B., F.R.C.S. (SM.).
Freeman, J., M.A., D.M., B.Ch. Ox. (SM.).
Goadby, Sir Kenneth W., K.B.E., L.R.C.P., M.R.C.S., L.D.S., D.P.H. Camb. (UM.).
Hicks, J. A. B., M.D., M.S. (W.).
Hunt, E. L., D.P.H. Camb., M.B., B.S. (also in Path.) (SG.).
Ledingham, J. C. G., C.M.G., M.A., M.B., Ch.B., D.Sc. Aberd., F.R.S. Prof. (LI.).
Nabarro, D. N., B.Sc., M.D., D.P.H., F.R.C.P. (25).
Petrie, G. F., M.D., Ch.B. Aberd. (LI.).
Wright, Sir A. E., K.B.E., C.B. Prof. (SM.).
Wright, H. D., B.A. Tasmania, M.B., Ch.B. Edin. (UM.).

Bio-Chemistry, v. also Chem. Path.

Dodds, E. C., Ph.D., M.B., B.S. Prof. (M.).
Harden, A., D.Sc. Manc., Ph.D. Erl., F.R.S. Prof. (LI.).
McLean, I. S., D.Sc. (LI.).
Robison, R., Ph.D. Leip., D.Sc. (LI.).
Ryffel, J. H., M.A., B.Ch. Camb., B.Sc., F.I.C. (recogd. in Forensic Med.) Reader (G.).
Zilva, S. S. (L.I.).

Biology

Cunnington, W. A., M.D. (B.).
Evans, T. J., M.A. Ox. (G., 9).
Leigh-Sharpe, W. H., B.Sc. (SM.).
Mudge, G. P., A.R.C.S. (L., LW.).
Rushton, W., A.R.C.S. (T.).
Woodger, J. H., B.Sc. Reader (M.).

Chemistry

Candy, H. C. H., B.A., B.Sc., F.I.C. (L.).
Corfield, C. E., B.Sc. (P.).
Gibson, C. S., O.B.E., M.A. Ox. and Camb., B.Sc. Ox., M.Sc. Manc., F.I.C. Prof. (G.).
Hurtley, W. H., D.Sc. Reader (B.).
Plimmer, R. H. A., D.Sc. Prof. (T.).
Tuck, W. B., D.Sc. Prof. (M.).
Widdows, Sybil T., B.Sc., F.I.C. (LW.).

Chemistry, Pathological, v. also Bio-Chem.

de Wesselow, O. L. V., M.B., B.Ch. (T.).
Wallis, R. L. M., M.A., M.D. Camb. (B.).

Chemistry, Physiological

Gardner, J. A., M.A. Ox., F.I.C. Reader (LW., SG.).

Dental Science, v. *infra*

Dermatology [(B.).
Adamson, H. G., M.D., F.R.C.P.
Barber, H. W., B.Ch., M.B., M.A. Camb., F.R.C.P. (G.).
Davis, H. D., B.A., B.M., B.Ch. Ox., F.R.C.S. (LW.).
Dore, S. E., M.A., M.D., B.Ch. Camb., F.R.C.P. (W., T.).

(B), (C), etc., (23), (24), etc., v. *Note* on p. 160.

Drake, J. A., M.D., D.P.H. (KM.).
Gray, A. M. H., C.B.E., M.D., B.S., F.R.C.S., F.R.C.P. (UM.).
Little, E. G. G., B.A. Cape, M.D., F.R.C.P. (SM.)
MacCormac, H. (v. Med., p. 164) (M.).
Macleod, J. MacL. H., M.D., C.M. Aberd., M.A. St. And., F.R.C.P. (C.).
Sequeira, J. H., M.D., F.R.C.P., F.R.C.S. (L.).
Whitfield, A., M.D., F.R.C.P. (KM.)

Diseases of Children

Barrington-Ward, L. E., M.Ch. Edin., F.R.C.S. (25).
Frew, R. S., M.D., Ch.B. Edin. (KM, 25).
Hutchison, R., M.D., C.M. Edin., F.R.C.P. (25).
Jewesbury, R. C., M.A., M.D. Ox., F.R.C.P. (T.).
Paterson, D. H., B.A., M.B., Ch.B. Manitoba, M.R.C.P. (W.).

Diseases of Children & Medicine

Cameron, H. C., M.A. Camb. and Glas., M.D. Camb., F.R.C.P. (G.).
Fletcher, H. M., M.A., M.D., B.Ch. Camb., F.R.C.P. (B.).
Poynton, F. J., M.D., F.R.C.P. (25, UM.).
Still, G. F., M.D., B.Ch., M.A. Camb., F.R.C.P. (25, KM.).
Thompson, H. T., M.D., B.Ch., M.A. Camb., B.Sc., F.R.C.P., F.R.C.S. (25, L.).
Thursfield, J. H., D.M., M.A. Ox., F.R.C.P. (25, B.).
Voelcker, A. F., M.D., B.S., F.R.C.P. (25, M.).

Diseases of Children & Surgery

Fairbank, H. A. T., O.B.E., M.S., M.B., F.R.C.S., L.D.S. (25, KM.).

Diseases of Women

Hedley, J. P., M.A., M.Ch., M.B. Camb., F.R.C.P., F.R.C.S. (T.).
Vaughan-Sawyer, Mrs., D.Sc., LL.D. Glas., M.D., B.S. (LW.).

Diseases of Women and Midwifery

Barris, J. D., B.A., M.B., B.Ch. Camb., F.R.C.S. (B.).
Berkeley, G. H. A. C., M.A., M.D., M.Ch. Camb., F.R.C.P. (M.).
Bonney, W. F. V., M.D., M.S., B.Sc., F.R.C.S. (M.).
Chapple, H., M.A., M.Ch., M.B. Camb., B.Sc., F.R.C.S. (G.).
Cook, F., M.B., B.S., B.Sc., F.R.C.S. (G.).
Dodd, S., M.A., M.B., B.Chir. Camb. (W.).
Donaldson, M., B.A., M.B., B.Ch. Camb., F.R.C.S. (B.).
Fairbairn, J. S., M.A., M.B., B.Ch. Ox., F.R.C.P., F.R.C.S. (T.).
Goodwin, A., M.D., B.S., F.R.C.S. (W.).
Holland, E., M.D., F.R.C.S., F.R.C.P. (L.).
Luker, S. G., M.A., M.D., B.Ch. Camb. (L.).
McNair, A. J., LL.M., M.A. Camb. (G.).
Palmer, A. C., M.B., B.S., F.R.C.S. (KM.).
Roy, D. W., M.A., M.B., B.Ch. Camb., F.R.C.S. (SG.).

Entomology, Medical

Buxton, P. A., M.A. Camb. (H.).

Forensic Med., v. also Bio-Chem., Chem.—Path.

Brend, W. A. M.A. Camb. M.D., B.Sc. (C.).
Day, H. B., M.D., B.S., F.R.C.S. (KM.).

(B), (C), etc., (23), (24), etc., v. *Note* on p. 160.

Jones, G., M.A., B.M., B.Ch. Ox., D.P.H. (L.).
Lynch, G. R., M.B., B.S., D.P.H. (W.)
Lyster, R. A., M.D., Ch.B., B.Sc. (Pub. Health), D.P.H. Birm., B.Sc. (also in Hyg.) (B.).
Smith, E., M.D. (T.).
Willcox, Sir Wm. H., K.C.I.E., C.B., C.M.G., M.D., B.Sc., F.R.C.P. (SM.).

Helminthology
Leiper, R. T., D.Sc., M.D., Ch.B. Glas. Prof. (H.).

Hygiene
Allan, F. J., M.D., C.M. Edin., D.P.H. Camb. (W.).
Brincker, J. A. H., B.A., M.B., B.Ch. Camb., D.P.H., F.I.C. (SM.).
Brown, R. K., M.D., B.Ch., B.A.O., B.A. R.U.I., D.P.H. (G.).
Carnwath, T., B.A., M.B., B.Ch., B.A.O. (R.U.I.), D.P.H. Camb. (T.).
Foulerton, A. G. R., O.B.E., D.P.H. Camb., F.R.C.S. (LW.).
Lyster, R. A. (v. Forensic Medicine) (B.).
Porter, C., M.D., C.M., B.Sc. Edin. (M.).
Simpson, Sir Wm. J. R., C.M., M.D., C.M. Aberd., F.R.C.P., D.P.H. Camb. Prof. (KM.).
Spitta, H. R. D., M.V.O., M.D. Durh., D.P.H. Camb. (SG.).

Laryngology, Oto-Rhino-
Barwell, H. S., M.B., F.R.C.S. (SG.).
Cheatle, A. H., C.B.E., F.R.C.S. (KM.).
Chubb, G. C., D.Sc., M.B., B.S., F.R.C.S. (W.).
Cleminson, F. J., M.A., M.Ch. Camb., F.R.C.S. (M.).
Davis, E. D. D., F.R.C.S. (C.).
Dundas-Grant, Sir J., K.B.E., M.D., C.M., M.A. Edin., F.R.C.S. (24).
French, J. G., M.B., M.S., F.R.C.S. (LW.).
Graham, C. I., F.R.C.S. (SM.).
Harmer, W. D., M.Ch., M.B., M.A. Camb., F.R.C.S. (B.).
Hastings, S., M.S., M.B., F.R.C.S. (M.).
Hope, C. W. M., M.D., B.S. Durh., F.R.C.S. (KM.).
Howarth, W. G., M.A., M.B., B.Ch. Camb., F.R.C.S. (T.).
Just, T. H., B.A., M.B., B.Ch. Camb., F.R.C.S. (B.)
Lack, H. L., M.D., F.R.C.S. (L.).
Layton, T. B., M.B., M.S., F.R.C.S. (G.).
Lees, K. A., M.A., M.B., B.Ch. Camb., F.R.C.S. (SM.).
Marriage, H. J., M.B., B.S. F.R.C.S. (T.).
Mollison, W. M., C.B.E., M.A., M.Ch. Camb., F.R.C.S. (G.).
Muecke, F. F., C.B.E., M.B., B.Ch. Adel., F.R.C.S. (L.).
Negus, V. E., M.S., M.B., F.R.C.S. (KM.).
Patterson, N., M.B., Ch.B. Edin., F.R.C.S. (L.).
Rose, F. A., M.A., M.B., B.Ch. Camb., F.R.C.S. (B.).
Scott, S. R., M.S., M.B., F.R.C.S. (B., 26).
Tilley, H., B.S., M.D., F.R.C.S. (UM.).

Medicine, v. also Chem.—Path., Dis. of Child., Mental Dis., Pharmacol.
Abrahams, A., B.A., M.D., B.Ch. Camb. (W.).
Beaumont, G. E., M.A., D.M. Ox., F.R.C.P., D.P.H. (M.).
Beddard, A. P., M.D., B.Ch., M.A. Camb., F.R.C.P., F.R.C.S. (G.).

(B), (C), etc., (23), (24), etc., v. *Note* on p. 160.

Bennett, T. I., M.D. (M.).
Boldero, H. E. A., M.A., D.M., B.Ch. Ox. (M.).
Bolton, C., C.B.E., M.D., B.S., D.Sc., F.R.C.P., F.R.S. (UM.).
Bosanquet, W. C., M.A., D.M. Ox., F.R.C.P. (C., 24).
Branson, W. P. S., C.B.E., M.D., B.Ch., B.A. Camb., F.R.C.P. (LW.).
Briscoe, Sir John C., Bart., M.D., F.R.C.P. (KM.).
Broadbent, Sir John F. H., Bart., M.D., B.Ch., M.A. Ox., F.R.C.P. (SM.).
Brown, W. L., M.A., M.D., B.Ch. Camb., F.R.C.P. (B.)
Buzzard, E. F., M.D., B.Ch., M.A. Ox., F.R.C.P. (T., 26).
Carlill, H., M.A., M.D., B.Ch. Camb. (W.).
Cassidy, M. A., M.A., M.D., B.Ch. Camb., F.R.C.P. (T.).
Chodak Gregory, Mrs. H. H., M.D. (LW.).
Cockayne, E. A., M.A., D.M. Ox., Ch.B., F.R.C.P. (M.).
Collier, J. S., M.D., B.Sc., F.R.C.P. (SG., 26).
Conybeare, J. J., B.A., D.M. Ox. (G.).
Crawfurd, R. H. P., M.D., B.Ch., M.A. Ox., F.R.C.P. (KM.).
Dawson of Penn, The Rt. Hon. Lord, G.C.V.O., K.C.M.G., C.B., M.D., B.Sc., F.R.C.P. (L.).
De Souza, D. H., M.D., D.Sc., F.R.C.P. (W.).
East, C. F. T., M.A., B.M., B.Ch. Ox. (KM.).
Elliott, T. R., C.B.E., M.A., M.D. Camb., F.R.C.P., F.R.S. Prof. (UM.).
Ellis, A. W. M., O.B.E., M.D. Prof. (L.).
Evans, A. G., B.A., M.D. Camb., F.R.C.P. (B.).
Fawcett, J., M.D., B.S., F.R.C.P., F.R.C.S. (G.).
Feiling, A., B.A., M.D., B.Ch. Camb., F.R.C.P. (SG.).
Fenton, W. J., M.A., M.D., B.Ch. Camb., F.R.C.P. (C., 24).
Firth, A. C. D., M.A., M.D., B.Ch. Camb., F.R.C.P. (LM.).
Fletcher, H. M., M.A., M.D., B.Ch. Camb., F.R.C.P. (B.).
Forsyth, D., M.D., D.Sc., F.R.C.P. (C.).
Fraser, F. R., B.A. Camb., M.B., Ch.B., F.R.C.P. Edin. Prof. (B.).
French, H. S., C.B.E., M.D., B.Ch., M.A. Ox., F.R.C.P. (G.).
Gosse, A. H., M.D., M.A. Camb. (SM.).
Gow, A. E., M.D., B.S. (B.).
Graham, G., M.D. Camb. (B.).
Hare, Dorothy C., M.D. (LW.).
Harris, W., B.A., M.D., B.Ch. Camb., F.R.C.P. (SM.).
Hartley, Sir Percival H.-S., C.V.O., M.D., B.Ch., M.A. Camb., F.R.C.P. (B., 24).
Holmes, G. M., C.M.G., C.B.E., M.D., B.Ch., B.A.O., B.A. Dub., F.R.C.P. (Med. and *Ophthalmology*) (26).
Horder, Sir Thos. J., Bart., M.D., B.Sc., F.R.C.P. (B.).
Hoskin, T. J., M.A., M.D., B.Ch. Camb. (LW.).
Howell, C. M. H., M.A., M.D. Ox., F.R.C.P. (G.).
Hurst, A. F., M.D. (v. Neurology) (G.).
Lakin, C. E., M.D., B.S., F.R.C.S., F.R.C.P. (M.).
Langmead, F. S., M.D., F.R.C.P. Prof. (SM.).
Lewis, Sir T., C.B.E., D.Sc. Wales, M.D., F.R.C.P., F.R.S. (UM.).
Leyton, O. F. F., D.Sc. Lond., M.A., M.D., B.Ch. Camb., F.R.C.P. (L.).

(B), (C), etc., (23), (24), etc., v. *Note* on p. 160.

MacCormac, H., C.B.E., M.B., Ch.B. Edin., F.R.C.P. (M.).
MacLean, H., M.D., Ch.B. Aberd., M.Sc. Liv., D.Sc. Prof. (T.).
Marshall, G., O.B.E., M.D. (G.).
Miller, R. H., M.D., B.S., F.R.C.P. (SM.).
Mutch, N., M.A., M.D., B.Ch. Camb., F.R.C.P. (also in *Pharmacol.*) (G.).
Parkinson, J., M.D., B.S. (L.).
Phear, A. G., C.B., M.D., B.Ch., B.A. Camb., F.R.C.P. (LW.).
Poulton, E. P., M.A., M.D., B.Ch. Ox., F.R.C.P. (G.).
Purves-Stewart, Sir James P. M., K.C.M.G., C.B., M.D., C.M., M.A. Edin., F.R.C.P. (W.).
Riddoch, G., M.D., Ch.B. Aberd. (L.).
Rowlands, R. A., O.B.E., B.Sc., M.D., B.S. (L.).
Russell, A. E., M.D., B.S., F.R.C.P. (T.).
Russell, J. S. R., M.D., C.M. Edin., F.R.C.P. Prof. (26).
Ryle, J. A., M.D. (G.).
Shaw, H. B., M.D., B.S., F.R.C.P., F.R.C.S. (UM., 24).
Smith, E. B., M.D., B.S., F.R.C.P. (SG.).
Smith, L. A., M.D., F.R.C.P. (L.).
Stewart, T. G., M.D., Ch.B. Edin., F.R.C.P. (26).
Stott, A.W., M.A., B.Ch.Camb. (W.).
Tidy, H. L., M.A., D.M., B.Ch. Ox., F.R.C.P. (T.).
Torrens, J. A., M.D., B.S., F.R.C.P. (SG.).
Tunnicliffe, F. W., M.D. (KM.).
Turner, W. A., C.B., M.D., C.M. Edin., F.R.C.P. (KM., 26).
Voelcker, A. F., M.D., B.S., F.R.C.P. (M.).
Wall, R. C. B., D.M., B.Ch., M.A. Ox., F.R.C.P. (L., 24).
Ward, G. E. S., M.D., B.S., F.R.C.P. (M.).
Willcox, Sir W. H., K.C.I.E., C.B., C.M.G. (SM.).
Wilson, C. M., M.D., B.S., F.R.C.P. (SM.).
Woodwark, A. S., C.M.G., C.B.E., M.D., B.S., F.R.C.P. (W.).
Wynter, W. E., M.D., B.S., F.R.C.P., F.R.C.S. (M.).
Young, R. A., C.B.E., M.D., B.Sc., F.R.C.P. (M., 24).

Mental Diseases

Chambers, J., M.A., M.D., M.Ch. R.U.I. (M.).
Cole, R. H., M.D., F.R.C.P. (SM.).
Craig, Sir Maurice, C.B.E., M.A., M.D., B.Ch. Camb., F.R.C.P. (G.).
Dawson, W. S., M.A., M.D., B.Ch. Ox. (My.).
Gillespie, R. D., M.D., Ch.B. Glas. (G.).
Devine, H., M.D., B.S., F.R.C.P. (My.).
Hart, B., M.D. (UM.).
Macnamara, E. D., M.A., M.D., B.Ch. Camb., F.R.C.P. (C.).
Mapother, E., M.D., F.R.C.S. (KM), (My.).
Norman, H. J., M.B., Ch.B. Edin., D.P.H. Edin. & Glas. (W.).
Petrie, A. A. W., M.D., B.S. Lond., M.D., B.Ch. Edin. (My.).
Phillips, J. G. P., M.D., B.S., F.R.C.P. (Bm.).
Shrubsall, F. C., M.A., M.D. Camb., F.R.C.P., D.P.H. (My.).
Stoddart, W. H. B., M.D., B.S., F.R.C.P., recogd. in Med. at (Bm.) (T.).
Woods, J. C., M.D., B.S. Lond., B.A. R.U.I. (L.).

Midwifery, v. also Diseases of Women

Blacker, Sir George F., M.D., B.S., F.R.C.P., F.R.C.S. (UM.).

Bourne, A. W., B.A., M.B., B.Ch. Camb., F.R.C.S. (S.M.).
Browne, F. J., M.D., Ch.B. Aberd., D.Sc. Edin.
Prof. of Obst. Med. (UM.).
Eden, T. W., M.D. Edin., F.R.C.P., F.R.C.S.E. (C.).
Gilliatt, W., M.D., M.S., F.R.C.S. (KM.).
McIlroy, Anne L., O.B.E., M.D., B.S., D.Sc. Glas.
Prof. of Obst. and Gyn. (LW.).
Smith, G. F. D., M.A., B.M., B.Ch. Ox., F.R.C.S. (SG.).
Stevens, T. G., M.D., F.R.C.S. (SM.).

Neurology

Birley, J. L., M.A., D.M., B.Ch. Ox., F.R.C.P. (T.).
Collier, J. S., M.D., B.Sc., F.R.C.P. (Bm.).
Golla, F. L., O.B.E., M.A., M.B. Ox., M.B., F.R.C.P. (My.).
Howell, C. M. H., M.A., D.M. Ox., F.R.C.P. (26).
Hurst, A. F., M.D., B.Ch., M.A. Ox., F.R.C.P. (G.).
McAlpine, D., M.D., Ch.B. Glas. (M.).
Walshe, F. M. R., M.D., D.Sc., F.R.C.P. (UM.).
Wilson, S. A. K., M.A., B.Sc., M.D. Edin., F.R.C.P. (KM., 26).
Worster-Drought, C. C., M.A., M.D. Camb. (Bm.).

Ophthalmology

Cargill, L. V., F.R.C.S. (KM.).
Collins, E. T., F.R.C.S. (27, C.).
Eason, H. L., C.B., C.M.G., M.D., M.S. (G.).
Fisher, J. H., M.B., B.S., F.R.C.S. (27).
Flemming, P., M.D., B.S., F.R.C.S. (27).
Goulden, C. B., M.A., M.Ch., M.D. Camb., F.R.C.S. (L.).
Greeves, R. A., M.B., B.S., B.A. R.U.I., F.R.C.S. (M.).
Griffith, A. D., M.B., B.S., F.R.C.S. (W.).
Hepburn, M. L., M.D., B.S., F.R.C.S. (LW., 27).
Holmes, G. M., C.M.G., C.B.E., M.D B.Ch., B.A.O., B.A. Dub., F.R.C.P. (27).
Hudson, A. C., M.A., M.D., B.Ch. Camb., F.R.C.S. (27).
James, R. R., F.R.C.S. (SG.).
Jeremy, H. R., F.R.C.S., L.R.C.P. (L.).
Juler, F. A., M.B., B.Ch., M.A. Camb., F.R.C.S. (SM., 27).
Lang, B. T., B.A. Camb., F.R.C.S. (27).
Lawson, Sir Arnold, K.B.E., M.D. Brux., F.R.C.S. (M.).
Lyle, H. W., M.D., B.S., F.R.C.S. (KM.).
Moore, R. F., O.B.E., M.A., B.Ch. Camb., F.R.C.S. (B., 27).
Morgan, O. G., M.A., M.B., M.Ch. Camb., F.R.C.S. (G.).
Neame, H., M.B., Ch.B. (UM.).
Ormond, A. W., F.R.C.S. (G.).
Parsons, Sir John H., C.B.E., D.Sc., M.B., B.S., F.R.C.S., F.R.S. (UM., 27).
Paton, L. J., M.B., B.Ch., B.A. Camb., F.R.C.S. (SM., 26).
Spicer, W. T. H., M.A., M.B. Camb., F.R.C.S. (B., 27).
Whiting, M. H., M.A., M.B. Camb., F.R.C.S. (M.).
Williamson-Noble, F. A., B.A., M.B., B.Chir. Camb., F.R.C.S. (SM.).
Worth, C. A., F.R.C.S. (27).

Pathology, v. also Anat.—Morb., Chem., Bact.

Andrewes, Sir Fredk. W., O.B.E., M.A., M.D., B.Ch. Ox., F.R.C.P., D.P.H. Camb., F.R.S. (recogd. in Bact.) Prof. (B.).

(B), (C), etc., (23), (24), etc., v. *Note* on p. 160.

Boycott, A. E., M.A., B.Sc., B.Ch., D.M. Ox., F.R.S. Graham Prof. (UM.).
Creed, E. ff., M.A., B.M., B.Ch., D.P.H. Ox. (KM.).
Dible, J. H., M.B., Ch.B. Glas. Prof. (LW.).
Donaldson, R., M.A., M.D., D.T.M. Edin., D.P.H., F.R.C.S. (SG.).
Dudgeon, L. S., C.M.G., C.B.E., F.R.C.P. (also in Bact.) Prof. (T.).
Goodhart, G. W., M.D. (UM.).
Hicks, J. A. B., M.D., B.S., D.P.H. (recogd. also in Bact.) (W.).
Hunt, E. L., M.B., B.S. (SG.).
Lakin, C. E., M.D., B.S., F.R.C.P., F.R.C.S. (also in Med.) (M.).
Livingston, A., M.B., Ch.B., M.D.S. Liv. (KM.).
McIntosh, J., M.D., Ch.B. Aberd. Prof. (M.).
Newcomb, W. B., M.A., M.B., B.Chir. Camb. (SM.).
Perry, Bt. Lt.-Col. H. M. J., L.R.C.P. and S.I. (AM.).
Stokes, A., O.B.E., M.D., B.Ch., B.A.O. Dub. Dunn Prof. (G.).
Teale, F. H., M.D., B.Sc., F.R.C.P. (UM.).
Warwick, W. T., M.A., M.B. Camb., F.R.C.S. (M.).

Pathology, Experimental

Chick, Harriette, M.D. (L.).
Martin, C. J., C.M.G., D.Sc. Shef., D.Sc., M.B., F.R.S. (Prof. LI.).
Wright, Sir Almroth E., K.B.E., C.B., M.D., B.Ch., Sc.D. Dub., B.A. Camb., F.R.S. Prof. (SM.).
Douglas, S. R., F.R.S. (and *Bacteriology*) (23).

Pharmacognosy

Wallis, T. E., B.Sc. Reader (P.).

Pharmacology, v. also Med.

Dale, H. H., C.B.E., M.D., F.R.S. (23)
Greenish, H. G., F.I.C., F.L.S., Doc. Univ. Paris (P.).
Hamill, P., M.A., M.D. Camb., D.Sc., F.R.C.P. (B.).
Leyton, O. F. F., M.A., M.D., B.Ch. Camb., D.Sc., F.R.C.P. (also in Med.) (L.).
Scarborough, Eleanor M. Reader (LW.).
Woolley, V. J., M.A., M.D. Camb. (T.).

Physics

Brinkworth, J. H., M.Sc. (T.).
Hopwood, F. L., D.Sc. Prof. (B.).
Russ, S., D.Sc. Joel Prof. (M.).
Stead, G., M.A. Camb. Reader (G.).
White, W. H., M.A. Camb., B.Sc., A.R.C.S. (SM.).

Physiology

Collingwood, B. J., B.A., M.D., B.Ch. Camb. Prof. (SM.).
Cullis, Winifred C., O.B.E., D.Sc. Prof. (LW.).
Dale, H. H., C.B.E., M.A., M.D. Camb., F.R.S. (and *Pharmacology*) (23).
Hewer, E. E., D.Sc. (*Histology*) (LW.).
Hill, L. E., M.B., F.R.C.S. (23).
Huggett, A. S. J. M., Ph.D., M.B., B.S., B.Sc. Lond. (T.).
Mellanby, J., M.A., M.D. Camb. Prof. (T.).
Pembrey, M. S., M.A., M.D., B.Ch. Ox., F.R.S. Prof. (G.).
Roaf, H. E., M.D. Tor., D.Sc. Liv. Prof. (L.).
Scott, J. M. D., Ph.D. Camb., M.A. St. And., M.D., Ch.B. Edin. (B.).
Smart, W. A. M., B.Sc., M.B., B.S. (L.).
Symes, W. L., M.R.C.S. (T., 9).
Vincent, S., D.Sc. Edin., M.D. Prof. (M.).

(B), (C), etc., (23), (24), etc., v. *Note* on p. 160.

Protozoology [(H.).
Robertson, A., M.B., Ch.B. Edin.
Thomson, J. G., M.A., M.B., Ch.B. Edin. Reader (H.).
Woodcock, H. M., D.Sc. (LI.).

Radiology
Colwell, H. A., M.B. Lond., D.P.H. Ox. (KM.).
Webster, J. H. D., M.D., Ch.B. Edin. (M.).

Surg., v. also Dis. of Child.
Adams, J. E., M.S. (T.).
Addison, O. L., M.B., B.S., F.R.C.S. (25).
Armour, D. J., C.M.G., M.B., B.A. Tor., F.R.C.S. (26).
Back, I., M.A., M.B., B.Ch. Camb., F.R.C.S. (SG.).
Ball, W. G., F.R.C.S (B.).
Bankart, A. S. B., M.A., M.Ch. Camb., F.R.C.S. (Orthopædics) (M.).
Bromley, L., M.B., M.Ch. Camb., F.R.C.S. (G.)
Bryan, C. W. G., F.R.C.S. (SM.).
Buxton, N. St. J. G. D., M.B., B.S. Lond., F.R.C.S. (KM.).
Cade, S., F.R.C.S. (W.).
Carling, E. R., M.B., B.S., F.R.C.S. (W.).
Cheatle, Sir George L., K.C.B., C.V.O., F.R.C.S. (KM.).
Choyce, C. C., C.M.G., C.B.E., B.Sc., M.D. Edin., F.R.C.S. (UM.).
Clogg, H. S., M.S., M.B., F.R.C.S. (C.).
Cope, V. Z., M.A., M.D., M.S., F.R.C.S. (SM.).
Cunning, J., M.B., B.S. Melb., F.R.C.S. (LW.).
Daniel, P. L., F.R.C.S. (C.).
Davies-Colley, R., C.M.G., M.A., M.Ch. Camb., F.R.C.S. (G.).
Dunhill, T. P., C.M.G., M.D., B.S. Melb. (B.).
Eccles, W. McA., M.S., M.B., F.R.C.S. (B.).
Edmunds, A., M.S., B.Sc. Lond. (KM.).
Edwards, A. T., M.A., M.Ch. Camb., F.R.C.S. (W.).
Elmslie, R. C., M.B., B.S. Lond., F.R.C.S. (B.).
English, Sir Thos. C., K.C.M.G., M.B., B.S., F.R.C.S. (SG.).
Evans, A. H., O.B.E., M.D., M.S., F.R.C.S. (W.).
Everidge, J., O.B.E., F.R.C.S. (KM.).
Ewart, G. A., B.A. Camb., F.R.C.S. (SG.).
Fagge, C. H., M.S., M.B., F.R.C.S. (G.).
Fedden, W. F., M.S., M.B., F.R.C.S. (SG.).
Fitzwilliams, D. C. L., C.M.G., M.D., Ch.M. Edin., F.R.C.S. (SM.).
Frankau, C. H. S., C.B.E., M.B., B.S., F.R.C.S. (SG.).
Gask, G. E., C.M.G., F.R.C.S. Prof. (B.).
Gordon-Taylor, G., M.A. Aberd., M.S., B.Sc., F.R.C.S. (M.).
Gordon-Watson, Sir Charles, K.B.E., C.M.G., F.R.C.S. (B.).
Gould, E. L. P., M.A., M.Ch., D.M. Ox. (M.).
Gray, H. T., M.A., M.Ch. Camb., F.R.C.S. (25).
Handley, W. S., M.D., M.S., F.R.C.S. (M.).
Howard, R. J., C.B.E., M.S., M.B., F.R.C.S. (L.).
Hughes, E. C., M.A., M.Ch. Camb., F.R.C.S. (G.).
Joll, C. A., M.B., B.Ch. Brist., M.B., M.S., B.Sc. (LW.).
Legg, T. P., C.M.G., M.S., M.B., F.R.C.S. (KM.).
Lett, H., C.B.E., M.B., Ch.B. Manc., F.R.C.S. (L.).
Lewis, Emily C., M.S., M.B., F.R.C.S. (LW.).

(B), (C), etc., (23), (24), etc., v. *Note* on p. 160.

Lindsay, E. C., B.Sc. N.Z., M.B., B.S., F.R.C.S. (L.).
Low, V. W., C.B., M.D., B.S., F.R.C.S. (SM.).
Martin, E. K., M.B., Ch.B. (UM.).
Maybury, B. C., M.B., B.S., F.R.C.S. (T.).
Milne, R., M.D., M.S., F.R.C.S. (L.).
Mitchiner, P. H., M.B., M.S., F.R.C.S. (T.).
Mullally, G. T., M.S. (W.).
Murray, J., M.B., B.Ch. Dub., F.R.C.S. (M.).
Neligan, G. E., B.M., B.Ch. Ox., F.R.C.S. (L.).
Nitch, C. A. R., M.B., M.S., F.R.C.S. (T.).
Norbury, L. E. C., M.B., B.S., F.R.C.S. (LW.).
Ogilvie, W. H., M.A., M.D., M.Ch. Ox., F.R.C.S. (LW.).
Page, C. M., M.S., F.R.C.S. (T.).
Pannett, C. A., M.D., B.S., B.Sc., F.R.C.S. Prof. (SM.).
Perrin, W. S., M.B., M.Ch. Camb., F.R.C.S. (L.).
Rawling, L. B., B.A., M.B., B.Ch. Camb., F.R.C.S. (B.).
Rigby, Sir Hugh M., K.C.V.O., M.B., M.S., F.R.C.S. (L.).
Roberts, J. E. H., O.B.E., M.B., B.S., F.R.C.S. (B.).
Romanis, W. H. C., M.A., M.B., M.Ch. Camb., F.R.C.S. (T.).
Rowlands, R. P., O.B.E., M.B., M.S., F.R.C.S. (G.).
Sargent, P. W. G., C.M.G., M.A., M.B., B.Ch. Camb., F.R.C.S. (T., 26).
Shattock, C. E., M.D., M.S., F.R.C.S. (LW.).
Slesinger, E. G., O.B.E., B.Sc., M.S., F.R.C.S. (G.).
Smith, S. M., C.B., M.B., B.S., F.R.C.S. (SM.).
Souttar, H. S., C.B.E., M.A., B.M., M.Ch. Ox., F.R.C.S. (L.).
Spencer, W. G., O.B.E., M.S., M.B., F.R.C.S. (W.).
Steward, F. J., M.S., M.B., F.R.C.S. (G.).
Thompson, A. R., M.B., Ch.M. Manc., F.R.C.S. (G.).
Thomson-Walker, Sir J. W., O.B.E., M.B., C.M. Edin., F.R.C.S. (KM.).
Trethowan, W. H., M.B., B.S. Lond., F.R.C.S. (G.).
Trotter, W. B. L., M.D., M.S., F.R.C.S. (UM.).
Turner, P., M.S., M.B., B.Sc., F.R.C.S. (G.).
Turner, W., M.S., M.B., F.R.C.S. (W.).
Vick, R. M., O.B.E., M.A., M.Ch., F.R.C.S. (B.).
Wakeley, C. P. G., F.R.C.S. (KM.).
Wallace, Sir Cuthbert S., K.C.M.G., C.B., M.B., F.R.C.S. (T.).
Walton, A. J., B.Sc., M.B., M.S., F.R.C.S. (L.).
Waring, Sir Holburt J., C.B.E., M.B., M.S., B.Sc., F.R.C.S. (B.).
Warwick, W. T., M.B., Ch.B. (M.).
Waterhouse, Sir Herbt. F., M.D. Edin., F.R.C.S. (C.).
Waugh, G. E., B.A. Camb., M.D., B.S., F.R.C.S. (25).
Webb, C. H. S., M.S., M.B., F.R.C.S. (M.).
Webb-Johnson, A. E., C.B.E., M.B., Ch.B. Manc., F.R.C.S. (M.).
West, Lt.-Col. J. W., M.B., B.Ch., B.A.O., N.U.I., M.S. Belf., D.P.H.I. (Mily. S.) (AM.).
Williams, G. E. O., M.D., M.S., F.R.C.S. (UM.).
Wilson, H. W., M.B., M.S., F.R.C.S. (B.).

Trop. Med.

Hewlett, R. T., M.D., F.R.C.P. (H.).

(B), (C), etc., (23), (24), etc., v. *Note* on p. 160.

Low, G. C., M.A. St. And., M.D., C.M. Edin. (H.).
Newham, H. B. G., C.M.G., M.D., D.P.H., D.T.M. and H. Camb. (H.).

Venereal Diseases

Harrison, Col. L. W., M.B., Ch.B. Glas. (T.).

Zoology, v. also Protozoology

Evans, Thomas James, M.A. Ox. (G.).

Dental Science

Dental Anat. and Physiol.

Hopson, M. F., L.D.S. (D. Anat.) (G.).
Underwood, A. B. G., M.B., B.S., L.D.S. (UM.).

Dental Histology

Malleson, H. C., L.D.S., M.R.C.S., L.R.C.P. (G.).

Dental Materia Medica

Doubleday, F. N., L.D.S. (G.).

Dental Mechanics

Bull, F. B., L.D.S. (G.).
Chapman, H., L.D.S. (*Orthodontics*) (L.).
Gabell, D. P., L.R.C.P., M.R.C.S., L.D.S. (D.).
Matthews, G. F. C., B.D.S. Birm., L.D.S. (KM.).
Olver, S. H., L.D.S. (UM.).

Dental Prosthetics

Fry, W. K., L.D.S. (G.).
Milne, J. B., L.D.S. Edin. (KM.).

Dental Surgery

Bennett, N. G., M.A., M.B., B.Ch. Camb., L.D.S. (SG.).
Buxton, J. L. D., L.D.S. (UM.).
Clapham, H. D., M.R.C.S., L.R.C.P., L.D.S. (L.).
Colyer, Sir James F., K.B.E., L.R.C.P., F.R.C.S., L.D.S. (C.).
Dolamore, W. H., L.R.C.P., M.R.C.S., L.D.S. (SM., D.).
Dowsett, E. B., D.S.O., L.D.S., M.R.C.S., L.R.C.P. (G.).
Livingston, A.,M.B., Ch.B., M.D.S. Liv. (Surg. and Path) (KM.).
Pearce, F. J., L.D.S., D.D.S. (G.).
Sprawson, E. C., M.R.C.S., L.R.C.P., L.D.S. (L.).
Turner, H. W., M.R.C.S., L.D.S. (M.).
Turner, J. G., F.R.C.S., L.D.S. (D.).
Wallis, C. E., L.R.C.P., M.R.C.S., L.D.S. (KM.).

GENERAL INFORMATION

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ST. BARTHOLOMEW'S HOSPITAL, Medical College, West Smithfield, E.C.1. Dean—T. W. Shore, O.B.E., M.D., B.Sc. Sub-Dean—J. B. Hume, M.S., F.R.C.S.

Founded 1662. Appointed and Recognized Teachers—43 (v. *supra*); *Library*: the largest of the kind in London. *Museum*: 9400 specimens, 2000 casts and drawings. *Laboratories*, with facilities for research in Path., Pharmacol., etc. 757 beds. *Fees*: 220 gs. for whole curriculum; from 1st M.B., 190 gs. *Scholarships*: total annual value over £1000; two for

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BETHLEM ROYAL HOSPITAL, Lambeth Rd., S.E.1. *Physician Superintendent*—J. G. Porter Phillips, M.D., B.S., F.R.C.P.

Founded 1247. A centre for the teaching and practice of *Psychological Medicine.* Two courses of lectures and practical instruction for Dip. Psy. are held annually. Daily clinical instruction classes. Pathological Laboratory. X-Ray apparatus. Out-patients dept. at 52 Lambeth Rd., S.E.1. (Tues. and Fri. aftn., Thurs. morn.). Convalescent Home at Witley, Surrey.

CHARING CROSS HOSPITAL, Medical School, Charing Cross, W.C.2. Dean—W. J. Fenton, M.D., F.R.C.P. Secy.—F. Noakes. Founded 1821. Appointed and Recognized Teachers (v. *supra*)—14. *Fees*: entrance, 10 gs.; annual, 42 gs. Several scholarships, etc. Women students are admitted.

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Founded in connexion with St. Thomas's, 1769; as a separate School, 1825. Appointed and Recognized Teachers—50 (v. *supra*). Library, 10,000 vols. Museum, 5000 specimens and 2000 drawings. 626 beds. Fully equipped Dental Dept. with Lab. *Fees*: entrance, £28; annual, £49. Foundations in aid of Research: Lect'ship in Path., approx. £1300 p.a.; in Clin. Chem., £250; Trav. Studentship, £150; Studentship in Mat. Med., £40; in Path., £250; Dem'rship in Clin. Chem., £150; in Path., £320; Med. Research Fellowship, etc. Numerous prizes and entrance scholps. Resident *appointments*—58 annually. *Residential* accommodation for 35 students. Furnished rooms, 19s. to 36s. *Students' publication*: *G.H. Gazette.* Women students are not eligible for admission.

HYGIENE AND TROPICAL MEDICINE, LONDON SCHOOL OF. Director—Dr. Andrew Balfour, C.B., C.M.G., D.P.H. Secy.—R. W. Harris. 23 Endsleigh Gardens, Euston Rd., N.W.1.

This School, constituted by Royal Charter on April 1, 1924, took over on Aug. 1, 1924, the London School of Tropical Medicine, formerly under the control of the Seamen's Hospital Society. The Charter provides that, subject to compliance with the Statutes of the University, it will be recognized in the Faculty of Science and in the Faculty of Medicine in so far as the branches of Public Health, Hygiene, State Medicine, and Tropical Medicine are concerned.

The school is being built and equipped with a sum of $2,000,000 provided by the Rockefeller Foundation, who made the gift on the understanding that the British Government would make adequate grants for staffing and maintaining the School when the new building is completed. It will include the following departments: (1) Applied Physiology and Principles of Hygiene; (2) Chemistry and Bio-Chemistry; (3) Immunology and Bacteriology; (4) Medical Zoology; (5) Epidemiology and Statistics; (6) the Practice of Preventive Medicine, General Sanitation, and Administration; (7) Tropical Medicine (and Hygiene). It will provide for the training and equipment of public health officers, and for research in the various branches of preventive medicine.

Division of Tropical Medicine and Hygiene. The work of the Tropical Division of the School is carried on at present at Endsleigh Gardens, Euston Road, N.W.1. Appointed and Recognized Teachers—8 (v. *supra*). Library, Museum, and up-to-date Laboratories with accommodation for 100. Special Depts. for Entom., Helminth., Proto-zool. In the various Hospls. of the Seamen's Hospital Society are always numerous cases of Trop. Diseases. The funds available for encouraging research include the Lord Milner Research Funds, the Wandsworth Bequest, and the E. J. Stanley Memorial. Research expeditions are equipped and maintained by the School and Field Stations established. Students must ordinarily be qualified Med. practitioners or qualified Veterinary Surgeons. There are 2 sessions of 20 weeks each. An examn. is held at end of each term. Trop. Med. courses suitable for candidates for the M.D. in Trop. Med., Camb. diploma in Trop. Med. and Hyg., and diploma in Dis., etc., of Tropics of Roy. Colls. Certificates granted. *Fees*: 30 gs. for 20 weeks. *Number of Students* about 60 per session.

KING'S COLLEGE HOSPITAL, Medical School, Denmark Hill, S.E.5. Dean—H. Willoughby Lyle, M.D., B.S., F.R.C.S. Vice-Dean—J. A. Drake, M.D., M.R.C.P., D.P.H. Secy.—S. C. Ranner, M.A. Women students are admitted.

Appointed and Recognized Teachers—36 (v. *supra*); others—18. *Fees*: entrance, 10 gs.; complete courses for Med. Degree and Diploma examns., 200 gs.; final course only, 93 gs. *Scholarships*: 2 of £80 for Ox. and Camb. students; 1 of £50 for Univ. students from Epsom College; 1 of £50 at entrance (Science) and 2 of £50 for students who have passed in Biol., Chem., and Physics and propose to graduate in any British Univ. *Hostel* with accommodation for 80 men students. *Students' Publication*: *K.C.H. Gazette.*

LONDON HOSPITAL, Medical College, Turner St., Mile End, E.1. Dean—Prof. W. Wright, M.B., D.Sc., F.R.C.S. Secy.—E. J. Burdon. Women students are not eligible for admission.

Founded 1781. Appointed and Recognized Teachers—39 (v. *supra*); others—65. Library includes Thompson Yates Research Library containing chief foreign periodicals for Anat., Physiol., and Path. Laboratories include those of Path. Inst. for Advanced Research. 950 beds. *Fees*: entrance, 20 gs.; annual, 40 gs. 34 scholps. and prizes. Hostel for 25 students. 150 appointments available for students. *Student Publication*: *L.H. Gazette.*

LISTER INSTITUTE OF PREVENTIVE MEDICINE, Chelsea Bridge Rd., S.W.1. Director—Prof. C. J. Martin, C.M.G., M.B., D.Sc., F.R.S. Secy.—A. L. White.

Founded 1891 for Research into causation, prevention, and treatment of diseases of men and animals. Open to Research students of both sexes,

usually without fee. Appointed and Recognized Teachers—9 (v. *supra*); 10 other members of scientific staff.

LONDON (ROYAL FREE HOSPITAL) SCHOOL OF MEDICINE FOR WOMEN, 8 Hunter St., Brunswick Sq., W.C.1. Dean—Lady Barrett, C.B.E., M.D., M.S. Warden and Secy.—Miss Brooks.

Founded 1874. Appointed and Recognized Teachers—26 (v. *supra*); others—32. 240 beds. Special arrangements with several other Hospls. for Clin. study and dresserships, etc. Research Laboratories: Anat., Biol., Chem., Obst. and Gyn., Path., Pharmacol., Physics, Physiol. Courses for B.Sc. Hons. in Anat. and Physiol., as well as for Med. degrees and diplomas. Arrangements for Dental students. *Fees*: Composition, for full Med. course, £240, in annual instalments, £35, £60, £60, £50, £35. Students' chambers provided for 50 students. *Student Publication*: *L.S.M. Gazette.*

MAUDSLEY HOSPITAL, Denmark Hill, S.E.5. Medical Superintendent—E. Mapother, M.D., F.R.C.S. Director of Pathological Department—F. L. Golla, M.B., F.R.C.P.

Founded by the London County Council for research in Psychological Medicine, the teaching of this subject, and the treatment, on a voluntary basis, of those suffering from neuroses and from recoverable forms of mental disorder. The Hospital, which is similar in general character to the Neurological and Psychiatric Clinics of the Continent and America, and the associated Pathological Department, which serves all the London County Mental Hospitals (containing 20,000 patients), were admitted as a School of the University for research in Psychological Medicine on May 7, 1924. The Hospl. has 157 beds and an out-patient department. The Path. Dept. includes a Library and Laboratories for anatomical, bio-chemical, bacteriological, and experimental investigations. Diploma and other courses for undergraduate and graduate students. Facilities for research and for gaining experience. Ordinarily no charge is made for research work, and special grants-in-aid may be made.

MIDDLESEX HOSPITAL, Medical School, Mortimer St., W.1. Dean—E. L. Pearce Gould, M.D., F.R.C.S. School Secy.—R. A. Foley.

Founded 1835. Appointed and Recognized Teachers—38 (v. *supra*); others—13. Over 450 beds, including *Cancer wing* (90); Bland-Sutton Institute of Path. with Museum and Labs., *Cancer Research* Labs. (Prof. S. Russ), new Bio-Chem. Labs. Scholarships, etc., worth £1000 p.a., include 4 of £150 for *Cancer Research*. *Fees*: Entrance, £25; annual, £45. Women students not admitted.

NAVAL MEDICAL SCHOOL OF THE ROYAL NAVAL COLLEGE, Greenwich, S.E.10. Director of Med. Studies—Surg.-Comdr. T. B. Shaw, M.B., Ch.B. Edin., R.N.

Opened 1912. Courses (twice a year) in General and Naval Hygiene, Clin. Path., Micro-Biology, for acting Surg.-Lieuts. (2 mos., followed by 4 mos. at Haslar Hospl.); Surg.-Lieuts. (5 mos.) for promotion; for Senior Med. Officers (3 mos.). Number of officers under instruction (average)—80 a year.

SCHOOL OF PHARMACY of Pharmaceutical Society of Great Britain, 17 Bloomsbury Sq., W.C.1. Dean—Prof. H. G. Greenish, D. ès Sc. Paris, F.I.C., F.L.S.

Founded 1842. Admitted as a School of the Univ. (in Pharmacy only) on Jan. 1, 1925. Recognized Teachers—3 (v. *supra*); others—8. *Fees*: Elem. Course, 25 gs.; advanced, 20 gs. Open to students of both sexes.

ST. GEORGE'S HOSPITAL, Medical School, Hyde Park Corner, S.W.1. Dean—A. Feiling, M.D., F.R.C.P.

Founded 1752. Appointed and Recognized Teachers—19 (v. *supra*); others—19. 440 beds. *Fees*: entrance for Clinical course, 10 gs. Annual composition, 40 gs. Scholarships, etc., worth £180 p.a. for encouragement of research. *St G.'s Gazette* is issued 3 times a year. Women students are not eligible for admission.

ST. MARY'S HOSPITAL, Medical School, Paddington, W.2. Dean—C. M. Wilson, M.D., F.R.C.P. Secy.—B. E. Matthews, B.A. *Students' Publication*: *St. M. H. Gazette.*

Founded 1852. Appointed and Recognized Teachers—34 (v. *supra*); others—20. *Fees*: Course for 1st M.B., 3 terms, 20 gs.; entire curriculum, £200. *Scholarships*: £210 (2), £200 (2), £25. *Clinical Units* in Med. and Surg. established in 1920–21.

ST. THOMAS'S HOSPITAL, Medical School, Albert Embankment, S.E.1. Dean—Sir Cuthbert S. Wallace, K.C.M.G., C.B. Medical Secretary—L. B. Maxwell, O.B.E., M.B.

Founded in 16th century. Recognized Teachers—37 (v. *supra*); others—36. Path. Dept. includes Museum with 3000 specimens. Large Laboratories for teaching and research. Hospl. beds, 602. *Fees*: Tuition per annum, £50. Hostel accommodation for 15. Women students are not eligible for admission.

TROPICAL MEDICINE, LONDON SCHOOL OF, v. *supra*—Hygiene.

UNIVERSITY COLLEGE HOSPITAL, Medical School, Gower St., W.C.1. Dean—A. M. H. Cray, C.B.E., M.D., F.R.C.P., F.R.C.S. Vice-Dean—Gwynne Williams, M.S., F.R.C.S. Secy.—G. E. Adams, F.C.I.S. Open to both sexes.

The Med. School was separated from the Univ. Coll. Med. Faculty in 1905. Recognized Teachers—26 (v. *supra*); others 84. *Library*, 20,500 vols. The *Charles Graham Laboratories*, under the direction of Prof. A. E. Boycott, were established in 1902 for research in Path. A limited number of qualified students are admitted as Lab. workers, to whom grants may be made. *Fees*: course for Final M.B., B.S., or 3rd examn. of Conjoint Board—112 gs. *Scholarships, etc.*: annual value, £1250. *Residence* for Maternity students. *Publications*: *Prospectus, Transactions of Research Dept., Magazine* (Students').

The NATIONAL DENTAL HOSPITAL, founded in 1861, became the Dental Department of Univ. College Hospl. in 1914. Address: 187-191 Gt. Portland St. and 59 Devonshire St., W.1.

WESTMINSTER HOSPITAL, Medical School, 12 Caxton St., Westminster, S.W.1. Dean—A. S. Woodwark, C.M.G., C.B.E., M.D., F.R.C.P. Secy.—Major J. Burke, D.S.O. Women students are admitted.

Founded 1834. Recognized Teachers—24 (v. *supra*); others—12. *Fees*: 35 gs. p.a. and 10 gs. entrance.

23. NATIONAL INSTITUTE FOR MEDICAL RESEARCH, Mount Vernon, Hampstead, N.W.3. Departments for Experimental Pathology and Bacteriology, Biochemistry and Pharmacology, Applied Physiology and Hygiene, and Medical Statistics, each under a separate Director. All communications should be addressed to the Secy., Medical Research Council, 15 York Buildings, Adelphi, W.C.2.

24. BROMPTON HOSPITAL FOR CONSUMPTION AND DISEASES OF THE CHEST, Fulham Rd., S.W.3. *Dean*—Maurice Davidson, M.A., M.D. *Sub-Dean*—E. E. Atkin, B.A., M.B. (*b*) Med., Oto-Rhino-Laryngology, Pathology.

25. HOSPITAL FOR SICK CHILDREN, Gt. Ormond St., W.C.1. *Dean*—W. J. Pearson, D.S.O., M.C., D.M., M.R.C.P. (*b*) Bact., Dis. of Child., Surg.

26. NATIONAL HOSPITAL FOR THE PARALYSED AND EPILEPTIC, Queen Sq., W.C.1. *Dean*—J. G. Greenfield, B.Sc., M.D. (*b*) Med., Neurology, Ophth., Oto-Rhino-Laryng., Surg. (*c*) 584.

27. ROYAL LONDON OPHTHALMIC HOSPITAL, City Rd., E.C.1. *Dean*—M. L. Hepburn, M.D., B.S., F.R.C.S. (*b*) Ophth. (*c*) 220.

[(*b*) Subjects in which recognized. (*c*) Number of students.]

FACULTY OF LAWS

The teaching of the Univ. has been arranged on an inter-collegiate basis, the Profs. and Teachers of Univ. and King's Colleges and of the London School of Economics dividing the work among them. See also staff lists of Birkbeck College and School of Economics.

PROFESSORS AND TEACHERS

Allemès, F., B. ès L., L. ès L.
Avocat Lectr. (Code Civil) (E.).

Ball, W. Valentine, O.B.E., M.A. Camb.* (Railway L.) (K. and E.).

de Montmorency, J. E. G., M.A., LL.B. Camb.*
Quain Prof. of Comparative L. (U.).

Dold, G., B.A., LL.B.
Lectr. (Roman Dutch Law) (U.).

Griffith, W. Hussey, M.A. Camb.* (Common L.) (K.).

Gutteridge, H. C., M.A., LL.M. Camb.*, Docteur en Droit (Lyon)
Cassel Prof. of Comml. and Indust. L. (E.).

Hibbert, W. N., LL.D.* (Jurispr. & Roman L.) (K.).

Humphries, S., B.A., LL.B. Camb. (Comml. and Merc. L.) (4).

Hurst, G. H. J., M.A., LL.M. Camb.*
Reader in English L. (U.) and Lectr. in Conveyancing (E.).

Jenkins, H. J. S., M.A., B.C.L. Ox.*
Lectr. (Crim. Law and Conflict of Laws) (E.).

Jenks, E., M.A. Ox. and Camb., D.C.L. Ox., LL.B.
Prof. of English L. (E.).

Jolowicz, H. F., M.A. Ox., M.A., LL.B. Camb. (U.).

Mackay, H. J. H., M.A., LL.B. Glas.* (English L.) (K.).

McNair, A. D., M.A., LL.D. Camb.* (Reader in Internat. L.) (E.).

Morgan, J. H., B.A. Ox., M.A.*
Prof. of Constitl. L. (U.), and Lectr. in Colonial Const. L. (U.).

Ostrorog, Count L. (Mohammedan Public Law and Ottoman Law)
Hon. Lectr. (U.).

Parry, D. H., M.A. Wales, LL.M. Camb.*
Lectr. (Property and Common Law) (E.).

Robson, W. A., B.Sc. (Econ.). Ph.D.*
Lectr. (Industrial L. and Law of Local Govt.) (E.),

Roxburgh, R. F., B.A. Camb.* (Comml. and Indust. L.) (E.).

Sabonadière, A. (Hindu and Mohammedan L.) (U. and O.).

Slesser, Sir Henry H.,* K.C. (Indust. L.) (E.).

* Barrister-at-Law.

For keys to symbols, (K.), etc., see p. 106 ; (4), p. 177.

OTHER INSTITUTIONS HAVING RECOGNIZED TEACHERS

(1) GOLDSMITHS' COLLEGE.*
(2) BATTERSEA POLYTECHNIC.
(4) CITY OF LONDON COLL.
(6) JEWS' COLL.
(7) NORTHAMPTON POLYT. INST.
(8) NORTHERN POLYT.
(9) ROYAL VETERINARY COLL.
(10) SIR JOHN CASS TECH. INST.
(11) CHELSEA POLYT.
(12) WEST HAM MUNICIPAL COLL.
(13) WOOLWICH POLYTECHNIC.
(14) MARIA GREY TRAINING COLL.
(15) ST. MARY'S COLL., PADDINGTON.
(16) FURZEDOWN TRAINING COLLEGE.
(18) ROTHAMSTED EXPERIMENTAL STATION.
(19) ROYAL ACADEMY OF MUSIC.
(20) ROYAL COLL. OF MUSIC.
(21) TRINITY COLL. OF MUSIC.

* Incorporated in the Univ.

NAMES OF RECOGNIZED TEACHERS

Note.—In the following list the names of the institutions are indicated by the numerals—(1), (2), etc., as above. Teachers to whom only probationary recognition has been granted are not included in the list.

Agriculture

Keen, B. A., D.Sc. (Physics applied to A.) (18).

Biology, v. *supra*, Medical Schools' Recognized Teachers

Botany

Drabble, F., D.Sc. Lond. and Sheff., A.R.C.S., F.L.S. (8).
Lacey, H. B., F.L.S. (11).

Chemistry

Arnall, F., M.Sc. (11).
Barnett, E. de B., B.Sc. (10).
Clough, G. W., D.Sc. Birm. (9).
Cook, J. W., M.Sc., Ph.D. (10).
Dean, G., M.A. Camb. (12).
Doree, C., M.A. Ox., D.Sc. (11).
Drakeley, T. J., Ph.D., M.Sc., F.C.S., A.I.C. (8).
Field, S., A.R.C.S. (Applied C.) (7).
Hunter, H., D.Sc. (2).
Kenyon, J., D.Sc., F.I.C. (2).
Lowe, F. H., M.Sc. Manc. (11),
Melland, G., M.Sc. Manc., A.R.S.M., F.I.C. (13).
Pickard, R. H., B.Sc. Birm., Ph.D. Munich, D.Sc., F.R.S. (2).
Sand, H. J. S., Ph.D. Zür., D.Sc. Birm. (10).
Smith, F. W., B.Sc. (8).
Streatfeild, F. H. (12).
Thorne, P. C. L., M.A. Camb. (10).
White, J. L., D.Sc. Durh. (2).

Chemistry, Organic

Crocker, J. C., M.A. Camb., D.Sc., F.C.S. (11).
Richardson, D. H., M.Sc. (8).

Classics

Crump, Mary, M.A. (Latin) (1).

Education, v. also Music
Brock, F. H. C., M.A. (1).
Catty, N. M., M.A. (1).
Firth, Catherine B., D.Lit. Lond. (16).
Graveson, Caroline C., B.A. (1).
Johnston, Katharine L., M.A. Sheff., T.D. Camb., B.A. (14).
Meiklejohn, Grace I. W., M.A. Edin. (14).
Raymont, T., M.A. (1).
Reaney, Mabel J., D.Sc. Lond. (16).
Silsby, Eleanor, M.Sc. Lond. (16).
Smith, Phyllis W., M.A. (14).
Steppat, Mrs. M. A. A., M.A. Durh., M.A. (14).
Terry, Edith, M.A. Lond. (16).
Wimms, J. H., M.A. Wales, B.Sc. (1).

Engineering, Civil
Bolam, W. N., B.Sc. Edin. (7).
Curnock, W. E. M., M.Sc. (Eng.) Manc., B.Eng. Liv., A.M.I.E.E. (Lectr. in Civ. and Mech. E.) (2).

Engineering, Electrical
Baillie, T. C., D.Sc., M.A. Edin., A.M.I.E.E. (12).
Boraston, C. A., B.Sc. (Eng.) Liv. (7).
Bridger, W., B.Sc. (Eng.) (12).
Burgess, Alfred F., B.Sc. (Eng.) (7).
Dover, A. T., A.M.I.E.E. (2).
Dowse, C. M., B.Sc. (Eng.) (7).
Hill, H., B.Sc. (Eng.) (7).
Howgrave-Graham, R. P. (recognized also in Applied Physics) (7).
Jolley, A. C. (7).
Mann, H. C., B.Sc. (Eng.) (2).
Spencer, W. G., M.Sc. (Tech.) Manc., A.M.I.E.E. (13).

Engineering, Mechanical, v. also E., Civil
Ashworth, M. H., B.Sc. Manc. (13).
Davies, V. C., B.Sc., A.M.I.Mech.E. (2).
Dumbrill, W. E., B.Sc. (Fluids) (7).
Edmonds, H. M., B.Sc. (Eng.) (2).
Frier, J. D. (Fluids) (7).
Larard, C. E., M.I.Mech.E., M.I.C.E. (7).
Peck, W. J., M.Sc. (Eng.) Sheff. (2).
Richardson, D. (7).
Scoble, W. A., M.B.E., D.Sc. (Eng.), M.I.Mech.E., A.M.I.C.E. (13).
Shaw, J. B., A.R.C.S. (2).

Engineering, Mech., and Surveying
Duncan, J., M.I.Mech.E. (12).
Gladwyn, A. E., B.Sc. (Eng.), A.M.I.Mech.E. (12).
Parker, W. E., B.Sc. (Eng.) Manc. (7).

Geology
Brammall, A., M.Sc. (8).
Maslen, A. J., F.G.S. (11).

History
Dymond, Dorothy, M.A. (1).

Law, Commercial and Mercantile
Humphries, S., B.A., LL.B. Camb. (4).

Mathematics
Bickley, W. G., M.Sc. (2).
Church, A. E. R., M.A., B.Sc. (10).
Cooke, R. G., M.Sc. (11).
Clay, R. S., B.A. Camb., D.Sc. (Mathematics and *Physics*) (8).
Curzon, H. E. J., M.A. Camb., D.Sc. (1).
Harvey, F. W., M.A. R.U.I., B.Sc. (2).
Lister, J., A.R.C.S. (11).
Littlejohn, E. S., M.Sc. Manc. (12).
Rhind, A., B.Sc., A.R.C.S. (8).
Salmon, W. H., M.A. Camb., B.Sc. (12).
Saxelby, F. M., M.Sc. Manc., B.A. (2).

Smith, R. T., B.A. Camb. (13).
Turner, G. C., B.Sc. (7).

Medicine and Surgery, v. *supra* (p. 160).

Metallurgy

Naish, W. A., A.R.S.M., M.I.M.M., A.I.C. (11).

Music

Allen, Sir H. P., Mus.D., M.A. Ox., F.R.C.M. (20).
Bridge, J. C., M.A., Mus.D. Ox., Mus.D. Durh. (21).
Buck, P. C., M.A., Mus.Doc. Ox., M.A. Dub. Prof. (20).
Carse, A., F.R.A.M. (19).
Colles, H. C., M.A., B.Mus. Ox. (20).
Dale, B. J., F.R.A.M., F.R.C.O. (19).
Dunhill, T. F., A.R.C.M. (20).
Dyson, G., Mus.Doc. Ox. (20).
Farjeon, H., F.R.A.M. (19).
Greenish, A. J., Mus.D. Camb. (19).
Harrison, J. H. G. (19).
Hinton, A., F.R.A.M. (19).
Horner, E. F., D.Mus. Durh., F.R.C.O. (21).
Kitson, C. H., M.A. Camb., Mus.Doc. Ox., F.R.C.O. (20).
McEwen, J. B., M.A. Glas., F.R.A.M. (19).
Macpherson, C., D.Mus. Durh., F.R.A.M., F.R.C.O. (19).
Macpherson, S., F.R.A.M. (19).
Morris, R. O., B.A. Ox. (20).
Oldroyd, G., D.Mus. (21).
Salsbury, Janet, Mus.D. Durh., L.R.A.M., F.R.C.O. (21).
Sowerbutts, J. A., B.Mus., F.R.C.O. (19).
Thatcher, R. S., M.A., Mus.Doc. Ox., F.R.C.O. (21).
Waddington, S. P. (20).
Wallace, W., M.D. Glas., F.R.A.M. (19).
Warriner, J., Mus.D. Dub. (also in *Pedag.* as applied to Music) (21).
Wetton, H. D., D.Mus. Durh., F.R.C.O. (2).
Wharton-Wells, H., B.Mus. Ox. and Durh., F.R.C.O., L.R.A.M. (also recognised in *Pedag.* as applied to Music) (11).

Pedagogy, v. Education and Music

Physics, v. also Maths.

Charlesworth, J., M.Sc. Manc. (8).
Clarke, F. C., B.Sc., A.M.I.E.E. (12).
Emsley, H. H. (App. P.) (7).
Evans, A. E., B.Sc. (2).
Humphry, R. H. (10).
Lownds, L., Ph.D. Berl., B.Sc. (11).
Marsh, S., B.Sc. Wales, Ph.D. Gött. (2).
Nicol, J., B.A. Camb., B.Sc. (8).
Oschwald, U. A., B.A. (11).
Owen, D., B.A. Camb., D.Sc. (10).
Polson, W., M.A., B.Sc. Aberd. (12).
Skinner, S., M.A. Camb. (11).
Starling, S. G., B.Sc., A.R.C.S., A.I.E.E. (12).
Tarrant, A. G., B.Sc., A.R.C.S. (11).
Vinycomb, T. B., M.A. R.U.I. (13).

Semitic Languages

Büchler, A., Ph.D. Leip. (6).
Daiches, S., Ph.D. Leip. (6).
Hirschfeld, H., Ph.D. Stras. (S. (Epig. and Hebrew and S.) (U., 6).
Marmorstein, A., Ph.D. Heid. (Bible and Rabbinics) (6).

Veterinary Hygiene

Wooldridge, G. H., F.R.V.S. (9).

Veterinary Pathology and Bacteriology

McFadyean, Sir John, LL.D., M.B., C.M., B.Sc. Edin., M.R.C.V.S. Prof. (9).

Zoology

Leigh-Sharpe, W. H., B.Sc. (11).

GENERAL INFORMATION

[(*a*) Principal. (*b*) Subjects in which recognized. (*c*) Number of students.]

1. UNIVERSITY OF LONDON, GOLDSMITHS' COLLEGE, New Cross, S.E.14. Incorporated in the Univ. Warden, and Principal of the Training Dept.—T. Raymont, M.A. Vice-P'pals. of Training Dept.—F. H. C. Brock, M.A., and Miss C. C. Graveson, B.A.

Opened in 1905 in buildings presented by the Goldsmiths' Company, whose "Technical and Recreative Institute" had been carried on therein since 1891. Open to both sexes. Recognized Teachers—9 (v. *supra*)—Art, Classics, Educn., Engl., Hist., Maths.; others—63.

Training Department. Recognized by Bd. of Educn. as a Training Coll. (Elem.). Ordinary course—2 yrs., or for B.A. (Pass) or B.Sc. (General) degree —3 yrs. Lectrs. and Instrs.—32. *Annual fee* for tuition with mid-day meal: £21: 10s. Hostels provide accommodation for nearly all the women and many men students.

School of Art (Day and Evening). Headmaster and 8 Assts. *Fees*: Day, £5 to £15; Evening, 10s. to 30s., per session.

Engineering and Building Dept. (Evening). Carried on at expense of L.C.C. and only temporarily retained at the Coll. Courses: College Certif. and Diploma; National Certificate; C.G.I. examns.; Engineering Degree (5 yrs.).

2. BATTERSEA POLYTECHNIC, Battersea Park Rd., S.W.11. (*a*) R. H. Pickard, D.Sc., F.R.S. (*b*) Chem., Engin. (Civ., Elec., Mech.), Maths., Music, Physics. (*c*) 2997.

4. CITY OF LONDON COLLEGE, White St., Moorfields, E.C.2. Director —J. W. Ramsbottom, M.A., M.Com. (*b*) Law (Comml. and Merc.). (*c*) Day, 277; Evg., 2038.

6. JEWS' COLLEGE, Queen Sq. House, Guilford St., W.C.1. (*a*) A. Büchler, Ph.D. (*b*) Hebrew, Semitics. (*c*) 31.

7. NORTHAMPTON POLYTECHNIC INSTITUTE, St. John St., E.C.1. (*a*) S. C. Laws, M.A., M.Sc. (*b*) Engin. (Civil, Mech., Elec.), Physics, Chem., Maths. (*c*) 2469.

8. NORTHERN POLYTECHNIC, Holloway Rd., N.7. (*a*) R. S. Clay, D.Sc., B.A. (*b*) Bot., Chem., Geol., Maths., Physics. (*c*) 3249.

9. ROYAL VETERINARY COLLEGE, Gt. College St., Camden Town, N.W.1. (*a*) Sir John McFadyean, M.B., C.M., B.Sc., LL.D., M.R.C.V.S. (*b*) Biol., Chem., Vet. Anat., Vet. Hyg., Vet. Path. and Bact., Physiol. (*c*) 124.

10. SIR JOHN CASS TECHNICAL INSTITUTE, Jewry St., Aldgate, E.C.3. (*a*) G. Patchin, A.R.S.M., M.I.M.M. (*b*) Chem., Maths., Physics. (*c*) 973.

11. CHELSEA POLYTECHNIC, Manresa Rd., Chelsea, S.W.3. (*a*) S. Skinner, M.A. (*b*) Bot., Chem., Geol., Maths., Metall., Music, Physics, Zool. (*c*) Day, 785; Evg., 1962.

12. WEST HAM MUNICIPAL COLLEGE, Romford Rd., West Ham, E.15. (*a*) T. C. Baillie, M.A., D.Sc. (*b*) Chem., Engin. (Elec., Mech.), Maths., Physics, Surveying. (*c*) Day, 326; Evg., 1545.

13. WOOLWICH POLYTECHNIC, William St., Woolwich, S.E.18. (*a*) A. F. Hogg, M.A., F.C.S. (*b*) Chem., Engin. (E., M.), Maths., Phys. (*c*) 1073.

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Leech, E. B., M.D. Camb., F.R.C.P. Lectr. (Pharmacol. & Therap.)

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Burgess, A. H., M.B., M.Sc., F.R.C.S. Prof.

(C.) = Clinical Lectr.

Roberts, C., M.B., B.S. Lond., F.R.C.S. Lectr. and Asst.
Buckley, J. P., M.A., M.D. Camb., M.S. Lond., F.R.C.S. Lectr.
Rayner, H. H., M.B., Ch.B., F.R.C.S. Lectr.

Surgery, Practical
Roberts, C., M.B., B.S. Lond., F.R.C.S. Lectr.

Surgery, Systematic
Telford, E. D., M.A., B.C. Camb., F.R.C.S. Prof.
Hey, W. H., M.B., Ch.B., F.R.C.S. Lectr. and Asst.

Surgical Pathology Reader.
Ray, J. H., M.B., Ch.M., F.R.C.S.
Wrigley, P. R., F.R.C.S. Lectr.
Wright, G., M.B., Ch.B. Edin., F.R.C.S. Lectr.

Therapeutics, v. Mat. Med.

Tuberculosis
Sutherland, D. P., M.B., B.S. Lond. Hon. (C.).

Vaccination
Chisholm, Catherine, B.A., M.D. Lectr.

Venereal Diseases
Macalpine, J. B., M.B., Ch.B., F.R.C.S. Instr. (C.).
Reid, W. J. S., M.A., M.D. Aberd. Instr. (C.).
Whitehead, Gordon, M.B., Ch.B. Instr. (C.).
Wilson, A., F.R.C.S. Instr. (C.).
Gibson, R., M.D., Ch.B. Edin. Instr. (C.).

Dentistry, v. also Med., Clin.

Lectrs.:
Hutchinson, A. C. W., B.D.S., L.D.S. (Mechanics and Prosthetics).
Houghton, E., L.D.S. Eng. (Operative Surgery).
Headridge, D., L.D.S. Eng. (Anatomy and Physiology).
Thompson, Prof. (v. Met.).
Hughes, T. Martin, M.R.C.S., L.R.C.P., L.D.S. Eng. (Orthodontics).
Simms, H., L.D.S. Eng., M.D. (Path. and Surg.).
Wild, Prof. (v. Med., Mat. Med.).
Rawsthorne, F., L.D.S. (Mat. Med.).
Dunn, Prof. (v. Path.) (Bacteriology).
Gibson, S. K., L.D.S. (Histol.) Demr.

Bacteriology and Preventive Medicine (v. also Path.)

Topley, W. W. C., M.A., M.D. Camb., M.Sc., F.R.C.P. (Prof. of B. and Dir. of P.H. Lab.) Prof.
Sidebotham, E. J., M.A., M.B. Camb. Hon. Lectr. in P.H.
Sellers, A., M.D. Edin., D.P.H. Hon. Research Asst.
Nutt, Muriel M., M.A. Camb. Demr. in Bact.
Heap, H., M.Sc. (San. and Bact. Chem.) Lectr.
Wilson, G. S., M.D., B.S., D.P.H. Lectr. (Bact.).
Lovell, R., M.R.C.V.S., D.V.S.M. Demr. in Bact.
Bardsley, Doris A., M.Sc. Research Asst.

Factory Hygiene
Legge, Sir Thomas, M.A., M.D. Ox., D.P.H. Camb. Lectr.

Public Health Administration
Butterworth, J. J., M.D., D.P.H. Lectr. in Hygiene and A
Brindley, A. E., M.D. Lond., B.Sc., D.P.H. Lectr.

Sanitary Engineering, see under Technology

(C.) = Clinical Lectr.

School Hygiene [Lectr.
Young, M., M.D. Edin., D.P.H.

Vet. Hygiene
Woods, W., F.R.C.V.S. Lectr.

Vital Statistics
Scholefield, E. H., M.B., Ch.B. Ox., D.P.H. Lectr.

Technology

Jones, B. Mouat, D.S.O., M.A. Ox., Principal of the College of Tech. and Dean of the Faculty.

Architecture and Building, v. *supra*

Chemistry, Applied
Pyman, F. L., Ph.D. Basle, D.Sc., F.I.C., F.R.S. Prof. of Technol. C.

Lectrs. :
Howell, O. R., B.Sc., Ph.D. Wales, Ph.D. Camb.
McCulloch, Andrew, A.I.C. (Fuels).
Walker, T. K., M.Sc., Ph.D., F.I.C. (Fermentation).
Radcliffe, L. G., M.Sc.Tech., F.I.C.
Wood, J. K., D.Sc., F.I.C. (Physical C.).
Cardwell, David, M.Sc., B.Com. Spl. Lectr.

Asst. Lectrs. :
Hibbert, Eva, M.Sc.Tech.
Craven, May B., M.Sc.Tech.
Hancock, A., M.Sc. Tech., F.I.C.
Chadwick, Marion, M.Sc. Tech.
Hepburn, G. G., B.Sc. St. And., Ph.D. Basle Spl. Demr.
5 Demrs.

Dyeing, Bleaching, and Printing and Paper Manuf.
Scholefield, Fred, B.Sc. Leeds and Lond., M.Sc., F.I.C. Lectr.
Mason, F. A., M.A. Ox., Ph.D. Mun. Lectr. (Tinc. Chem.).

Engineering, Electrical
Walker, Miles, M.A. Camb., D.Sc. Lond. Prof.

Lectrs. :
Langton, J. L., M.Sc.
Moore, A. E., M.Sc.Tech.
Clayton, A. E., D.Sc. (Eng.) Lond., A.M.I.E.E.

Asst. Lectrs.:
Glynne, A., M.A. Camb.
Shelley, H. J., B.Sc.
Thomsett, B., B.Sc. Lond.
1 Demr.

Engineering, Mechanical
Smith, Dempster, M.B.E., M Sc. Tech. Prof.

Lectrs. :
Popplewell, W. C., M.Sc.
Petrie, P. T., M.Sc. Leeds.
Boswall, R. O., B.Sc.Eng. Lond., M.Sc.Tech., A.F.R.Ae.S.
Anderson, R. M., A.R.T.C. Glas., M.Sc.Tech.
Threlfall, H., M.Sc.Tech. F.R.C.S.I.
Ferguson, R. M., M.Sc.

Asst. Lectrs. & Demrs. :
Brierley, J. C., M.Sc. Tech. (Eng. Drawing)
Edmondson, A. R., M.Sc.
Bevan, T., M.Sc.Tech.
Carrington, H., B.Sc., M.Sc.Tech.
Oakden, J. C., M.A. Camb.

Engineering, Sanitary
Coleman, G. S., D.Sc. (Eng.) Lond. Lectr.
Flood, G. M., B.Sc. (Eng.) Cape Town, A.M.I.Struct.E., A.M.Inst.M. and Cy.E., M.R.San.I. Lectr.
Chadwick, A. S., M.R.San.I. Asst. Lectr.

Languages (Modern)
Grundy, W. H. R., B.A. Lectr

Mathematics
Prescott, J., M.A., D.Sc. Lectr.
Bowman, F., M.A. Camb. Lectr.

Asst. Lectrs. :
Lowry, H. V., B.A. Camb.
Barratt, W. S., A.R.C.S.I., A.I.C.
Tilsley, H., B.Sc. (Eng.) Lond.

Metallurgy & Assaying
Rhead, E. L., M.Sc.Tech., F.I.C., M.Am.I.M.E. Lectr.
Mohn, G., M.Sc.Tech. Demr.

Physics
Palmer, L. S., M.Sc., Ph.D. Bris. Lectr.
Adamson, A., M.Sc.Tech., A.R.C.S. Lectr.
Mercer, H. N., M.A. Tor., Ph.D. Lond. Asst. Lectr.
Anderson, W., B.Sc. Glas. ,, ,,

Printing and Photographic Tech.
Gamble, C. W., O.B.E., M.Sc.Tech. Lectr.

Textile Manufacture
Morton, W. E., M.Sc. Tech. Prof.
Winterbottom, J., M.Sc.Tech. (Spinning) Lectr.
Cadness, H. Spl. Lectr. (Design).
Hanton, W. A., M.Sc.Tech. (T. Engin.) Lectr.
Booth, J. H., B.Com. Spl. Lectr. (Yarn and Cloth Markets).
Dust, Emily R. (Design) Lectr.

Asst. Lectrs. :
Essam, J., B.Sc. Tech. (Tex. Ind.)
Bennett, G. A., B.Sc. Tech. (Weaving)
1 Demr.

Extra-Mural Department
Director of Extra-Mural Studies—H. P. Turner, M.A., LL.M.

ASSOCIATED COLLEGES

THE COLLEGE OF TECHNOLOGY originated in the Mechanics' Institution, founded in 1824, and developed between 1879 and 1912 under the direction of J. H. Reynolds as the Technical School (1883) and Municipal School of Technology (1901). In 1903 were completed, with the help of benefactions from the estate of Sir Joseph Whitworth, buildings covering 7300 sq. yards in the centre of the city and worth with their equipment £400,000. It became connected with the Univ. of Manchester in 1905 through the constitution of a Faculty of Technology, the greater part of the work of which is conducted in the College, whose Principal is Dean of the Faculty. The work of the College includes advanced study and research in the subjects specified in the above list of Professors and Lecturers and hydraulic experimental work, motor-car engineering, and india-rubber technology.

COLLEGES recognized for External Lectures in Theology :

BAPTIST COLLEGE, EGERTON HALL, HARTLEY PRIMITIVE METHODIST COLLEGE, MORAVIAN COLLEGE, Fairfield, UNITARIAN COLLEGE, and UNITED METHODIST COLLEGE at Manchester ; LANCASHIRE INDEPENDENT COLLEGE, Whalley Range ; WESLEYAN COLLEGE, Didsbury.

Recognized for instruction in Maths., Physics, Chem., and Biol. up to Interm. standard for B.Sc. and B.Sc.Tech. : the HARRIS INSTITUTE, Preston.

For third year of B.Sc.Tech. course in Mining : the CAMBORNE SCHOOL OF METALLIFEROUS MINING.

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 Vict. 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 Coll. with the Univ. was passed. The Univ. Press was established in 1902.

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, arranged in two quadrangles, and erected from time to time during the past 50 years, are situate in the city. The athletic ground (30 acres) is at Fallowfield, about 1½ miles distant.

LIBRARIES. The main (Christie) library (over 205,000) includes the private collections of Profs. Freeman and Stanley Jevons 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 (47,000) are housed in the Medical School, and are available for students. The John Rylands (310,000) includes the Althorp Library and the Crawford collection of MSS. It contains one of the most important collections of early printed books in existence. The ancient Chetham Library (100,000) has valuable mediæval MSS. and printed books of seventeenth and eighteenth centuries and a collection of volumes dealing with local history. The Municipal Reference Library (200,000) is valuable for more recent books and periodicals, and in connexion with it a Technical and Science Library (40,000) has recently been formed.

LABORATORIES, ETC. Ample equipment for advanced study and research in all departments; special provision for Electro-Technics, Economic Zoology (including Agric. Entom.) and Botany, Radio-activity, Ionization of Gases, Colloids, and Cancer. The Fielden School is organized mainly for demonstration, training, and research in Educn. The Manchester *Museum*, forming part of the Univ. buildings, and containing among other special depts. the Flinders Petrie Egyptol. Collection, is utilized for Univ. teaching in Zool., Bot., and Geol.; it is also used for systematic instruction of Elem. school children. Available for clinical instruction are 4 general *Hospitals*, 1 Dental and 7 other special hospls., including the Christie Cancer Pavilion. The Howard Estate *Observatory* in the Peak District is for investigation of the Upper Atmosphere.

FACULTIES. (1) Arts [including School of Architecture]; (2) Science; (3) Law; (4) Medicine [including Departments of Dental Science, Pharmaceutics, and Bacteriology and Preventive Medicine and Pub. Health]; (5) Music; (6) Commerce and Administration; (7) Theology; (8) Technology (provided by the Municipal College of Technology); (9) Education [training for work in Secondary, Elementary, and Day Continuation Schools, in Schools for the Deaf, and with Young Children]. Deans of Faculties: (1) Prof. Charlton (English); (2) Prof. Gibson (Engineering); (3) Prof. Oldfield; (4) Prof. Stopford (Anatomy); (5) Dr. J. K. Pyne; (6) Prof. Daniels; (7) Dr. H. M'Lachlan; (8) Principal Mouat-Jones; (9) Rev. Dr. S. Frank Jackson.

MATRICULATION. See Appendix XXI.

INDIAN STUDENTS. Adviser, J. K. Wood, D.Sc. Applications from Indian students for registration should be received, with references as to character and

educational qualifications, as soon as possible after May 1 and not later than July 20.

DEGREE COURSES. 3 yrs. (graduates of other approved Univs., 2 yrs.)—B.A., B.Sc., LL.B., Mus.B., B.Com., B.D. (after Interm. courses in Arts), B.Sc.Tech.; 5 yrs.—B.A (Hons. in Archit.), B.D.S.; 6 yrs.—M.B., Ch.B. The B.Com. course can be completed by attendance on evening lectures.

Honours students of modern foreign languages may be permitted to count attendance on approved courses during one term at a foreign Univ. as equivalent to attendance at Manc.

Minimum attendance in the Univ. for graduation—3 yrs. Minimum attendance for Bachelorship in 2 Faculties—5 yrs.

HIGHER DEGREES. Open to Bachelors of 1 yr. standing—M.A., M.Sc. (2 yrs. if graduates of other Faculties), Ch.M., M.D., M.D.S., M.Com., M.Sc.Tech.: 2 yrs.—LL.M., M.Ed.; 4 yrs.—D.Sc., LL.D., Mus.D., D.D. Open to Masters or Doctors of Philosophy of the Univ. only: Litt.D.

Open to graduates of other approved Univs. through research in Manc. during 2 (non-graduates 3) yrs.—M.A., M.Sc., LL.M., M.Com., M.Sc.Tech., M.Ed. (open only to graduates). Graduates of other approved Univs. of 4 yrs.' (D.D. 6 yrs.') standing who have obtained the degree of Master or one substantially equivalent thereto and spent 2 yrs. in study or research in Manc. may qualify for the D.Sc., LL.D., D.D.

The Ph.D. differs from the Litt.D. and D.Sc. in requiring a definite course of study, and is of a lower standard, though higher than the M.A., M.Sc., and M.Sc.Tech. (v. p. 18).

DIPLOMAS. Geog. (grads.), 1 yr. course; D.V.S.M., open to M.R.C.V.S. only, 12 mos.; Psych. Med. 1 yr., including 2 terms at the Univ.; D.P.H. 1 yr.; Teacher's (grads.), 1 yr.; L.D.S., 4 yrs.; Dp. Bact. (1 yr. post-grad.).

CERTIFICATES. Engin., 3 yrs.' course; Applied Chem., 3 yrs.; Archit., 3 yrs.; Mining; Factory or School Hygiene (subsequent to obtaining D.P.H.); Higher Commercial, 2 yrs. (grads. 1 yr.); Theol., 3 yrs.; Biblical Knowledge, 1 yr.; Tech. (Assoc. Coll. Tech.), 3 yrs.; Tech. (Distinction), 1 yr. after Cert. in Tech.; Photog. Tech., 2 yrs. Candidates for certificates are required, before entering on the course, to pass or obtain exemption from an entrance examn.

Certif. in Mining and the B.Sc.Tech. in Mining are accepted by Govt. in lieu of 2 out of 5 yrs.' practical experience for Mine Manager's Certif.

SPECIAL COURSES on Tuberculosis for Med. and Vet. practrs.

SCHOLARSHIPS, ETC., FOR GRADUATES. A considerable number are offered every year by the Univ., most of them reserved for its own graduates, but some—in Anatomy, £150; Chemistry, £100; Economics, £90; Engineering, two of £200 each; Diseases of Children, £100; History, £50; Physics, £175; Physiology, £90; Prev. Med., £300—are open to foreign students; others—in Cotton Industry, £80; History, £50—are open to British subjects who have graduated at other Univs. Honorary Research Fellowships and Research Studentships, entitling the holders to the use of facilities for research either free or at greatly reduced fees, are also awarded.

FEES. Matricn., £2. Tuition, per session, including Students' Union and Athletic Union fees: for B.A. course, 30 gs. (Hons. in Archit., first 3 yrs. 41 gs. per session, 4th and 5th yrs. 28 gs. per session); B.Sc., 30 to 45 gs.; M.B., Ch.B. (5 sessions), 150 gs., *plus* Hospl. fees ,77 gs.; LL.B. (3 sessions), 40 gs.; B.D., about 15 gs. (*plus* Registration fee of 3 gs. per session); B.Com., 20 gs.

to 24 gs.; Mus.B., about 20 gs.; B.D.S., 94½ gs., *plus* Hospl. fees, 175 gs.; L.D.S., 84½ gs., *plus* Hospl. fees, 135 gs.; B.Sc. Tech., £40-£60; Teacher's Dipl., £35. Examn. fees: Med., 32 gs., others (Interm. and Final) for first degrees about 6 gs. (B.Sc., 4 to 5 gs.). Graduation fees, 8 gs. (Doctorate 5 gs., except M.D., 9 gs., Mus.D., 8 gs., Ph.D. £5).

Research fees, 7 to 10 gs. per session in Arts, Commerce, and Law; Educn., 4 gs.; higher fees for other science students.

HOSTELS. For men: Hulme Hall (Warden), £60 to £100 (*for 25 weeks*); Dalton Hall (Principal), £108 (for 31 weeks); St. Anselm's Hall (Warden), £70 (for 31 weeks); Lancashire Independent College (Principal), £87. For women (122): Ashburne Hall (Warden), 64 to 70 gs.; Lees Hall (Warden) (both under Ashburne Hall Delegacy); Langdale Hall (Warden), chiefly for women training students, whose fees are £32 : 13 : 4, private students £70; Ellis Llwyd Jones Hall (Warden), special hostel for students in training as teachers of the deaf, £70; St. Gabriel's Hall (Warden) (for Catholic women students), £55 to £65.

All PAST AND PRESENT MEMBERS of the Univ. are eligible for membership of the "Old Owensian Assocn.," which publishes periodically a register of members with occupations and addresses and a *Journal* (twice a year).

ADULT EDUCATION. The Committee for the organization of the Extra-mural work of the Univ. and the Joint Committee for Tutorial Classes are responsible for the provision of facilities for Adult Education at the Univ. itself, and at other Centres. Public Lectures, Univ. Extension Courses, Tutorial Classes for Workpeople, and other Classes for adult students are arranged, and Tutors and Lecturers are appointed.

PUBLICATIONS. (1) *Periodical: Calendar* (Sept.), 3s.; *Prospectus of Advanced Studies*; *Examn. Papers*, 6d. to 1s. 6d. a set, by Faculties; *The French Quarterly*, 3s.; *Bulletin of John Rylands Library*; *Technology* (pub. at Coll. of Tech.); *Journal of Manc. Egyptian and Orient. Soc.*; Pubns. of Chetham Society, Manchester; Pubns. of Brit. Soc. of Franciscan Studies. Students' Pubns.: *The Serpent* (magazine), *The Circle* (Literary), *Science Fed. Journal, Medical School Gazette.* Departmental Prospectuses (April-May). (2) *The Victoria University of Manchester*; a short historical and descriptive account. The Univ. Press, 1926.

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. Cornish. Manchester, J. E. Cornish, 1900.

THE YEAR 1925–26

DEATHS. Emeritus Profs. E. S. Reynolds and J. W. Smith; Profs. W. Myers, E. Knecht, and E. H. Parker; C. B. Dewhurst. RESIGNATION: Sir Henry A. Miers.

BENEFACTIONS. Miss Ann Russell bequest, £1000 for scholarship in Medicine; Lewis Atkinson bequest, £2200 for scholarships in Commerce and Electrical Engineering; Miss Annie Barlow, £540 for gates of Ashburne Hall; Hartley Withers, £100 for memorial prize; Brunner, Mond & Co., Ltd., contributions to Depts. of Physics, Metallurgy, and Chemistry; D. R. Kyd bequest, £100 for prize in Classics; National Assocn. for Oral Instruction of the Deaf, two scholarships annually for men students to be trained as teachers of the deaf; Albion Motor-Car Co., an internal combustion engine. Govt.

grant was increased by £13,000; County of Lancashire announced intention to increase its grant from £2000 to £4000, and to make special grant of £500 for extra-mural services; Cassel Trustees increased annual grant for Spanish, from £250 to £300. The Ministry of Agriculture made a grant not exceeding £1250 p.a. in aid of Advisory Dept. in Agr. Economics. Students' "Rag" collections for Hospitals, £11,000, including £4000 from sales of magazine—the *Rag Rag*.

NEW POST. Lectureship in Public Administration.

NEW BUILDINGS. Extension of Refectory was planned. A new wing was added to St. Anselm's Hall. Museum extension nearly completed.

ORGANIZATION OF STUDIES AND RESEARCH. Courses in School of Geography were re-graded, so that it will be possible for students to study Geography throughout their 3-years' course for the ordinary B.A. Arrangements were made for post-graduation courses in Medicine. Accommodation for research work was placed at the disposal of the Manchester Cancer Research Committee. In connexion with the establishment of continuous and systematic courses in Public Administration (for which a new lectureship was created) a certificate in this subject was instituted, and it was ordained that a candidate for the B.Com. should be allowed to specialize in it.

VISITS TO THE UNIV. Mayors of Burnley and Rochdale; 90 students and teachers from S. Africa; Chemical Society (Annual Meeting); Sir Wm. Vincent of the India Office and W. H. Bradford of the Inland Revenue gave addresses on careers in the I.C.S. and Inland Rev. Office respectively; debating team from Michigan Univ.

INTERCHANGE OF TEACHERS AND VISITS OF MEMBERS OF STAFF TO OTHER COUNTRIES. From Strasbourg Prof. Vermeil and from Poitiers Prof. Plattard lectured in the French Dept. and to the public. Prof. Charlton lectured in France and Holland. Prof. Clay served as Advisory Economist on a Commission in S. Africa. Prof. Calder continued archæological investigation in Asia Minor.

STUDENTS. Full-time: total, 1108 men, 640 women; in Arts and Pure Science, graduate students 81 m. 16 w.; preparing for 1st degree 354 m. 449 w., others 3 m.; Medicine, grad. 3 m., degree students 192 m. 53 w., others 148 m. 19 w.; Law, degree 38 m. 3 w.; Music, degree 6 m. 2 w.; Commerce, grad. 2 m. 2 w., degree 113 m. 20 w.; others 3 m. 1 w.; Engineering and Metallurgy, degree 100 m., others 1 m.; Education, 64 m. 75 w. Residing in hostels, 145 m. 224 w. Students from abroad: India 22, other parts of Empire 10, Egypt 16, other countries 14.

Part-time: Total, 304 m. 62 w.; Arts, etc., grad. 34 m. 6 w., occasional 27 m. 12 w.; Med., grad. 3 m., degree 65 m. 17 w., diploma 57 m. 8 w., occasional 4 m. 1 w.; Commerce, degree 25 m. 1 w., occasional 4 m.; Theology, grad. 1 m., degree 20 m., dipl. 8 m. 1 w., occasional 5 m. 1 w.; Law, grad. 1 m., occasional 32 m. 2 w.; Education, grad. 18 m. 11 w., occasional 2 w.

Extra-mural: 3-year tutorial classes, 446 m. 271 w.; vacation course, 97 m. 36 w.; preparatory classes, 50 m. 33 w.; Adv. tutorial, 8 m. 5 w.; other, 15 m. 31 w.

Degrees obtained: B.A. 27 m. 111 w., B.Sc. 95 m. 47 w., LL.B. 6 m. 1 w., Mus.B. 1 m., B.Com. 27 m. 6 w., D.Sc. 6 m., Ph.D. 17 m. 1 w., M.A. 9 m. 6 w., M.Sc. 31 m. 5 w., M.B., Ch.B. 43 m. 17 w., B.D. 4 m., M.Ed. 2 m., M.D. 2 w., B.D.S. 1 m. 1 w.

UNIVERSITY OF OXFORD

CHANCELLOR—Right Hon. GEORGE, VISCOUNT CAVE, D.C.L., Hon. Fellow of St. John's College.

HIGH STEWARD—Right Hon. the EARL OF BIRKENHEAD, B.C.L., M.A., Hon. D.C.L. Merton and Wadham Colleges.

VICE-CHANCELLOR—F. W. PEMBER, D.C.L., Warden of All Souls.

PROCTORS—K. N. BELL, M.A. Balliol; T. W. CHAUNDY, M.A. Christ Church.

REPRESENTATIVES IN PARLIAMENT (BURGESSES OF THE UNIVERSITY)—LORD HUGH R. H. CECIL, M.A., Hon. D.C.L. Hertford; Sir CHAS. W. C. OMAN, M.A., Hon. D.C.L. All Souls.

ASSESSOR OF THE CHANCELLOR'S COURT—A. E. W. HAZEL, B.C.L., M.A., Principal of Jesus.

PUBLIC ORATOR—A. B. POYNTON, M.A. Univ.

BODLEY'S LIBRARIAN—A. E. COWLEY, M.A., D.Litt. Magdalen.

KEEPER OF THE ARCHIVES—R. L. POOLE, M.A. Magdalen.

REGISTRAR—E. S. CRAIG, M.A. Magdalen.

SECRETARY OF FACULTIES—H. M. MARGOLIOUTH, M.A. Oriel.

ASSISTANT REGISTRAR—STANLEY CALDWELL, M.A. Wadham.

COLLEGES

ALL SOULS COLLEGE	*Warden*	F. W. PEMBER, D.C.L.
BALLIOL ,,	*Master*	A. D. LINDSAY, C.B.E., M.A.
BRASENOSE ,,	*Principal*	C. H. SAMPSON, M.A.
CHRIST CHURCH	*Dean*	H. J. WHITE, D.D.
CORPUS CHRISTI COLLEGE	*President*	P. S. ALLEN, M.A., D.Litt.
EXETER ,,	*Rector*	L. R. FARNELL, M.A., D.Litt.
HERTFORD ,,	*Principal*	Sir WALTER R. BUCHANAN-RIDDELL, Bart., M.A.
JESUS ,,	,,	A. E. W. HAZEL, B.C.L., M.A.
LINCOLN ,,	*Rector*	J. A. R. MUNRO, M.A.
MAGDALEN ,,	*President*	Sir H. WARREN, K.C.V.O., M.A., Hon. D.C.L.
MERTON ,,	*Warden*	T. BOWMAN, M.A.
NEW ,,	,,	Rt. Hon. H. A. L. FISHER, M.A.

ORIEL COLLEGE	*Provost*	L. R. PHELPS, M.A., Hon. D.C.L.
PEMBROKE ,,	*Master*	F. HOMES DUDDEN, D.D.
QUEEN'S ,,	*Provost*	J. R. MAGRATH, D.D.
ST. JOHN'S ,,	*President*	H. A. JAMES, C.H., D.D.
TRINITY ,,	,,	H. E. D. BLAKISTON, D.D.
UNIVERSITY ,,	*Master*	Sir MICHAEL E. SADLER, K.C.S.I., C.B., M.A.
WADHAM ,,	*Warden*	J. WELLS, M.A., Hon. D.C.L.
WORCESTER ,,	*Provost*	F. J. LYS, M.A.
ST. EDMUND HALL	*Principal*	G. B. ALLEN, D.D.
KEBLE COLLEGE (New Foundation)	*Warden*	B. J. KIDD, D.D.

Censor of Non-Collegiate Students—J. B. BAKER, M.A.

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ST. BENET'S HALL	,, ,,	Rev. P. J. MCCANN, M.A.

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Wagstaffe, W. W., B.M., M.A. New Asst.

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• Rawlinson and Bosworth Prof.

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Buxton, L. H. D., M.A. Exe. Lectr.

Anthropology, Social
Marett, R. R., M.A., D.Sc. Exe. Reader.

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Art [Slade Prof.
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Radcliffe Observer.
Bellamy, F. A., Hon. M.A.
First Asst.
Bellamy, Ethel F. Asst.
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Reader in Ancient Ast. and Chronology.
Hughes, J. S., M.A. New Coll.
Seismol. Asst.

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Whitley, E., M.A. Trin. Demr.
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Lectr.

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Cole, G. D. H., M.A. Univ.
Reader.

Education [Dir. of Training.
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Reader.
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Embryology, v. Zool.

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Waters, E. G. R., M.A. Keb. Reader.
Ewert, A., M.A. St. J. Lectr.

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Kirkaldy, J. W., M.A. Som.
Buxton, L. H. D., M.A. Exeter (v. Anthrop.).

Geology
Sollas, W. J., M.A. Univ. Prof.
Douglas, J. A., M.A., D.Sc. Keb. Demr.
Button, G. T., M.A. New Coll. Demr.
Bayzand, C. J., M.A. Non-Coll. Demr.

Geometry [Savilian Prof.
Hardy, G. H., M.A. New Coll.

German [Taylorian Prof.
Fiedler, H. G., M.V.O., M.A. Qu. (G. Lang. and Lit.)
Montgomery, M., B.Litt., M.A. Linc. Taylorian Lectr.

* Imperial Forestry Institute.

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Hebrew, v. Orient.

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Bell, Kenneth N., M.A. Ball. Beit Lectr.

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Cruttwell, C. R. M. F., M.A. Hert. Lectr. in Mod. European H.

Italian
Foligno, C., M.A. Magd. Serena Prof.
Del Re, A., M.A. Ball. Lectr.

Law, v. *infra*

Literature, Modern European
Bailey, J., M.A. New Coll. Taylorian Annual Lectr., 1926.

Logic [Wykeham Prof.
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Mathematics, Pure
Dixon, A. L., M.A. Magd. Waynflete Prof.

Mathematics, Applied [Lectr.
Pidduck, F. B., M.A., D.Sc. C.C.C.

Medicine, v. *infra*

Meteorology, v. Philosophy Expl.

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Barker, T. V. (v. Crystal.) Demr.
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Stewart, H. C., M.A., D.Mus. Magd. Choragus (Asst. to Prof.).

Oriental Languages, v. *infra*

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Papyrology
Hunt, A. S., M.A., D.Litt. Qu. Prof.

Philology, Comparative [Prof.
Braunholtz, G. E. K., M.A. Worc.

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Dobson, G. M. B., M.A., D.Sc. Linc. Lectr. (*Meteorology*) and Demr.
King, E. B., M.A. Ch. Ch. Demr.

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Brown, Wm., D.M. Ch. Ch. Wilde Reader.

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Herbert Spencer Lectr. (1927).

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White's Prof.
Ross, W. D., M.A. Or. Depy. Prof.

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Love, A. E. H., M.A., D.Sc. Qu.
Sedleian Prof.

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Townsend, J. S. E., M.A. New
Wykeham Prof.
Lattey, R. T., B.Sc., M.A. Trin.
Demr.
Gill, E. W. B., B.Sc., M.A. Mert.
Demr.
Morrell, J. H., M.A. Magd. Demr.
Biggs, H. F., M.A. Trin. Demr.
Focken, C. M. (B.Sc. Melbourne)
Linc. Demr.
Huxley, L. G. H., B.A. New Coll.

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Sherrington, Sir Charles S., O.M., G.B.E., M.A., Hon. D.Sc. Magd. Waynflete Prof.

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Douglas, C. G., B.Sc., D.M. St. J.
Liddell, E. G. T., B.M., M.A. Trin.
Carleton, H. M., B.Sc., M.A., D.Phil. New Coll.
Haynes, F., M.A. Non-Coll.
Cooper, Sybil (Ph.D. Camb.), St. Hild.
Creed, R. S., B.M., M.A. New Coll.

Poetry
Garrod, Heathcote W., C.B.E., M.A. Mert. Prof.

Political Econ.
Macgregor, D. H., M.A. All S.
Drummond Prof.
Lipson, E., M.A., New Coll. (Ec. Hist.) Reader.

Political Theory and Institns.
Adams, W. G. S., M.A. All S.
Gladstone Prof.

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Shebbeare, C. J., M.A. Ch. Ch.
Wilde Lectr. (Nat. & Comp. R.).

Romance Lang.
..... Taylorian Prof.

Rural Economy, v. *infra*

Russian [Prof. and Reader.
Forbes, N., M.A. Ball.

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de Arteaga y Pereira, Don Fernando, M.A. Worc.
Prof. and Taylorian Lectr.
Kolkhorst, G. A., M.A. Exe. Lectr.

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Egerton, A. C. G., M.A. Ball.
Reader.

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Linacre Prof.
Poulton, E. B., M.A., D.Sc. Jes.
Hope Prof.
de Beer, G. R., B.Sc., M.A. Mert.
Jenkinson Lectr. in Comp. and Experimental *Embryology*.

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Elton, C. S., B.A. New Coll.
Tucker, B. W., B.A. Magd.

Law

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De Zulueta, F., D.C.L. All S.

Criminal, and Evidence
Stallybrass, W. T. S., M.A. B.N.C.
Lectr.

English
Holdsworth, W. S., K.C., D.C.L. All S. Vinerian Prof.

Hazel, A. E. W., C.B.E., B.C.L., M.A. Jes. All Souls Reader.

Indian
Woodroffe, Sir John G., B.C.L., M.A. Univ. Reader.

Internat., and Diplomacy
Brierly, J. L., B.C.L., M.A. All S. Chichele Prof.

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Cheshire, G. C., B.C.L., M.A. Exe. Lectr.

Jurisprudence [Corpus Prof.
Ashburner, W., D.C.L. Univ.

Roman [All Souls Reader.
Jolowicz, H. F., M.A.

Roman-Dutch [Rhodes Prof.
Lee, R. W., D.C.L. Ball.
(Reader at Inns of Court)

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

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Gibson, A. G., D.M. Ch. Ch. Lectr.

Clinical Physiology
Priestley, J. G., D.M. Ch. Ch. Christopher Welch Lectr.

Medicine
Garrod, Sir Archibald E., K.C.M.G., D.M. Ch. Ch. Reg. Prof.
Waters, W. A. P., D.M. (B.N.C.) Litchfield Lectr.

Ophthalmology
Adams, P. E. H., B.M., M.A. Exe. Margaret Ogilvie's Reader.

Pathology, v. also Anat. [Prof.
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Walker, E. W. A., D.Sc., D.M. Univ., *Dean of Med. Sch.* Lectr.
Vollum, R. L., D.Phil. Linc. Demr.

Pharmacology [Prof. & Reader.
Gunn, J. A., M.A. Ball.
MacKeith, M. H., D.M. Magd. Demr.
Franklin, K. J., B.M., M.A. Or. Demr.

Surgery [Litchfield Lectr.
Dodds-Parker, A. P. (v. Anat.)

Oriental Languages

Arabic
Margoliouth, D. S., M.A., D.Litt. New Laudian Prof.

Aramaic [Lectr.
Stenning, J. F., C.B., M.A. Wadh.

Assyriology [Shillito Reader.
Langdon, S., M.A. Jes. Prof. &

Bengali
Thompson, E. J., Hon. M.A. Lectr.

Burmese
Rigg, A. E., M.A. Corp. Lectr.

Chinese
Soothill, W. E., M.A. Trin. Prof.

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Griffith, F. Ll., M.A. Qu. Prof. and Reader.

Hebrew [Reg. Prof.
Cooke, G. A., D.D. Ch. Ch.
Loewe, H. M. J., M.A. Exe. (Rabbinic H.) Lectr.

Persian and Marathi
Seddon, C. N., Hon. M.A. Ball. Lectr.

Sanskrit
Thomas, F. W., M.A. Boden Prof.

Tamil and Telugu
Roberts, S. G. Lectr.

Urdu and Hindi
Dewhurst, R. P., M.A. Ball. Lectr.

Rural Economy

Watson, J. A. S., M.A. St. J. Sibthorpian Prof.
Peel, W. R., M.A. Ball. Lectr. in Agr.
Ellis, J. C. B., M.A. Jes. Lectr. (Physics & Chem.) and Demr.
Walford, A. S., B.A. Or. Demr.

Agr. Botany [Lectr.
Bancroft, Helen, D.Sc. Lond.

Agr. Chemistry [Reader.
Morison, C. G. T., M.A. Ball.
Clarke, G. R., B.A., B.Sc. Or.
Advisory Chemist.

Agr. Economics, v. also Farm
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Dir. of Research Institute.

Agr. History
Lennard, R. V., M.A. Wadh.
Lectr.

Agr. Law
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Exe. Lectr.

Economic Botany & Zoology, etc.
Cunliffe, N., M.A. Wadh.
Christopher Welch Lectr.
Woodward, R. C., B.Sc.
Advisory Mycologist.

Economics and History
Amery, G. D., M.A. B.N.C. Lectr.

Farm Acctcy. and Loc. Govt.
Orwin, C. S., M.A. Ball. (Dir. of Inst. for Research in Agr. Economics) Lectr.

Estate Management
Thring, D. T., Hon. M.A. Mert.
Lectr.

Theology

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Goudge, H. L., D.D. Ch. Ch.
Lock, W., D.D. Ch. Ch.
Lady Margaret Prof.

Eccles. History [Reg. Prof.
Watson, E. W., D.D. Ch. Ch.

Exegesis [Dean Ireland's Prof.
Turner, C. H., M.A. Magd.

Interpretation of Holy Script.
Simpson, D. C., D.D. Or.
Oriel Prof.

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Brightman, F. E., M.A. Magd.

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Philos. of Christian Religion
Webb, C. C. J., M.A. Oriel
Oriel Prof.

Septuagint [Grinfield Lectr.
Turner, C. H., M.A. Magd.

Romanes Lecturer

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Brand, Hon. R. H., M.A.
Craster, H. H. E., M.A., D.Litt.
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Archibald, J. G., M.A.
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Beckett, W. E., M.A.
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Radcliffe, C. J., B.A.
Headlam, Rt. Rev. A. C., D.D.
Hancock, W. K., B.A.
Swinton, Prof. Maj.-Gen. Sir Ernest D., K.B.E., C.B., D.S.O., M.A., *Dean.*
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Pares, R., B.A.
Foster, J. G., B.A.
Rowse, A. L., B.A.
Makins, R. M., B.A.
Rudler, Prof. G., M.A.
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Pickard-Cambridge, A. W., M.A., *Classical Tutor, Jowett Lectr.* (*Greek*), *Librarian.*
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Hartley, H. B., M.A., F.R.S., *Science Tutor, Bedford Lectr.* (*Physical Chem.*).
Bailey, C., M.A., *Classical Tutor.*
Gibbon, H. H., M.A., *Catechetical Lectr.*
Merton, T. R., M.A., D.Sc., F.R.S.
Bell, K. N., M.A., *Tutor* (*Mod. Hist.*).
Macgregor, D. C., M.A., *Classical Tutor.*
Ridley, M. R., M.A., *Tutor in Engl. Lit. and Tutor for Admissions.*
Nicholson, J. W., M.A., F.R.S., *Tutor* (*Maths. and Physics*).
Macmurray, J., M.A., *Classical Tutor, Jowett Lectr.* (*Philos.*).
Morris, C. R., M.A., *Classical Tutor.*
Orwin, C. S., M.A., *Estates Bursar.*
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Gunn, J. A., M.A., *Prof. of Pharmacology.*
Mynors, R. A. B., B.A., *Jr. Research Fellow.*

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Tylor, T. H., M.A., B.C.L., *Tutor* (*Jurispr.*).
Wolfenden, J. H., M.A., *Lectr.* (*Chem.*).
Brooke, H., B.A., *Tutor* (*Philos.*).

BRASENOSE COLLEGE. Founded 1509. Principal—C. H. Sampson, M.A.

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Stocker, W. N., M.A., *Lectr.*
Butler, A. J., M.A., D.Litt.
Wakeling, G. H., M.A., *Sr. Tutor.*
Wace, H. C., M.A., *Chaplain, Bursar, Senior Dean.*
Jenkinson, A. J., M.A., *Tutor, Librarian.*
Stallybrass, W. T. S., M.A., *Vice-Principal, Tutor.*
Jenkin, Prof. C. F., M.A.
Barker, T. V., M.A., D.Sc.
Holroyd, M., M.A., *Tutor.*
Jones, H. S., M.A., D.Litt., *Prof. of Anc. Hist.*
Griffith, I. O., M.A., *Tutor.*
Taylor, T. W. J., M.A., *Tutor.*
Jeffery, R. W., M.A., *Lectr.*
Platnauer, M., M.A., B.Litt., *Lectr.*

Other Lecturers :

Brett-Smith, H. F. B., M.A. (*Engl. Lit.*).
Franklin, K. J., B.M., M.A. (*Physiology*).
Jacobs, A. C., B.C.L. (*Law*).
Amery, G. D., M.A. (*Agric.*).

CHRIST CHURCH. Founded 1546. Dean—Very Rev. H. J. White, D.D.

Canons :
Ottley, R. L., D.D., *Prof. of Moral and Pastoral Theology.*
Watson, E. W., D.D., *Prof. of Eccl. Hist.*
Cooke, G. A., D.D., *Prof. of Hebrew.*
Lock, W., D.D., *Prof. of Divinity.*
Shaw, Rt. Rev. E. D., D.D.
Goudge, H. L., D.D., *Prof. of Divinity.*

Students (equivalent to Fellows) :
Payne-Smith, W. H., M.A.
Blunt, H. W., M.A., *Tutor, Librarian.*
Anderson, J. G. C., M.A., *Tutor.*
Slessor, Major A. K., M.A.
Murray, G. G. A., M.A., D.Litt., *Prof. of Greek.*
Dundas, R. H., M.A., *Tutor.*
Hutchinson, G. T., M.A.
Chaundy, T. W., M.A., *Tutor.*
Feiling, K. G., M.A., *Tutor.*
Rawlinson, A. E. J., D.D., *Tutor.*
Masterman, J. C., M.A., *Tutor.*
Barrington-Ward, J. G., M.A., *Tutor.*
Thomson, A., M.A., *Prof. of Anatomy.*
Garrod, Sir Archibald E., D.M., F.R.S., *Prof. of Med.*
Russell, A. S., M.A., *Tutor, Reader in Chem.*
Heaton, T. B., D.M., *Tutor, Reader in Anat.*
Lindemann, F. A., M.A., F.R.S., *Prof. of Exp. Philos.*
Taylor, F. A., M.A., *Tutor.*
Harrod, H. R. F., M.A.
Jacob, E. F., M.A., D.Phil.
Ryle, G., M.A.
King, E. B., M.A.

Reader in Physics :
Bosanquet, C. H., M.A.

Lecturers :
Morison, C. G. T., M.A.
Jupp, A. D., B.A.
Myres, J. N. L., B.A.

CORPUS CHRISTI COLLEGE. Founded 1516. President—P. S. Allen, M.A., D.Litt.

Fellows :
Plummer, C., M.A., *Vice-President.*
Schiller, F. C. S., M.A., D.Sc.
Grundy, G. B., M.A., D.Litt., *Tutor, Librarian.*
Phelps, W., M.A., *Tutor.*
Mowat, R. B., M.A., *Tutor.*
Stewart, J. A., M.A., *Prof. of Moral Philos.*
Clark, A. C., M.A., *Prof. of Latin.*
Pidduck, F. B., M.A., D.Sc., *Tutor.*
Poynton, J. B., M.A., *Tutor.*
Hardie, W. F. R., B.A., *Tutor.*

Other Lecturers :
Lightfoot, R. H., M.A. (*Theol.*).
Hammick, D. L., M.A. (*Nat. Sc.*).
Lawson, H., M.A. (*Jurispr.*).

EXETER COLLEGE. Founded 1314. Rector—L. R. Farnell, M.A., D.Litt., F.B.A.

Fellows :
Marett, R. R., M.A., D.Sc., *Lectr.* (*Philos.*).
Atkinson, C. T., M.A., *Lectr.* (*Mod. Hist.*).
Henderson, B. W., M.A., D.Litt., *Tutor.*
Williams, N. P., B.D., M.A., *Lectr.* (*Theol.*).
Cheshire, G. C., B.C.L., M.A., *Lectr.* (*Law*).
Barber, E. A., M.A., *Senior Tutor, Lectr.* (*Classics*).
Raikes, H. R., M.A., *Sub-Rector, Tutor*
Coghill, N. H. K. A., M.A., *Tutor, Lectr.* (*Engl.*), *Librarian.*
Waters, E. G. R., M.A., *Research Fellow, Lectr.* (*French*).
Dawkins, R. MacG., M.A., *Prof. of Byzantine and Modern Greek.*
Soddy, F., M.A., F.R.S., *Prof. of Chem.*

Non-Stipendiary Fellow :
Balfour, H., M.A.

Other Tutors and Lecturers :
Loewe, H. M. J., M.A. (*Hebrew*).
Stampa, L., M.A. Mag. (*Mod. Hist.*).
Oppenheim, A., B.A. Balliol (*Maths.*).
Wood, T., M.A., D.Mus. (*Music*).

Catechist :
Rawlinson, Rev. A. E. J., D.D.

HERTFORD COLLEGE. Founded 1874. Principal—Sir Walter R. Buchanan-Riddell, Bart., M.A.

Fellows:
Cecil, Rt. Hon. Lord Hugh, M.A., Hon. D.C.L.
Haselfoot, C. E., M.A.
Cruttwell, C. R. M. F., M.A., *Tutor, Lectr.* (*Mod. Hist.*).
Murphy, N. R., M.A., *Sr. Tutor, Lectr.* (*Philos.*).
Denniston, J. D., M.A., *Tutor, Lectr.* (*Classics*), *Librarian.*
Boase, T. S. R., M.A., *Lectr.* (*Mod. Hist.*).
Hignett, C., M.A., *Lectr.* (*Anc. Hist.*).
Fifoot, C. H. S., M.A., *Lectr.* (*Jurispr.*).
Ferrar, W. L., M.A., *Lectr.* (*Maths.*).
Hollis, A. M., M.A., *Lectr.* (*Theol.*).

Other Lectrs.:
Brett-Smith, H. F. B., M.A. (*Engl. Lit.*).

JESUS COLLEGE. Founded 1571. Principal—A. E. W. Hazel, B.C.L., M.A.

Fellows:
de Winton, Ven. F. H., M.A.
Poulton, Prof. E. B., M.A., D.Sc.
Chapman, D. L., M.A., F.R.S., *Vice-Principal, Tutor.*
Dodd, P. W., M.A., *Senior Tutor.*
Edwards, J. G., M.A., *Tutor.*
Fraser, Prof. J., M.A.
Hodgkinson, J., M.A., *Tutor.*
George, H. J., M.A., *Tutor, Librarian.*
Seymour, P. A., M.A., *Tutor.*
Jones, M., D.D.

Other Lecturers:
Cross, L. B., M.A. (*Theol.*).
Stenning, J. F., M.A. (*Orient. Langs.*).
Brett-Smith, H. F. B., M.A. (*Engl.*).
Ewert, A., M.A. (*French*).

LINCOLN COLLEGE. Founded 1427. Rector—J. A. R. Munro, M.A

Fellows:
Sidgwick, N. V., M.A., F.R.S., *Lectr.* (*Nat. Sc.*).
Marchant, E. C., M.A., *Sub-Rector, Sr. Tutor.*
Carlyle, E. I., M.A., *Lectr.* (*Mod. Hist.*), *Librarian.*
Dreyer, Prof. G., M.A.
Hanbury, H. G., B.C.L., M.A., *Lectr.* (*Jurispr.*)
Brook, V. J. K., M.A., *Jr. Tutor, Lectr.* (*Theol.*).
Beazley, Prof. J. D., M.A.

Other Lecturers:
Carlyle, A. J., M.A., D.Litt., Univ. (*Engl. Lit.*).
Jeffery, R. W., M.A., B.N.C. (*Mod. Hist.*).
Morison, C. G. T., M.A. Ball. (*Agric. Chem.*).
Vinaver, E., B.Litt. (*French*).

MAGDALEN COLLEGE. Founded 1458. President—Sir Herbert Warren, K.C.V.O., M.A., Hon. D.C.L.

Fellows:
Wilson, H. A., M.A.
Hogarth, D. G., M.A., D.Litt.
Turner, Prof. C. H., M.A.
Benecke, P. V. M., M.A.
Miers, Sir Henry A., M.A., D.Sc., F.R.S.
Gunther, R. W. T., M.A.
Poole, R. L., M.A.
Cowley, A. E., M.A., D.Litt.
Brightman, F. E., M.A.
Thompson, J. M., M.A., *Tutor.*
Bell, C. F., M.A.
Bowman, H. L., M.A., D.Sc., *Prof. of Mineralogy, etc.*
Smith, J. A., M.A., *Prof. of Philos.*
Carter, C. R., M.A.
Perkin, W. H., M.A., F.R.S., *Prof. of Chem.*
Sherrington, Sir Charles S., M.A., Hon. D.Sc., *Prof. of Physiology.*
Wrong, E. M., M.A., *Tutor* (*Mod. Hist.*).
Manley, J. J., M.A.
Salter, H. E., M.A.
Craig, E. S., M.A., *Vice-President.*
Keeble, Sir Frederick W., M.A., F.R.S., *Prof. of Botany.*
Hope, E., M.A., *Tutor* (*Nat. Sc.*), *Jr. Dean of Arts.*
Driver, G. R., M.A., *Tutor* (*Classics*), *Librarian.*

Lee, S. G., M.A., *Tutor* (*Mod. Hist.*), *Secy. to Tutorial Board.*
Segar, R., M.A., *Tutor* (*Law*).
Dixon, A. L., M.A., *Prof. of Pure Maths.*
MacKeith, M. H., D.M., *Tutor* (*Nat. Sc.*).
Snow, G. R. S., B.Sc., M.A.
Weldon, T. D., M.A., *Classical Tutor* (*Classics*), *Sr. Dean of Arts.*
Onions, C. T., M.A.
Titchmarsh, E. C., M.A.
Chute, A. W., M.A., *Dean of Divinity.*
Lewis, C. S., M.A., *Tutor* (*English*).
Parker, H. M. D., M.A., *Tutor* (*Anc. Hist.*).
Foligno, C. C., M.A., *Prof. of Italian.*
Longden, R. P., B.A.

MERTON COLLEGE. Founded 1264. Warden—T. Bowman, M.A.

Fellows :
How, W. W., M.A., *Sr. Tutor.*
Miles, Sir John C., M.A., B.C.L., *Tutor.*
Goodrich, Prof. E. S., M.A., D.Sc.
Garrod, Prof. H. W., M.A.
Fyfe, W. H., M.A.
Marsh, J. E., M.A.
Gill, E. W. B., M.A., B.Sc.
Mure, G. R. G., M.A., *Principal of the Postmasters* (*Scholars*), *Tutor.*
Green, F. W., M.A., *Sub-Warden, Divinity Lecturer, Tutor.*
Lambert, B., M.A., *Tutor.*
Wyld, Prof. H. C. K., B.Litt., M.A.
Deane Jones, I., M.A., *Tutor.*
Nichol Smith, D., M.A.
Gordon, Prof. G. S., M.A.
Thompson, R. C., M.A., D.Litt.
de Beer, G. R., M.A., B.Sc.
Edwards, W. M., B.A., *Tutor.*
Newboult, H. O., M.A., *Tutor.*
Lawson, F. H., M.A.

Other Lecturers :
Mowat, R. B., M.A. C.C.C. (*Mod. Hist.*).
Carter, C. W., B.M. Qu. (*Physiology*).

NEW COLLEGE. Founded 1379. Warden—Rt. Hon. H. A. L. Fisher, M.A.

Fellows :
Courtney, W. L., M.A.
Moyle, J. B., D.C.L.
Hayes, E. H., M.A.
Margoliouth, Prof. D. S., M.A., D.Litt.
Matheson, P. E., M.A.
Joseph, H. W. B., M.A., *Tutor.*
Turner, H. H., M.A., D.Sc., *Prof. of Astronomy*
Townsend, J. S. E., M.A., F.R.S., *Prof. of Physics.*
Haldane, J. S., M.A.
Henderson, H. L., M.A., *Tutor.*
Schuster, E. H. J., M.A., D.Sc.
Walden, A. F., M.A., *Tutor.*
Allen, Prof. Sir Hugh P., D.Mus., M.A.
Legg, L. G. Wickham, M.A., *Tutor.*
Myres, J. L., M.A., *Prof. of Anc. Hist., Librarian.*
Ogg, D., M.A., *Tutor.*
Smith, A. H., M.A., *Tutor.*
Joachim, H. H., M.A., *Prof. of Logic.*
Radcliffe, G. R. Y., M.A., *Tutor.*
Casson, S., M.A., *Lectr., Sub-Warden.*
Hardy, G. H., M.A., F.R.S., *Prof. of Geometry.*
Poole, E. G. C., M.A., D.Phil., *Tutor.*
Lightfoot, R. H., M.A., *Tutor, Dean of Divinity.*
Manning, C. A. W., B.C.L., M.A., *Lectr.*
Salvesen, H. K., B.A., *Lectr.*
Creed, R. S., B.M., M.A., *Lectr.*
Cox, C. W. M., B.A., *Lectr.* (*Anc. Hist*).
Prussia, E. C., *Lectr.* (*Classics*).
McCallum, S. P., B.A., D.Phil., *Lectr.* (*Physics*).

Other Lectrs. :
Woodward, E. L., M.A., *Tutor.*
House, H. W., M.A.
Wilson, F. P., B.Litt., M.A.

ORIEL COLLEGE. Founded 1326. Provost—L. R. Phelps, M.A., Hon. D.C.L.

Fellows :
Richards, G. C., D.D., *Tutor.*
Ross, W. D., M.A., *Tutor.*
Tod, M. N., M.A., *Tutor, Librarian.*
Lyon, P. C., M.A.
Clark, G. N., M.A., *Tutor.*

Hammick, D. L., M.A., *Tutor.*
Simpson, P., M.A., *Lectr.*
Webb, C. C. J., M.A., *Prof. of Philos. of Christian Religion.*
Cohn, E. S., M.A., *Lectr.*
Franklin, K. J., B.M., M.A., *Lectr.*
Davis, H.W.C., M.A., *Prof. of Mod. Hist.*
Simpson, D. C., D.D., *Prof. of Interpretation of Holy Scripture.*
Wand, J. W. C., M.A., *Tutor.*
Hargreaves, E. L., M.A., *Lectr.*
Jacobs, A. C., B.C.L., *Lectr.*

Other Lecturers:
Rogers, L. J., B.Mus., M.A., F.R.S. (*Maths.*).
Stallybrass, W. T. S., M.A. (*Law*).
Berthon, H. E., M.A. (*French*).

PEMBROKE COLLEGE. Founded 1624. Master—F. Homes Dudden, D.D.

Fellows:
Ramsden, W., D.M.
Drake, H. L., M.A., *Vicegerent, Tutor.*
Collingwood, R. G., M.A., *Tutor, Librarian.*
Burrowes, A. B., M.A., *Lectr.* (*Divinity and Classics*).
Salt, L. E., M.A.
McCallum, R. B., M.A., *Lectr.* (*Mod. Hist.*).
Tolkien, Prof. J. R. R., M.A.

Other Lecturers:
Brett-Smith, H. F. B., M.A. (*English*).
Berthon, H. E., M.A. (*French*).
George, H. J., M.A. (*Nat. Sc.*).
Williams, N. P., B.D., M.A. (*Theol.*).
Manning, C. A. W., B.C.L., M.A. (*Jurispr.*).

THE QUEEN'S COLLEGE. Founded 1340. Provost—J. R. Magrath, D.D.; Pro-Provost, Rev. E. M. Walker, M.A.

Fellows:
Armstrong, E., M.A.
Sayce, A. H., M.A., Hon. D.Litt.
*Walker, E. M., M.A. (*Anc. Hist.—Greek*).
*Allen, T. W., M.A., *Sr. Tutor, Librarian* (*Classics*).
*Thompson, C. H., M.A., *Tutor* (*Maths.*).
Cronshaw, G. B., M.A.
*Hodgkin, R. H., M.A., *Tutor* (*Mod. Hist.*).
*Streeter, B. H., M.A. (*Theol.*).
Hunt, Prof. A. S., M.A., D.Litt.
*Paton, H. J., M.A, *Tutor* (*Philos.*).
*Bell, J., M.A., *Tutor* (*Classics*).
*Chattaway, F. D., M.A., *Tutor* (*Chem.*).
*Elton, G., M.A. (*Mod. Hist.*).
*Berrisford, E. A., M.A. (*Divinity*).
*House, H. W., M.A. (*Mod. Langs.*).
Love, A. E. H., M.A., D.Sc., F.R.S., *Prof. of Nat. Philos.*
Fiedler, H. G., M.A., *Prof. of German.*
McElroy, R. McN., M.A., *Prof. of American Hist.*

Laming Travelling Fellows:
Wright, M. R., B.A.
Lascelles, D. W., B.A.
Samuel, H., B.A.
Wright, A. E., B.A.
Barnes, H. G.
Hankey, R. M. A.
Nairac, A. L.

Other Lecturers:
Jones, J. W., M.A. (*Law*).
Brett-Smith, H. F. B., M.A. (*English*).
Forbes, N., M.A. (*Russian*).
Carter, C. W., B.M. (*Physiology*).

* Prælector.

ST. JOHN'S COLLEGE. Founded 1555. President—H. A. James, C.H., D.D.

Fellows:
Dermer, E. C., B.D., M.A.
Powell, J. U., M.A., *Tutor, Lectr.* (*Classics*).
Pullan, L., D.D., *Tutor, Lectr.* (*Theol.*).
Hall, F. W., M.A., *Vice-President, Senior Tutor, Lectr.* (*Classics*).
Douglas, C. G., B.Sc., D.M., F.R.S., *Tutor, Lectr.* (*Nat. Sc.*).
Poole, A. L., M.A., *Tutor, Lectr.* (*Mod. Hist.*), *Librarian.*
Last, H. M., M.A., *Tutor, Lectr.* (*Classics and Anc. Hist.*).

Applebey, M. P., B.Sc., M.A., *Tutor, Lectr.* (*Chem.*).
Troup, Prof. R. S., M.A., D.Sc., F.R.S.
Costin, W. C., M.A., *Lectr.* (*Mod. Hist.*), *Sr. Dean of Arts.*
Hart-Synnot, R. V. O., M.A.
Mabbott, J. D., B.Litt., M.A., *Lectr.* (*Philos.*), *Jr. Dean of Arts.*
Watson, Prof., J. A. S., M.A.
Slade, E., B.A.

Other Lecturers:
Hughes, A. M. D'U., M.A. (*English*)
Berthon, H. E., M.A. (*French*).
Newboult, H. O., M.A. (*Maths.*).

TRINITY COLLEGE. Founded 1554–1555. President—H. E. D. Blakiston, D.D.

Fellows:
Green, M. H., M.A.
Patterson, M. W., M.A., *Tutor, Lectr.* (*Mod. Hist.*), *Vice-President.*
Weaver, J. R. H., M.A., *Tutor, Lectr.* (*Mod. Hist.*), *Librarian.*
Higham, T. F., M.A., *Tutor, Lectr.* (*Classics*).
Landon, P. A., M.A., *Lectr.* (*Jurispr.*).
Liddell, E. G. T., B.M., M.A., *Research Fellow in Physiology.*
Hinshelwood, C. N., M.A., *Lectr.* (*Chem.*).
Kirk, K. E., D.D., *Lectr.* (*Theol.*).
Price, H. H., B.Sc., M.A., *Lectr.* (*Philos.*).
Peters, R. A., M.A., *Prof. of Bio-Chemistry.*
Studer, P., M.A., *Prof. of Romance Language.*

Lecturer:
Hall, R L., B.A. Magd. (*Econ.*).

UNIVERSITY COLLEGE. Founded 1249. Master—Sir Michael E. Sadler, K.C.S.I., C.B., M.A.

Fellows:
*Poynton, A. B., M.A. (*Greek*).
*Farquharson, A. S. L., M.A., *Senior Tutor* (*Logic*)
*Carritt, E. F., M.A. (*Philos.*), *Librarian.*
Sollas, Prof. W. J., M.A., F.R.S.
*Walker, E. W. A., D.M., D.Sc., *Tutor* (*Nat. Philos.*).
*Stevenson, G. H., M.A. (*Anc. Hist.*), *Secretary.*
Leys, K. K. M., M.A., *Tutor* (*Mod. Hist.*).
*Allen, C. K., M.A. (*Jurispr.*).
*Keir, D. L., M.A. (*Mod. Hist.*).
*Bowen, E. J., M.A. (*Chem.*).
Grensted, L. W., B.D., M.A., *Lectr.* (*Theol.*).
Cole, G. D. H., M.A.
Ashburner, Prof. W., D.C.L.

Radcliffe Travelling Fellows:
Franklin, K. J., B.M., M.A. Oriel.
Brocklehurst, R. J., B.M., M.A.

Other Lecturers and Asst. Lectrs.:
Johnson, A. H., M.A. All Souls (*Mod. Hist.*).
Thompson, C. H., M.A. Queen's (*Maths.*).
Carlyle, A. J., M.A., D.Litt. (*Polit. Theory*).
Morison, C. G. T., M.A. (*Rural Ec.*).
Douglas, J. A., M.A., D.Sc. (*Geology*).
Bosanquet, C. H., M.A. (*Physics*).
Wilson, F. P., B.Litt., M.A. (*Engl. Lit.*).
Ewert, A., M.A. (*French*).

* Prælector.

WADHAM COLLEGE. Founded 1610. Warden—J. Wells, M.A., Hon. D.C.L.

Fellows:
Dixey, F. A., D.M., F.R.S., *Sub-Warden, Lectr.* (*Physiology, etc.*).
Stenning, J. F., M.A., *Senior Tutor, Lectr.* (*Hebrew and Divinity*).
Wade-Gery, H. T., M.A., *Tutor* (*Classics*).
Lindemann, F. A., M.A., F.R.S., *Prof. of Exp. Philos.*
Lennard, R. V., M.A., *History Tutor, Librarian.*
Brabant, F. H., M.A., *Lectr.* (*Philos.*).
Bowra, C. M., M.A., *Tutor.*
Keeley, T. C., M.A., *Lectr.* (*Physics*).

Cecil, Lord Edward C. D. G., B.A., *Lectr.* (*Mod. Hist.*).
Hart, W. O., B.C.L., *Lectr.* (*Law*).

Other Lecturers:
Berthon, H. E., M.A. (*French*).
Simpson, P., M.A. (*English*).

WORCESTER COLLEGE. Founded 1714. Provost—F. J. Lys, M.A.

Fellows:
Roberts, P. E., M.A., *Vice-Provost, Lectr.* (*Mod. Hist.*).
Wilkinson, C. H., M.A., *Lectr.* (*Engl. Lit.*), *Librarian.*
Pickard-Cambridge, A. W., M.A., *Tutor, Lectr.* (*Classics*).
Somerset, H. V. F., M.A., *Asst. Tutor, Lectr.* (*Mod. Hist.*).
Bryan-Brown, A. N., M.A., *Asst. Tutor, Lectr.* (*Classics*).
Braunholtz, Prof. G. E. K., M.A.

Other Lecturers:
Marriott, Sir John A. R., M.A. (*Mod. Hist.* and *Economics*).
Rogers, L. J., B.Mus., M.A., F.R.S. (*Maths.*).

Laycock Student of Egyptology:
Peet, T. E., M.A.

ST. EDMUND HALL. Founded *c.* 1238. Principal—G. B. Allen, D.D

Tutors:
Emden, A. B., M.A. (*Mod. Hist.*), *Vice-Principal.*
Brewis, G. R., M.A., *Senior Tutor.*
Fletcher, R. F. W., M.A., *Tutor* (*English*).

Lecturers:
Thompson, C. H., M.A. (*Maths.*).
Chattaway, F. D., M.A., F.R.S. (*Chem.*).
Waters, E. G. R., M.A. (*French*).
Bell, J., M.A. (*Classics*).

KEBLE COLLEGE. Founded 1870. Warden—B. J. Kidd, D.D.

Tutors:
Reade, W. H. V., M.A., *Librarian, Sub-Warden.*
Owen, A. S., M.A.
Joliffe, J. E. A., M.A.
Gretton, R. H., M.A.
Rice-Oxley, L., M.A.
Parkes, G. D., B.Sc., M.A.
Butler, B. E., B.A.
Balsdon, J. P. V. D., B.A.

Lecturer:
Hugh-Jones, E. M., B.A.

NON-COLLEGIATE STUDENTS. Censor—J. B. Baker, M.A., Non-Coll.

Tutors and Lecturers:
Carlyle, A. J., M.A., D.Litt. Univ. (*Engl. Lit.*).
Thompson, C. H., M.A. Qu. (*Maths.*).
Baker, J. B., M.A. Non-Coll. (*Mod. Hist.*).
Richards, G. C., D.D. Oriel (*Classics*).
Sturt, H. C., M.A. Qu. (*Philos.*).
Kendrew, W. G., M.A. Non-Coll. (*Classics*).
Brook, V. J. K., M.A. Linc. (*Theol.*).
Garabedian, D., M.A. Non-Coll. (*French*).
George, H. J., M.A. Jes. (*Chem.*).
Davies, R. T., M.A. Non-Coll. (*Mod. Hist.*).

CAMPION HALL. Master—E. G. O. Vignaux, M.A.

ST. BENET'S HALL. Master—P. J. McCann, M.A.

Recognized Societies of Women Students (v. p. 214)

LADY MARGARET HALL, founded in 1878 and opened in 1879; constituted under a Deed of Trust in 1893, incorporated 1913. *Principal*—Lynda Grier, M.A.

Tutors:
Grier, Lynda, M.A., Principal (*Economics*).
Jamison, Evelyn M., M.A., Vice-Principal (*History*).
Spens, Janet, M.A. (*English*).
Dencke, Helena C., M.A. (*German*).
Skipworth, Margaret G., M.A. (*French*), *Librarian.*
Coate, Mary, M.A. (*History*).

*Ramsay, Agnes M., M.A. (*Classics*).
*Chilcott, Catherine M., M.A. (*Classics*).
Everett, Dorothy, M.A. (*English*).
Hall Secretary: Anson, Christine, M.A.
Lecturers:
Kirkaldy, Jane W., M.A. Som. (*Nat. Sc.*).
Farrow, Elizabeth M. O., M.A. St. Hu. (*Chem.*).
Nicholson, Dorothy M. W. (Mrs.), M.A. (*Maths.*).
Wardale, Edith E., M.A., St. Hu. (*Engl. Lang.*).

* Fellow.

SOMERVILLE COLLEGE, founded as Somerville Hall in 1879. *Principal*—Miss S. M. Fry, M.A. *Vice-Principal*—*Hon. Alice Bruce, M.A.

Tutors:
* Pope, Mildred K., M.A. (*Mod. Langs.*).
* Lorimer, Hilda L., M.A. (*Classics*).
Kirkaldy, Jane W., M.A. (*Science*).
* Darbishire, Helen, M.A. (*English*).
* Clarke, Maude V., M.A. (*History*).
* Young, Charlotte R. D., M.A. (*Engl. Lang.*).

Lecturer:
Farrow, Elizabeth M. O., M.A. (*Chem.*).

Research Fellows:
Porter, Mary W., B.Sc.
McKisack, May, B.A., B.Litt.
* *Secy. and Treasurer*—Beauchamp, Agneta.
* *Librarian and Dean*—Farnell, Vera, M.A.

* Fellow.

ST. HUGH'S COLLEGE, founded as St. Hugh's Hall, in 1886, was incorporated as St. Hugh's Coll. in 1911. *Principal*—* Miss B. E. Gwyer, M.A.

Tutors:
Kirkaldy, Jane W., M.A. (*Nat. Sc.*).
Farrow, Elizabeth M. O., M.A. (*Chem.*).
* Ritchie, Evelyn D., M.A. (*Classics*).
* Francis, Elizabeth A., M.A. (*French*).
* Perham, Margery F., M.A. (*Hist.*), *Vice-Principal.*
* Goulding, Sybil M., M.A. (*French*).
* Seaton, Mary E., M.A. Lond. (*Engl. Lit.*).
* Procter, Evelyn E. S., M.A. (*Hist.*).
* Buckhurst, Helen McM., M.A. (*Engl. Lang.*).

Lecturer:
Nicholson, Dorothy M. W. (Mrs.), M.A. (*Maths.*).

Librarian—Mammatt, Winifred M., M.A.

* Fellow.

ST. HILDA'S COLLEGE, founded in 1893 by Miss Dorothea Beale, sometime Principal of Cheltenham Ladies' Coll. *Principal*—Winifred H. Moberly, M.A.

Tutors:
Mann, Julia de L., M.A. (*Economics*), *Vice-Principal.*
Keith, Christina, M.A. (*Classics*).
Rooke, Eleanor W., M.A. (*Engl. Lit.*).
Sandys, Agnes M., M.A. (*Mod. Hist.*).
Chesney, Kathleen, M.A. (*French*).
Cooper, Sybil, M.A., Ph.D. Camb., *Librarian, Research Fellow.*

Lecturers:
Wardale, Edith E., M.A. (*Engl. Lang.*).
Kirkaldy, Jane W., M.A. (*Nat. Sc.*).
Farrow, Elizabeth M. O., M.A. (*Chem.*).
Nicholson, Dorothy M. W. (Mrs.), M.A. (*Maths.*).

SOCIETY OF OXFORD HOME-STUDENTS, founded in 1879. The Governing

Body is the Univ. Delegacy of Home-Students. *Principal*—Miss Burrows, M.A., 1 Jowett Walk, Oxford.

Tutors:
Ady, Cecilia M., M.A. (*Mod. Hist.*).
Butler, Christina V., M.A. (*Economics*).
Butler, Ruth F., M.A. (*Mod. Hist.*), *Vice-Principal, Sr. Tutor.*
Hugon, Marianne C. G., M.A. (*French*).
Kirkaldy, Jane W., M.A. (*Nat. Sc.*).
Lee, Margaret L., M.A. (*English*).
Leys, Mary D. R., M.A. (*Mod. Hist.*).
MacMunn, Norah E., M.A. (*Geog.*).
Poole, Dorothy J. L., M.A. (*Classics*).
Taylor, Dorothy O., M.A. (*English*).
Williams, Ivy, D.C.L. (*Jurispr.*).

Lecturers:
Lees, Beatrice A., M.A. (*Mod. Hist.*).
Nicholson, Dorothy M. W. (Mrs.), M.A. (*Maths.*).

The students reside in their own homes or with relatives or in private families in Oxford or, occasionally, in lodgings. Twelve reside in the Anglican convent of S. Thomas and eight in the Wantage Sisters' House, 33 Banbury Rd.

St. Frideswide's, Cherwell Edge, is a hostel maintained by the Roman Catholic Community of the Holy Child Jesus, and licensed by the Univ. for the reception of Home-Students, religious and secular.

GENERAL INFORMATION

CONSTITUTION — FACULTIES — ADMISSION — INCORPORATION — WOMEN STUDENTS—ADMISSION TO ADVANCED STANDING—AFFILIATED COLLEGES —TERMS—DEGREES—ARTS—B.LITT. AND B.SC.—ADVANCED STUDIES—THEOLOGY—LAW—MEDICINE—MUSIC—DIPLOMAS—COMMISSIONS IN H.M. FORCES—INDIAN CIVIL SERVICE—TRAINING OF TEACHERS—SCHOLARSHIPS—RHODES SCHOLARSHIPS—APPOINTMENTS COMMITTEE—LIBRARIES AND MUSEUMS—LABORATORIES—OXFORD AND CAMBRIDGE SCHOOLS' EXAMINATION BOARD—LOCAL EXAMINATIONS—EXTRA-MURAL STUDIES—PUBLICATIONS—EXPENSES.

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 Decree or Diploma. It sanctions petitions to Parliament, authorises the affixing of the Univ. seal when necessary, and its members elect the Univ. representatives in Parliament. The *Hebdomadal Council* consists of the Chancellor, Vice-Chancellor, immediate ex-Vice-Chancellor (for a certain period after the expiry of his term of office), 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 and Halls 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.

FACULTIES. Theology, Law, Medicine, Literæ Humaniores, Modern History, English Language and Literature, Mediæval and Modern Languages, Oriental Languages, Physical Sciences (including Mathematics), Biological Sciences. For Music and for Philosophy, Politics, and Economics, there are Boards of Studies.

ADMISSION to the Univ. (" Matriculation ") is without respect of sex, birth, age, nationality, or creed, and follows upon admission to a College or Hall or to the Society of Non-Coll. Students, or Society of Home-Students. 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; it should be made, if possible, a year or more before residence is contemplated, especially if rooms within the College walls are desired. Except for certain classes of persons the passing of an entrance examn. is a condition of admission to matriculation.

The Colleges and Halls and the Society of Non-Coll. Students require certain qualifications of character and intellectual attainment in which the passing of *Responsions* or some equivalent examn. is necessarily included.

Students from abroad (v. also Appendix XXIII.). The Secretary (H. S. Williamson, M.A., Indian Institute) of the *Delegacy for Oriental Students* is prepared to advise Indian and other oriental students, who should apply for admission through him.

To deal with enquiries from other students who wish to become members of the Univ. and whose home residence is outside Great Britain an *Adviser to Colonial and Foreign Students* (R. Truslove, M.A., 40 Broad St.) is attached to the Univ. Registry. Applications for admission may be made through him.

Permission to attend lectures given by Professors and University Readers and by Lecturers in English Language and Literature can be obtained by persons who are not members of the Univ. on payment of a fee of £3 a term at the office of the University Chest, Clarendon Building, Broad Street.

Lectures and classes in Modern Foreign Languages may be attended by external students on payment of fees varying from 15s. to 10s. for one hour a week. Application should be made to the Clerk to the Curators, Taylor Institution.

INCORPORATION. Members of the Univs. of Cambridge and Dublin can be, under certain conditions, " incorporated " into this Univ., *i.e.* admitted to

* Balliol—The Tutor for Admissions; Qu.—The Pro-Provost; Non.-Coll. —The Censor, Non-Collegiate Buildings; in other cases—The head of the Society (v. *supra*).

the same status and degree which they hold in their own Univ. Notice of intention to incorporate as an undergraduate must be sent to the Registrar through the Head of a College or the Censor of Non-Coll. Students. The privileges of incorporation as a graduate are limited to B.A., M.A., Litt.D., B.D., D.D., and D.Sc. of those Univs. Any applicant for incorporation must have kept by residence at his Univ. before taking his degree the same number of terms that he would have been required to keep at Oxford for the corresponding degree. While an undergraduate is allowed to incorporate as a matter of course, a graduate must first satisfy the Hebdomadal Council that there are adequate reasons.

In 1910 a Delegacy for WOMEN STUDENTS was constituted, and provision made for recognition by the Univ. of Societies for their reception for academical study, students on the books of such Recognized Societies being accorded a privileged status. Under the provisions of a Statute approved by Convocation on May 11, 1920, which came into force on Oct. 7, 1920, women may be matriculated and admitted to degrees in the Univ. 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 (except B.D. and D.D.) 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 Delegacy for Women Students has been abolished.

The number of resident undergraduate members of the Society of Home Students (who keep statutable residence in houses approved by the Delegates for Lodgings) is limited at present to 220, exclusive of "Advanced students," and of an additional number not exceeding 5 in any term as may for exceptional reasons be given permission to reside. Preference is given to those applicants for admission to the Society whose homes are in Oxford.

ADMISSION TO PRIVILEGED STANDING OF STUDENTS FROM OTHER INSTITUTIONS: "JUNIOR" AND "SENIOR" STUDENTS. I. *Universities other than Indian.*—(*a*) Any student who shall have pursued at his Univ. a prescribed course extending over 2 years may be admitted as a "Junior Student" provided that his course and the standard attained by him in any examns. proper to it shall have been approved. No course will be approved which does not include the study of 2 languages other than English, of which languages one must be either Latin or Greek. (*b*) Any person who has obtained a degree at his Univ., Degree and Univ. having been approved, may be admitted as a "Senior Student," provided that he shall have pursued at that Univ., or, if approved, at more than one Univ., a course extending over 3 years.

II. *Indian Universities.*—(*a*) Any student who shall have pursued at his Univ. a prescribed course extending over 2 years, and obtained the Degree of B.A. or B.Sc., may be admitted as a "Junior Student," provided that Degree and Univ. have been approved. No Degree will be approved which does not include the study of English and in addition of 2 of the following languages, Latin, Greek, French, German, Sanskrit, Arabic, Persian, Pali, Classical Chinese, of which 2 either Latin or Greek or French or German must be one. (*b*) Any student who shall have pursued at his Univ. or, should the Hebdomadal Council in his case approve, at more than one Univ. a prescribed course extending over 3 years and obtained a Degree with 1st or 2nd Class

Honours, may be admitted as a " Senior Student," provided that Degree and Univ. have been approved.

III. A *Junior Student*: (*a*) may reckon his 1st term as his 4th; (*b*) is not required to pass Responsions; (*c*) is entitled to supplicate for Degree of B.A. after having resided 6 terms and passed the 1st Public Examn. and either (1) obtained a place in the Class List of an Honour School of the 2nd Public Examn. or been allowed " ægrotat "; or (2) satisfied the Examiners in the 2nd Public Examn. in the Final Honour School of Nat. Sc. in Chem., Pt. I., or in the Final School of Agric. or of Forestry; or (3) obtained Honours in the 1st Public Examn., and subsequently passed the 2nd Public Examn.; or (4) if disqualified by standing from obtaining such Honours, shown such merit as would otherwise have entitled him to a place on the Class List.

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. or any Preliminary or Previous Examn. of the 2nd Public Examn.; (*c*) is entitled to supplicate for the Degree of B.A. after having kept statutable residence for 6 terms, and having either (i.)—as above—(*c*) (1); or (ii.)—as above—(*c*) (4); or (iii.) satisfied the Examiners in the Final Honour School of Chemistry, Part I.; or (iv.) passed the Prel. Examn. in Agriculture or Forestry and also the Final Examn. in Agriculture or Forestry.

No Junior or Senior Student will be entitled to supplicate for the Degree of B.A. except as above.

Members of the following AFFILIATED COLLEGES may claim the status of Affiliated Junior Student if they have pursued a 2 yrs.' course of study at their Coll. and taken Honours in an examn. thereon: St. David's Coll., Lampeter (3 yrs.' course with Honours may give admission to status of Senr. student); Univ. Colls., Nottingham, Southampton, Exeter; Exeter Diocesan Training Coll. The privileges of an Affiliated Junior Student are similar to but not identically the same as those of a " Junior Student."

TERMS. The Academical year, which begins in Oct. and ends in June, consists of 3 terms, Michaelmas, Hilary (or Lent), and Trinity, beginning, respectively, on Oct. 10, Jan. 14, and the Wednesday after Easter Day, and ending Dec. 17, the day before Palm Sunday, and (usually) the Saturday after the first Tuesday 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 except in Music. Full terms begin May 1 and Oct. 16, 1927, and Jan. 22 and April 29, 1928, and end June 25 and Dec. 10, 1927, and March 17 and June 23, 1928.

DEGREES. B.A., M.A., B.Litt., D.Litt.; B.Sc., D.Sc.; D.Phil.; B.D., D.D.; B.C.L., D.C.L.; B.M., B.Ch., D.M., M.Ch.; 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.Litt., B.Sc., 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. and Hall,

* In special circumstances leave to reside in a house which has not been licensed may sometimes be obtained.

however, as well as the Delegacy of Non-Coll. Students, 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. The examn. includes 3 groups: I. (*a*) Latin, (*b*) Greek; II. (*a*) English, (*b*) French, (*c*) German, (*d*) Italian, (*e*) Spanish; III. (*a*) Maths., (*b*) Nat. Sc. In order to be deemed to have passed Responsions it is necessary to have passed either in both subjects of Group I. and in the 2 subjects in Group III., or else in one subject at least in each group, and in 4 subjects in all, including two languages other than English. See also Appendix XXI.

(*b*) The *1st Public Examn.* This consists of (1) Examn. in Holy Scripture, (2) Honour Classical Moderations, (3) Hon. Math. Modns., (4) Pass Modns., (5) Prelim. Jurisprudence, (6) Prelim. Mod. Hist., (7) Prelim. N.Sc., (8) Prelim. Agr., and (9) Prelim. Forestry. In order to pass the Examn. a candidate must pass in (1) and in one of the other 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. There is also a homogeneous course in either *Agriculture* or *Forestry*. (*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., Astron., or Engin.); Jurispr.; Mod. Hist.; Theol.; Oriental Studies (Sanskrit, Arabic, Hebrew, Persian, or Egyptian); Engl. Lang. and Lit.; Mod. Langs. (French, Ger., Ital., Span., Russ., or Mediæval and Mod. Greek); Philos., Politics, and Economics.

Under certain conditions members of other Univs. and officers not under 21 years of age who have held for not less than 3 years a Commission in H.M. Regular Forces, and been seconded or specially relieved from active duty by the Admiralty, War Office, Air Ministry, or India Office for the purpose of attending an academic course of not less than 2 yrs., may be admitted to the status of "Service Student," 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. *supra*, p. 215). Analogous concessions are made in favour of Probationers for Forest Services in the British Empire who have obtained an approved degree at an approved Univ. and been admitted to the status of "Imperial Forest Service Student." Natives of Asia, Egypt, or the Sudan, born of non-European parents, can apply for permission to offer a substitute for Latin or Greek in Responsions and the 1st Public examn.

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. 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 (for the B.Litt), not being a member of the Univ. of Oxford, (3) 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 and medicine, no probationary period is prescribed.

Of a similar nature but of a much higher standard is the degree of DOCTOR OF PHILOSOPHY instituted in 1918 (v. p. 18).

To a student who, having kept residence for a period of not less than 3 terms, has completed a course of study or research for the B.Litt. or B.Sc. and embodied the results in a dissertation, or has pursued during such residence a course of study or research under the direction of the COMMITTEE FOR ADVANCED STUDIES, a *Certificate* may be granted by the Board of the Faculty or Board of Studies concerned or by the Committee for Advanced Studies, as the case may be.

The higher degrees, D.LITT. AND D.Sc., instituted in 1900, are awarded for published work of sufficient merit.

THEOLOGY. The B.D. degree is open to candidates of over 21 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 hons. in School of Theol. exempts from this examn.

The degree of D.D. is open to those who have been admitted to the 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 7 or 8 years, of which three are usually 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 mos. 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 on the Register of Non-Coll. Students for 20 terms.

Affiliated Colonial or Indian 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 *either* (*a*) have been admitted to the degree of B.A. *or* (*b*) have (1) passed Responsions or an equivalent or a special Prelim. examn. for students of music, (2) satisfied the examiners in English or 1 of 6 language subjects in the Final Pass School, and (3) pursued either at the Univ. or at some approved institn. a course of musical study, approved by the Board of Studies for Music, extending over at least

2 yearly courses. All candidates must also pass 3 examns. in Music (the subject of one of which is the composition of a Musical Exercise) under conditions laid down by Statute. There is no residential qualification for the degree of B.Mus., but the conditions of admission to the various examns. make it necessary that the candidate's name should be on the books of his Coll. or Hall or of the Society of Non.-Coll. Students for at least 9 terms. 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. Most 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:

Geography, 1 yr., The Director, School of Geog., Mansfield Rd.

Education, 1 yr. (or Vacation course, v. *infra*), Director of Training, 15 Norham Gardens.

Economics and Political Science, Dr. A. J. Carlyle, 29 Holywell St.

Anthropology, 1 yr., The Secy., Committee for A., 40 Broad St.

Forestry, 1 year, The Professor of F., School of F. Open to graduates of Oxford or other Univs.

Rural Economy, 1 yr., The Professor of R.E., School of R.E.

Classical Archæology, 1 yr., Secy. to Committee on C.A., Ashmolean Museum.

Theology, 1 yr., Secy. of Faculties.

Open to Registered Medical Practitioners: Public Health and (also open to Registered Practitioners and to approved Bachelors and Doctors of Med. of Univs. outside the U.K.) Ophthalmology, Dean of the Medical School, University Museum.

Certificates: Surveying or General and Regional Geog., 2 terms, Director, School of Geog.; Physical or Cultural Anthropology, 3 months, The Secy., Committee for A., 40 Broad St.; French or German; Advanced Study and Research (v. p. 216); Training for Social Work, The Secy., Social Training Committee, Barnett House.

The following has been approved as a Society 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.: *Ruskin College*.

COMMISSIONS IN H.M. FORCES, v. Appendix I. Candidates must have resided for 3 yrs. at the Univ. and be in possession of a degree. Office of the Secy. to the Delegacy for Military Instruction—20 St. Michael's St.

INDIAN CIVIL SERVICE. Studies of selected candidates are superintended by a Delegacy.

The Department for the TRAINING OF TEACHERS (address—15 Norham Gardens), established in 1919, is under the general direction of a Delegacy. For staff, see p. 198—Education. For the Univ. Dipl. in Educn. there is a 1 yr. post-grad. course, theoretical and practical. Undergraduates are admissible on certain conditions. One or, under certain conditions, two terms may be spent at a secondary school away from Oxford. Students are also accepted for a 4 yrs.' course (v. Appendix XIX.).

A *vacation course* of 4 weeks (fee £7 : 10s.) is held annually in August, open without restriction to men and women. Students of this course who are graduates and who are teachers with 7 yrs.' experience may obtain the Univ. Diploma without further residence.

SCHOLARSHIPS. College Entrance scholarships are very numerous and valuable. The Univ. scholarships are usually open only to members of

specified standing. Of those open to graduates, 16, of the aggregate value of £1130 p.a., are for Engl., Greek, and Latin; 1 (£100) is for Ment. and Mor. Philos.; 2 (£80) for Maths.; 8 (£1340) for Med. and Nat. Science; 4 (£440) for Law; 3 (£300) for Theol.; 13 (£760) for Oriental Studies. There are several College Research Fellowships tenable by persons distinguished in Science or Lit. (who may be elected without examn.) on condition of prosecuting some definite work.

The General Board of Faculties has power to award studentships for advanced study and research; and there are certain funds, such as the Craven and Ireland, from which grants for the furtherance of particular studies may be made.

The **Rhodes Scholarships** were founded in 1902 under the will of the late Cecil John Rhodes. The value of each is £400 a year, tenable at Oxford for 3 years, subject to approval from year to year by his College of the Scholar's progress and conduct. The conditions of the competition in each country or community are fixed from time to time by the Trustees.

In his will, Mr. Rhodes expressed the wish that "in the election of a student to a Scholarship, regard shall be had to (1) his literary and scholastic attainments; (2) his fondness for and success in manly outdoor sports, such as cricket, football, and the like; (3) his qualities of manhood, truth, courage, devotion to duty, sympathy for and protection of the weak, kindliness, unselfishness, and fellowship; and (4) his exhibition during school-days of moral force of character, and of instincts to lead and to take an interest in his schoolmates."

The Dominions and Colonies. An annual Scholarship is assigned to each Province* of the Dominion of Canada; to each State of the Australian Commonwealth; to the Dominion of New Zealand (2); in South Africa to the Province of Natal, the Transvaal, the Orange Free State, the Cape Province, the S.A. College School in Cape Town, the Diocesan College School of Rondebosch, the Boys' High School, Stellenbosch, and the St. Andrew's College School at Grahamstown, in alternate years to the towns of Kimberley and Port Elizabeth, and not more than three annually to Rhodesia. The Colonies of Jamaica, Newfoundland, and Bermuda have each an annual Scholarship. A single Scholarship was for the first time allotted to the Island of Malta in 1921, and is awarded once in 3 years.

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 will "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. Two Scholarships are assigned under the will to each State. As the Scholarship is tenable for 3 years, there must be for each State 1 year out of every 3 in which there is no election. Of the 48 States, 32 elect each year, the remaining 16 holding no election. The reason given by Mr. Rhodes for founding the American Scholarships is his "desire to encourage and foster an appreciation of the advantages which I implicitly believe will result from the union of the English-speaking people throughout the world, and to encourage in the students from the U.S. . . . an attachment to the country from which they have sprung, but without I hope withdrawing them or their sympathies from the land of their adoption and birth." *The American Oxonian*, the official magazine of the Alumni Assocn. of American Rhodes Scholars, is published quarterly by E. D. Keith, 310 Prospect Street, New Haven, Connecticut.

* Two each to Quebec and Ontario.

Number actually in residence, 1925–26 (whole or part), 188—Studying Law, 54; Nat. Sc. and Med., 42; History, 20; Econ. (Diploma and B.Litt. or D.Phil.), 4; Litt. Hum., 11; Engl., 19; Theol., 5; Maths., 3; School of Phil., Polit. and Econ., 16; other subjects, 14.

Professions followed by Rhodes Scholars since leaving Oxford. Education, 351; Law, 278; Business, Industry, and Mining, 123; Government Service, 57; Medicine, 85; Ministry and Social Work, 43; Farming, 19; Journalism and Publishing, 32; Engineering, 18; Army, Navy, or Air Service, 6; Miscellaneous, 25.

General. Provision is now made under the Trust for the continuous residence at Oxford of between 190 and 200 scholars. 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 years' domicile; and must have at least 2 years' standing at a regular degree-granting College or Univ., except in a few small communities which have no such institution. Detailed information for each country may be obtained from the offices of the Trust, Seymour House, Waterloo Place, London, S.W.1.

Among books dealing with the subject are: *The Rhodes Scholarships*, by Sir G. Parkin, Houghton, Mifflin & Co., Boston, and Constable, London, 1913, and *Oxford of To-day*, a manual for prospective Rhodes Scholars, Oxford Univ. Press, 1922.

Secretary to the Rhodes Trustees—Philip Henry Kerr, C.H., Seymour House, Waterloo Place, London, S.W.1. Local Secretaries: Oxford—F. J. Wylie, Esq., 9 South Parks Road, Oxford; *U.S.A.*—President Frank Aydelotte, Swarthmore College, Swarthmore, Pa.; *Canada*—J. M. Macdonnell, Esq., 153 St. James St., Montreal; *Australia*—J. C. V. Behan, Esq., Warden's Lodge, Trinity College, Melbourne; *S. Africa*—P. T. Lewis, Esq., Court Chambers, Keerom St., Cape Town.

The RHODES TRAVELLING FELLOWSHIPS, founded in 1926, are to enable resident Fellows and Tutors at Oxford to travel, study, or undertake research in the British Commonwealth and the United States, and especially in those territories from which Rhodes Scholars are derived. A candidate must have spent at least 5 years as a resident Fellow in Oxford, and will be expected to return to Oxford and teach there for at least 5 years thereafter. The value of the Fellowship is £100 a month for from 6 to 12 months.

The APPOINTMENTS COMMITTEE, together with its Consultative Committee, contains representatives of every College. It receives notice of (1) scholastic appointments; (2) Government appointments; (3) openings in Banking, Industrial and Commercial firms; (4) miscellaneous posts. The *Secy.* is R. Truslove, M.A., Acland House, 40 Broad St. Telegraphic address—Appointments, Oxford; Telephone, 225 Oxford.

LIBRARIES AND MUSEUMS. The *Bodleian Library*, founded by Sir Thomas Bodley in 1602, which is also the general library of the Univ., contains over 1,250,000 vols. (representing more than 2,500,000 separate literary pieces) and 40,000 MSS. Persons, other than graduates of the Univ., are admitted on presenting a recommendation from some one in a responsible position. The *Manual for Readers* (obtainable from the Librarian) contains full information about the contents and catalogues of the Library. The chief books relating to it are: Macray, W. D., *Annals* (Clar. Press, 1890, 25s.); Clark, A., *Guide for Visitors* (Clar. Press, 1906, 1s. 6d.); Gibson, S., *Some Oxford Libraries* (Clar. Press, 1914, 2s. 6d.); Madan, F., *The Bodleian Library*, London, 1921, 2s. 6d.; *The Bodleian Quarterly Record* (1s. quarterly, obtainable from the Libn.).

Two Bodleian departmental libraries are housed in the Examination

Schools: one of *Law*, the other of *Social and Legal History* (Maitland Library).

The Taylorian Library of *Modern Languages and Literature*, 50,000 vols., comprises the chief philological, literary, and historical works of the principal European languages and nearly all respective Reviews, Literary periodicals, etc., of Continental Societies of importance. The Radcliffe (Univ. Museum) consists very largely of books on Mathematics, Natural Science, and Medicine, and the Tylor *Anthropological* collection.

The Codrington Library (All Souls College) is especially rich in works bearing upon *Modern History and Law*. The Brand Library, also at All Souls, is a collection of books on *Political Economy and Science*. There are also the following: the Beit Library (*Colonial History*) and the Library of the *English School* at the Examination Schools; a *Geographical* Library (5000 vols.) and *Maps* (13,000 sheets) in Mansfield Rd.; and a Library of *Economics and Politics* at Barnett House.

The *Indian Institute* has 60,000 vols. representing ancient, mediæval, and modern India and including also Arabic, Armenian, Georgian, Turkish, Egyptian, Burmese, and Chinese works; Sanskrit and Prakrit MSS. (printed catalogue); all the leading Oriental journals in English, French, and German; and a Museum giving an historical synopsis of Indian life and customs.

The *College Libraries* include many important collections, such as the *Russian and other Slavonic* books, 5000 vols., of Queen's; *History and Literature* MSS. of 17th Century, of Worcester; *Music and Early Scandinavian* collections of Christ Church; the Hastings Rashdall collection of books and pamphlets dealing with the *history of universities*. The MSS. in the College Libraries are described in Coxe's Catalogue, published at the Clarendon Press.

Art and Archæology. The Ashmolean, the earliest English Museum, formed 1600–1650, contains, in addition to a Library of *Art and Archæology*, the Parian and other marbles, Egyptian and Oriental, Classical, Prehistoric, Anglo-Saxon and local antiquities, 60,000 coins and medals (published catalogue of Mohammedan coins), and a special collection of Drawings and Engravings by Ruskin.

The Pitt-Rivers Museum has an *Anthropological* collection illustrating evolutionary history of material arts.

Zoology, *Geology*, *Mineralogy* (17,000 spec.), *Entomology* (Lepidoptera Collection illustrating mimicry, etc.), are all represented in the Univ. Museum.

LABORATORIES: Electrical; Clarendon (chiefly for study and research in Heat, Optics, and Acoustics); Chemistry, Organic and Inorganic (several Colleges have labs. of their own, *e.g.*, Ch. Ch., Magd.—Analyt. Chem.; Ball. and Trin.—Phys. Chem.; Jes.—Inorganic; Queen's); Physiology; Biochemistry; Zoology; Entomology, with extensive Collections and Library; Botany (Garden with Collections and Library); Geology (special equipment for study of fossils by serial sections); Mineralogy (special facilities for research in Crystallography); Engineering; Forestry (expl. plantations and forest garden); Model Farm; Human Anatomy; Pathology and Bacteriology; two *Observatories*.

An *Imperial Forestry Institute* was established in 1924. It is controlled by a Board of Governors representing the Univ. and the Government departments (Colonial Office, Forestry Commission, etc.) concerned. It provides post-graduation and specialized training, as well as revision courses for forest officers already serving, and forms a centre for research in regard to forest production. Practical instruction is provided in various forest centres on the Continent.

There is an Institute for Research in *Agricultural* Economics which has

prepared an Agr. Atlas of England and Wales, published by Ordnance Survey Dept. The Director edits the *Journal* of the R.A.S., England. The *School of Rural Economy* has been recognized by the Ministry of Agric. as an Advisory Centre for a Province which includes 3 counties. A survey of *Rural Industries* of England and Wales was completed by the School of Rural Economy in 1923. An Institute for Research in *Agricultural Engineering* has been provided in Oxford by the Ministry of Agric.

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 certificates—Higher, School, and Lower. The two former exempt the holder, under certain conditions, from Responsions and the Previous Examination, the Matricn. examns. of London and of the Northern English Univs., and the Prelininary examns. of various professional bodies, etc. The Regulations of the Board are published by the Ox. and Camb. Univ. Presses (post free 1s. 3d.). Secretaries: at Oxford—C. H. Wilkinson, M.A., Examination Schools; at Cambridge—T G. Bedford, M.A., 61A St. Andrew's St.

LOCAL EXAMINATIONS are held in March, July, and Dec. at Oxford and elsewhere. Candidates successful in the School Certificate or Higher Local examns., or in the Higher School Certificate examn., are on certain conditions exempted from Responsions. The regns. may be obtained from the Secy. of Local Examns., Merton St. All the examns. are open to persons of both sexes.

EXTRA-MURAL STUDIES. There is a Department for the non-vocational education of adult persons beyond the limits of the Univ. The Delegacy controlling the Dept. has two Committees, one for Univ. Extension Lectures and one for Univ. Tutorial Classes.

Univ. Extension Lectures. The system begun in Camb. was adopted by Ox. in 1878. Up to the end of the session 1925–26 the number of persons attending courses was over 667,000, and the number of students examined 30,380; 22 summer meetings had been held. Reading University partly owes its origin to extension work. The following certifs. are issued under the sanction of the Delegacy: Terminal, on courses of 10 or 12 lectures; Sessional, on 24; Sessional in Honours, implying distinction and a special essay; affiliation or Higher Certif. of Systematic Study, on a sequence of courses comprising 96 lectures *plus* a general examn.; Vice-Chancellor's on same, conditions as affiliation *plus* examn. in Elem. Maths. and 2 languages. The majority of the lectures are on historical, scientific, or literary subjects. Further information can be obtained from the Secy. to the Delegates for Extra-mural Studies, Acland House, Oxford (Rev. F. E. Hutchinson, M.A.). The next (biennial) Oxford Summer Meeting will be in Aug. 1927. The main subject of study will be Shakespeare and the England of his time.

Tutorial Classes are held in working-class districts under the supervision of the above-mentioned Committee. Students pledge themselves to a 3 yrs.' course. The classes meet once a week for 2 hrs. from Sept. to April, and each student writes an essay about once a fortnight. The Organizing Secy. is E. S. Cartwright, M.A., Barnett House, Oxford.

A *Vacation Course for Foreign Students* is held biennially, and will take place in August 1928. An experimental course on more advanced lines (in Mediæval History) for English and American students of history was held in 1924.

PUBLICATIONS. *Calendar* (Nov.), 12s. 6d. net (includes Honours of each year since Oct. 1911. Earlier Honours given in *Historical Register* 1900, 10s. 6d. net, and its *Supplement*, 1900–1920, 10s. 6d. net, giving, in addition

to class lists and Hon. lists, information regarding constitution, university scholarships, offices and their incumbents, etc.). *Responsions* Pamphlet (June), 6d. (Regns. for 1926–28 with dates of examns. and general information); *General Information* (admission, residence, entrance scholarships, examns. for B.A., etc.), 7d. post free; *Statutes and Decrees* (Oct.), 5s. net; *Examn. Statutes* (July), 3s. 6d. net; Pamphlet on *Advanced Study and Research* (Research Degrees, subjects of study, Libraries and Collections, Scientific Departments and Staffs), 1s. net; *Pocket Diary* for academic year (Oct.), 2s. 6d. net and 3s. 6d. net; *Resident Members*, with their addresses, 2s. 6d. net (term); *Medical Degrees and Diplomas*, 6d. net; Decennial Report, 1914–23, on work of *Oxford and Cambridge Schools Examn. Board*, 6d.; *Enactments* in Parliament concerning Ox. and Camb., Winchester, Eton, and Westmr., 2 gs. Oxford Univ. *Roll of Service*, 1920, with names (14,561) and records of members of the Univ. who served in the Mily. and Naval Forces during the War, 15s. net. *Oxford of To-day*, a Manual for Prospective Rhodes Scholars, ed. L. A. Crosby and F. Aydelotte, 1923, 8s. 6d. net. All the above are obtainable from the Oxford Univ. Press and its branches, as is likewise the official *University Gazette* (6d. weekly). The *University Handbook* (last edition, 1917) is out of print. Unofficial periodicals: *Oxford Magazine* (during term), 1s.; *Isis* (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., 1500–1886*, 8 vols., 1887–92; *The Colleges of Oxford*, ed. by A. Clark, 1891; Rashdall (H.), *Mediæval Universities*, 3 vols., 1895; *College Histories*, published by F. E. Robinson & Co.; Wells (J.), *Oxford Degree Ceremony*, 1906 (1s. 6d. net); Headlam (C.), *The Story of Oxford*, 1907 (7s. 6d. net); Mallet (Sir C.), *Hist. of the Univ. of Oxford*, 2 vols., 1924 (£2 : 2s. net).

EXPENSES. "It is not possible to make any general estimate of the cost of a University course, which varies at different colleges, 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 total cost of living in college might perhaps be estimated at about £60 a term for a man who exercises reasonable care in his expenditure. At Keble College there is a fixed annual charge (at present £150), covering tuition, the rent of furnished rooms, board, and service. The necessary expenses of a non-collegiate student have been estimated at from £90–£100 per annum, inclusive of board, lodging, fees, and subscription. At the residential Societies for Women Students an inclusive terminal fee is charged. This is about £50 a term, but varies slightly at the different Societies."—Extract from *General Information* pamphlet mentioned in preceding paragraph. The items specified are:—(1) Annual: Univ. dues, £4 : 10s.; College tuition fee, £24 to £31 : 10s.; room rent, £15 to £18; hire of furniture, £6; College clubs, £6; rates and taxes on the rooms occupied, College dues and establishment charges and servants' wages, kitchen and buttery bills, fuel, laundry, lighting, etc. (amounts not separately estimated). (2) Initial: matricn., £4; College admission fee (usually £5); College caution-money, £10 to £30 (returned when name is removed from the books, and often in part on taking a degree). (3) Occasional: examn. fees, about £9 for B.A. (exclusive of Responsions, £3); degree fees (B.A., B.Litt., or B.Sc., £7 : 10s.).

What has been stated above regarding the difficulty of estimating expenses at Oxford applies equally to Cambridge. The *Student's Handbook to Cam-*

bridge, 1924–25 (Cambridge University Press, 7s. 6d.), deals with the subject of expenses very fully, and concludes with the following remarks: "The total annual expenditure of a student, *exclusive of initial, occasional, and additional expenses*, may be fairly estimated at about £235, although on the one hand it is possible by great care to live upon less, and on the other hand a larger expenditure will often enable the student to obtain greater advantages from a University career. . . . It is of the utmost importance that the foregoing estimates should not be taken for more than they are worth. . . . The only safe guide to a student's expenditure is information supplied by the college itself at which he decides to enter." The detailed statements on which the above estimate of annual expenditure is based include "guesses" as to personal expenses which the Oxford estimate leaves out of account. The items are :—Univ. fees (capitation tax), £5 : 5s.; College fees, £54 (tuition, £24 to £30; establishment charge, £18 to £21; College dues, £4 to £10); board and lodging, £110 (rooms and service, £21 to £50; food expenses, £38 to £87; fuel, £5 to £7; laundry, £4 : 10s. to £9); personal expenses, £67 (books, travelling, tradesmen—including tailor, etc., clubs, and societies). The excluded initial expenses are caution-money, College admission fee (£2 to £5), matricn. £5, furniture, linen, china, etc., and (£2 to £4 : 10s.) cap, gown, and surplice. The "occasional" fees are for examns. £8 (medical, £16 : 8s.), and degree fees, £5. The "additional" expenses (which may be heavy, especially if much private tuition has to be allowed for) are additional lecture and laboratory fees, long vacation expenses, and private tuition.

THE YEAR 1925–26

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. For the following summary of the most noteworthy changes embodied in them the Editor is indebted to Sir Henry Sharp, K.C.I.E., the Secretary to the Commission.

I. THE UNIVERSITY.—*Governing Bodies.* The composition of some of the governing bodies of the University has been modified. Residence alone no longer qualifies a member of Convocation for membership of Congregation. The eighteen elected members of the Hebdomadal Council are now chosen without any limitation of classes (*i.e.* Heads of Colleges and Professors). Representatives of the Council are now included in the General Board of the Faculties; and the representatives of the Faculties thereon are elected no longer by individual Faculties, but by the collective votes of two groups of Faculties (Literary and Scientific). Changes in the composition of the body of Curators of the Chest likewise secure greater influence to the Hebdomadal Council.

Legislation. The legislative power of Convocation has been reduced to one of postponement. The adoption of a proposal by not less than two-thirds of the members of Congregation present and voting is sufficient to confirm the proposal as a Statute or a Decree. If adopted only by a smaller majority, the proposal is laid before Convocation, and if then rejected, may after an interval be brought again before Congregation and is then made operative by a bare majority. (Decrees of minor importance, even if passed by a bare majority in Congregation, are not brought before Convocation.)

The power of initiative vested in the Hebdomadal Council has been strengthened by depriving the General Board of the Faculties of the right to introduce proposals in Congregation; but provision is made for reference to

a joint Committee in cases where the Council refuses to put forward proposals recommended by the General Board.

Organization of Teaching and Research. The composition of the Boards of Faculties has been modified and their functions defined. The position of Inter-Collegiate Lecturers is further recognized by the creation for them of a number of University Lectureships carrying stipends. The definitions of the duties of Professors have been made more elastic.

Entrance Examination. No candidate may now be admitted to matriculation unless he has passed a qualifying examination or has obtained special exemption.

Pensions. All teachers and officers of the University are brought within the Federated Superannuation System for Universities, and ages of retirement have been fixed.

Other Points. The development of Extra-Mural teaching is encouraged by grants and a more suitable organization. Additional grants are also made for the Non-Collegiate Body.

II. The Colleges. *Fellowships.* Categories of Fellowships (according to duties, etc.) have been laid down. A certain proportion of Official Fellowships is reserved for teachers or officers engaged in University work; University Professorships are attached to College Fellowships, and distributed among Colleges in a ratio which is generally dependent on the total number of their fellowships. Age-limits are fixed for Heads of Colleges and Fellows; the scales of stipends have been revised.

Scholarships and Cost of Living. The stipends attached to open Scholarships have been placed upon an eleemosynary basis. An advisory Committee has been established for the furtherance of this principle; and, in conjunction with the Board of Education, a scheme has been formulated for the co-ordination of assistance for needy students drawn from various sources. A single age-limit for the winning of Scholarships has been laid down. Arrangements have been made for the examination of catering accounts and for economy in living-expenses. The system of general accounts has been overhauled.

Pensions. The provision of pensions is made universal; and almost all Colleges have been brought within the Federated Superannuation System for Universities.

Contributions. The Statute governing the large contributions made by Colleges for University purposes has been altered so as to produce a more equitable incidence of taxation and slightly to increase the amount so contributed.

Women's Colleges. In view of the grant now made to Women's Colleges, certain alterations have been necessitated in the University Statutes; and (though this did not form one of the Royal Commission's recommendations) Royal Charters have been granted to them.

III. General Result. These changes tend to place a larger measure of authority in the hands of the Hebdomadal Council and to produce closer co-ordination among the governing bodies of the University; to organize the teaching arrangements on a more satisfactory basis; to facilitate the admission of poor students; and, without infringing the autonomy of Colleges, to place them in closer touch with the Professoriate, regularize admissions of undergraduates, utilize Scholarship funds where they are needed, and economize the resources of the Colleges and of undergraduates.

Benefactions. Cassel Educational Trust, £10,000 to the Society of Oxford Home Students: Constance Jenkinson bequest, £2216 for lectureship

in Embryology; Mrs. Noble, £800 for Scholarship (De Paravicini) in Latin; Sir Sidney Lee bequest, copyright of his *Life of Shakespeare.*

LEGISLATION. The passing of an Entrance examn. was made a condition of admission to matriculation for all but certain classes of students and those to whom special dispensation may be granted by a committee constituted for the purpose. By the division of the Faculty of Mediæval and Modern Languages into English Language and Literature and Mediæval and Modern European Languages other than English, and by the division of the Faculty of Natural Science into Physical Sciences (including Mathematics) and Biological Sciences, the number of Faculties was increased to ten. See also note above on the New Statutes.

STATE GRANT. The Royal Commission was of opinion that a State grant of £110,000 a year was necessary for meeting the most pressing needs of the Univ. The annual Government grant was, however, increased only from £60,000 to £85,000 (exclusive of the old department grants), and practically the whole of the latter sum has been allocated to specific purposes. The great bulk of the expenditure is upon objects directly recommended in the Royal Commission's report, *e.g.* additions to the stipends of Professors, Readers, Demonstrators, etc.; the creation of a pension scheme under the Federated Superannuation System for Universities; further support for the Bodleian Library and the Ashmolean Museum; the extra-mural activities of the University; Women's Colleges; the encouragement of research by the establishment of Senior Scholarships and grants for young University teachers; assistance to Non-Collegiate Students (including the Society of Oxford Home-Students); and the development of the English and Modern Languages Schools.

A CECIL RHODES MEMORIAL LECTURESHIP was established by the Rhodes Trustees, to be awarded to a man or woman, usually residing outside Britain, of outstanding distinction in public life, science, scholarship, letters, or business. The Fellow will give two or more public lectures and reside in Oxford for at least one whole term. Sir Robert Borden will be the first Rhodes Lecturer. After the close of the year a scheme for RHODES TRAVELLING FELLOWSHIPS was brought into operation.

RESEARCH STUDENTSHIPS. Provision was made (from a Government grant for senior studentships) for awarding annually two of £250 p.a., each tenable for 2 years.

ALLOWANCE IN LIEU OF FEES. The payment of £200 a year to heads of scientific departments was sanctioned on condition of waiving their right to retain students' fees.

LIBRARY ACCOMMODATION. Alternative solutions of the urgent problem of how to provide for the annual accessions, 20,000 to 25,000 volumes, to the Bodleian, were discussed without reaching a decision. The *Friends of the Bodleian* Society was formed.

A DEPARTMENT OF SPANISH STUDIES endowment fund was established.

THE WOMEN'S COLLEGES. Royal Charters were granted to Lady Margaret Hall, Somerville College, St. Hilda's Hall (now St. Hilda's College), and St. Hugh's College. St. Hugh's received intimation of a bequest of £36,000 by the late Miss Allen.

THE CATHOLIC WORKERS COLLEGE was recognized as a society for higher study, members of which (like those of Ruskin College) may be Diploma Students.

HONORARY DEGREES. *D.C.L.*—J. Wells, J. H. Whitley, Marquess of Salisbury, Duchess of Atholl, Marquess of Reading, Earl of Cavan, Viscount Dunedin, Lord Forster, Lord Dawson of Penn, Lord Ernle, Lord Hewart, Sir Austin Chamberlain, Sir James Craig, Sir John Simon, Sir Hugh Trenchard, Sir Charles Oman, Sir Francis Dicksee, Rev. L. R. Phelps, Sir George Wills, Miss E. Penrose. *D.Sc.*—A. C. Seward, Sir Wm. H. Bragg, Sir Walter Fletcher, Niels Bohr, Abbé Breuil, Sir Frank Dyson, A. S. Eddington, Sir Daniel Hall, H. F. Osborn, Sir Edward Sharpey-Schafer, F. E. Smith, Sir Josiah Stamp, Vito Volterra, W. Wien. *D.Litt.*—Sir James Barrie, Sir Henry Newbolt, Dr. E. Legouis, T. F. Tout, T. Zielinski, Elie Halévy, Major G. H. Putnam, Sir Henry F. H. Thompson, J. Wright. *D.Mus.*—Dame E. M. Smyth, Sir Henry J. Wood, C. Wood, J. B. McEwen. *D.D.*—J. H. Ritson. *M.A.*—J. W. Munro, H. M. Steven, Major J. G. W. Clark, J. Burtt-Davy, R. N. Chrystal, Edith J. Morley, T. J. Wise, C. N. Seddon, E. H. Bellamy, H. M. Lodge, J. E. Wheal, G. Edens. *M.A.* by decree—Major-Gen. Sir Ernest Swinton, R. McN. McElroy, J. A. S. Watson, Eliz. A. Francis, G. E. K. Braunholtz. *D.C.L.* by diploma—The King of Spain.

PROFESSOR EMERITUS: Wm. Somerville, Sibthorpian Prof. of Rural Economy, 1906 to 1925.

SPECIAL ANNUAL LECTURES. The Romanes Lecture was given by Dr. G. M. Trevelyan on "The Two-party System in English Political History"; the Sidney Ball by Lord Hugh Cecil, on "Natural Instinct the Basis of Social Institutions"; the Herbert Spencer by Dr. W. R. Sorley, on "Tradition"; the Frazer (delivered annually at the Univs. of Oxford, Cambridge, Glasgow, and Liverpool in turn) by Prof. A. Moret, of the Collège de France, on "Le Dieu qui meurt, en Egypte"; the Sir Basil Zaharoff by Prof. H. Delacroix, of the Sorbonne, on "La Psychologie du Langage"; the Halley by G. M. B. Dobson, on "The Uppermost Regions of the Earth's Atmosphere"; the Taylorian by Dr. Emile Legouis, Prof. at the Univ. of Paris.

VISITORS FROM ABROAD. The seminar class of the late Sir Paul Vinogradoff, Prof. of Jurisprudence, was continued during four weeks by Prof. G. Le Bras of Strasbourg. Lectures were delivered by (among others) Profs. Martin Dibelius (New Testament Exegesis), of Heidelburg; Zielinski, of Warsaw; Ispir, of Bucharest; E. de Martonne, of Paris; T. H. Reed, of Michigan; Salvemini, of Florence; R. B. Merriman, of Harvard.

DEATHS. F. J. Hall, 24.8.25; E. G. Hardy, 26.10.25; T. Case, 31.10.25; Sir Paul Vinogradoff, 19.12.25; Sir Sidney Lee, 3.3.26; W. J. Lewis, 16.4.26; W. A. B. Coolidge, 8.5.26; B. P. Grenfell, 18.5.26; Sir T. E. Holland, 24.5.26; F. D. Morice, 21.9.26.

STUDENTS. Full-time: total, 4353 (including 820 women); graduate students, in Arts and Pure Science 214 (w. 37), in Medicine 4 (w. 2); other faculties 4 (w. 1); preparing for first degree, in Arts, etc. 3654 (w. 681), Med. 94 (w. 12); other faculties 129 (w. 2); other full-time students 254 (w. 85). Resident in colleges or hostels, 2483 (w. 479). Students from abroad, 533. Matriculations 1544 (w. 324).

Extra-mural tutorial classes 24, advanced classes 3, preparatory 6. Average attendance, 462.

University extension lectures 593, distributed in 94 courses at 68 centres, regularly attended by over 9000 persons. Of these courses 24 were in History, 44 in Literature, 2 in Economics, 4 in Art and Archæology, 12 in Natural Science, 7 in Music, 1 in Political Science.

The sixth Vacation Course for Foreign Students was held in Aug. 1926,

and was attended by 261 students (118 men and 143 women), who came from 21 European countries and from Japan (11 men). The largest numbers came from Germany, Austria, Switzerland, and Holland. The postponement of the course to a later date on account of the British Association meeting adversely affected the attendances from the Scandinavian countries which have generally supplied a large number of students. Finland, Poland, and the Baltic States were all represented. 59 students took the general examn., 8 of them receiving Distinction, and 15 took the examn. in Phonetics, 5 receiving Distinction.

DEGREES (other than honorary). D.D., 3; D.C.L., 1; D.M., 5; M.Ch., 1; B.D., 2; B.C.L., 23; B.M., 32 (women 4); D.Sc., 2; D.Phil., 11 (w. 1); B.Litt., 33 (w. 3); B.Sc., 9 (w. 1); M.A., 571 (w. 65); B.A., 1043 (w. 215); D.Mus., 3; B.Mus., 5.

UNIVERSITY OF READING

VISITOR—H.M. THE KING.
CHANCELLOR—J. H. BENYON, M.A., Lord-Lieutenant of Berkshire.
PRESIDENT OF THE COUNCIL—ALFRED PALMER.
VICE-CHANCELLOR—W. M. CHILDS, M.A.
TREASURER—Sir WILLIAM A. MOUNT, Bart., C.B.E., M.A.
REGISTRAR—The Rev. F. H. WRIGHT, M.A.
DEANS OF FACULTIES. See under "General Information"—Faculties.
TUTORIAL SECRETARY—H. KNAPMAN, M.A.
LIBRARIAN—S. A. PEYTON.
BURSAR—J. S. SIMPSON, B.Sc.

PROFESSORS, LECTURERS, ETC.

Agriculture, etc., v. *infra*

Art (Department of Fine Arts)
Seaby, A. W. Prof.
8 Teachers and an Asst. in Drawing and Painting, Design, Modelling, Handicrafts.

Botany, v. also Agr.
Stiles, W., M.A., Sc.D. Camb. Prof.
Saxton, W. T., M.A. Camb., F.L.S. Lectr.
Prankerd, Theodora L., B.Sc. Lond., F.L.S. Lectr.

Chemistry, v. also Agr. [Prof.
Bassett, H., D.Sc. Lond., Ph.D. Mun., D. ès Sc. Nancy, F.I.C.
Dodgson, J. W., B.Sc. Lond., A.I.C. Lectr.
Maxted, D. R., B.Sc. Lond., A.R.C.Sc. Lectr.
Durrant, R. G., M.A. Ox. Lectr.
A Teacher of Gas-Fitting and Gas Supply

Classics
Ure, P. N., M.A. Camb. Prof.
Haigh, W., M.A., B.Sc. Lond. Lectr. (in German also).
Toynbee, Jocelyn, M.A. Camb. Lectr.
Whitfield, Miss V., B.A. Ox., M.A. Dub. Lectr.
Ure, Annie D., B.A. Lond. Hon. Research Fellow.

Commerce
Taylor, H., F.L.A.A. Lectr.
Coman, Grace Asst. Lectr.
2 Assts.

Dairying, v. *infra*

Domestic Subjects
Wood, Mrs. E. May Lectr. in charge of Dept.
3 Assts. and a Teacher of Dressmaking and Needlework.
1 Sessional Lectr. in Hygiene.

Economics
Buer, Mabel C., B.Sc. (Econ.) Lond. Lectr.

Education [Sen. Lectr.
Cooke, H. S., M.A. Ox. and Cape.
Campbell, Isabella E., M.A., B.Ed. Edin. Lectr.
Etty, J. L., M.A. Ox. Lectr.
Glason, J. A., M.B.E., B.A. Lond. Lectr.
Smith, E., B.Litt. Ox., M.A., B.Sc. Liv. Lectr.
Walker, Alice H., A.R.C.O. Lectr.
Wolters, A. W. P. (v. Psychology) Lectr.
3 Instrs. in Physical Training.

English Language & Lit. [Prof.
Dewar, R., M.A. Glas. (E. Lit.)
Morley, Edith J., Hon. M.A. Ox. (E. Lang.) Prof.
Dyson, H. V. D., B.Litt., M.A. Ox. Lectr.
Taylor, G., B.A. Leeds Lectr.

French [Prof.
Desseignet, J., Ag. de l'U. Paris.
Paton, Dora A., M.A. Ox. Lectr.
Salmon, Yvonne M., L. ès L. Lectr.
A Sessional Asst.

Geography
Gilbert, E. W., M.A. Ox. Lectr. (Historical G.).
Miller, A. A., M.Sc. Lond. Lectr. (Physical G.).
Morris, W. F., B.A. Lond. Asst. Lectr.

Geology
Hawkins, H. L., D.Sc. Manc., F.G.S. Prof.
Dwerryhouse, A. R., D.Sc. Leeds, M.Sc. Manc., F.G.S. Lectr.

German, v. also Classics
Norman, F., M.A. Lond. Lectr.

History, Modern
Stenton, F. M., M.A. Ox. Prof.
The Vice-Chancellor Hon. Prof.
Sacret, J. H., M.A. Ox. Lectr.
Stenton, Mrs. F. M., B.A. Lond. Lectr.
Peyton, S. A. Asst. Lectr.

Mathematics
Neville, E. H., M.A. Camb., B.Sc. Lond. Prof.
Ashcroft, Lucy, M.A. Dub. Lectr.
Clatworthy, J. P., B.Sc. Lond. Lectr.
Ternouth, Elsie J., M.A. Glas. Lectr.
Broadbent, T. A. A., B.A. Camb. Lectr.
Bowler, F. T., B.Sc. (Eng.) Lond., A.M.I.C.E. (Applied Mech.) Asst. Lectr.
3 Teachers of Machine Drawing and Applied Mechanics.

Music
Allen, Sir Hugh P., M.A. Camb., D.Mus. Ox. Visitor of Dept.
16 Teachers.

Philosophy
de Burgh, W. G., M.A. Ox. Prof.
Ward, S. B., B.A. Ox. Lectr.

Physics
Crowther, J. A., M.A., Sc.D. Camb., F.Inst.P. Prof.
Bond, W. N., M.A. Camb., D.Sc., B.Sc. (Eng.) Lond., A.R.C.Sc., F.Inst.P. Lectr.
Pearson, R. L., A.M.I.E.E. Lectr.

Psychology
Wolters, A. W. P., M.A. Lond. (also Lectr. in Educn.) Lectr.

Spanish [Teacher.
Edwards, P. C., M.A. Camb.

Vet. Hygiene, v. Agric.

Zoology
Cole, F. J., D.Sc. Ox., F.R.S. Prof.
Eales, Nellie B., D.Sc. Lond. Lectr.
A Museum Asst.

Agriculture and Horticulture

Agriculture
Pennington, S., B.Sc. Edin., M.R.C.V.S. Prof.
Campbell, K. W. D., B.Sc. Durh. Lectr.
King, J. S., B.Sc. (Agr.), B.Sc. (Econ.) Lond. Lectr. (Agric. Economics).
An Instr. in Poultry.
County Organizer and 4 Instrs. for Berkshire.

Agr. Bacteriology, v. also Dairy B.
Mason, Grace H., N.D.D. Lectr.

Agr. Botany [Prof.
Percival, J., Sc.D. Camb., F.L.S.
Erith, Adela G., B.Sc., Ph.D. Lond. Lectr.
1 Demr.

Agricultural Chemistry
Neville, H. A. D., M.A. Camb., B.Sc. Lond., F.I.C. Prof.

Murray, J. A., B.Sc. Edin. Lectr.
Nicholson, H. H., M.A. Camb. Lectr.
Thompson, J., Ph.D. Heid., F.I.C. Analyst.
Harris, E. T., M.A. Camb., F.I.C. Demr., etc.
Davies, W. L., Ph.D. Camb., M.Sc. Wales, N.D.A., A.I.C. Advisory Officer.

Building Construct., etc.
Hitchins, W. W., L.R.I.B.A., P.A.S.I. Lectr.
1 Asst.

Dairying
Todd, A. Lectr.

Dairy Bacteriology
Williams, R. Stenhouse, M.B., C.M., B.Sc. Edin., D.P.H. Camb. Research Prof.
Mattick, A. T. R., B.Sc. Lond. Lectr. (Dairy Hygiene).
Maddock, E. C. G., C.I.E., M.D., Ch.B. Edin., D.P.H. Camb., D.T.M. Liv. Hon. Research Fellow.
2 Assts.

Dairy Chemistry
Golding, J., F.I.C. Research Chemist.
Mattick, Mrs. E., M.Sc., Ph.D. Bris. Asst. for Research.

Dairy Farming
Mackintosh, J., O.B.E., N.D.A., N.D.D. Lectr.
1 Asst., 2 Instrs.

Economic Entomologist
Mosley, F. O., F.L.S.

Economic Mycologist
Buddin, W., M.A. Camb.

Horticulture
Cobb, A. J. Lectr. and Instr.
3 Assts.

Machinery
Passmore, J. B., B.Sc. Lond. Lectr.

Veterinary Hygiene
Male, G. P., M.R.C.V.S. Lectr.

University Extension

Tutors, 3.
Thomas, A. S., B.Sc. Lond. Demr.

British Dairy Institute (occupying a building on the University site and controlled by a committee representing the British Dairy Farmers' Assocn. and the University). Manager and Chief Instructor—A. Todd. 2 Asst. Instrs.

The National Institute for Research in Dairying, Shinfield, near Reading, established by the Ministry of Agric. and Fisheries in 1912, forms part of the University. It is governed by a Board consisting of representatives of the Ministries of Agric. and Health, R.A.S. of England, British Dairy Farmers' Assocn., Nat. Farmers' Union, etc. It has three Depts.—Dairy Bacteriology, Dairy Chemistry, and Dairy Husbandry.

GENERAL INFORMATION

Based upon the local Oxford University Extension Centre and the local Schools of Science 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 University College. In 1904 and 1905 it received endowments of land and money (£30,000) from the Palmer family. In 1908 Lady Wantage endowed Wantage Hall as a residence for 78 men students, thus giving an important impetus to the already declared policy of the Council to make residence in a Hall the rule and not the exception. In 1911 an Endowment Fund of £200,000 was subscribed by the aforesaid benefactors. The University dates from March 17, 1926, when a Royal Charter was granted.

LIBRARY, 40,000 vols., including Overstone collection (7500 vols.) of books on Polit. Econ. (pubd. before 1850), English and French thought during eighteenth century, and topography (especially Northamptonshire); 10,000 pamphlets. 136 periodicals are received. MUSEUMS: Zool. and Hist. and Archæol. LABORATORIES: Bot., Chem., Geol., Physics, Psych., Zool. Fine Art Studios. School of Music. Gymnasium. Two farms (359 and 141 acres) and Horticultural Station.

FACULTIES: (1) Letters, (2) Science, (3) Agric. and Horticulture (associated with which are the National Inst. for Research in Dairying and British Dairy Inst.).

DEANS: (1) Prof. de Burgh (Philos.); (2) Prof. Bassett (Chem.); (3) Prof. Neville (Ag. Chem.).

DEPARTMENTS: Fine Arts, Music, Domestic subjects.

ADMISSION. Candidates for Degree courses must matriculate before admission (see Appendix XXI., p. 656). Entrance examn. for Diploma courses in Agric., Dairying, Hortic., Domestic subjects.

DEGREES: B.A., M.A., D.Litt.; B.Sc., M.Sc., D.Sc.; B.Sc. (Agric.), B.Sc. (Dairying), B.Sc. (Hortic.); Ph.D. The M.Sc. and D.Sc. are obtainable in the Faculty of Agriculture and Horticulture as well as in the Faculty of Science. The Senate may decline to admit to a degree course a person whose place of residence during term is at too great a distance from Reading, and the degree of Bachelor may not be granted to a candidate whose record as a student of the University is not deemed satisfactory.

The Charter provides that degrees representing proficiency in technical subjects shall not be conferred without proper security for testing the scientific or general knowledge underlying technical attainments.

An *oral examination* forms part of the Final examn. for a B.A. degree with honours, except in Mathematics, and, at the discretion of the Examiners, may form part of the Intermediate or of the Final Examn. for a Pass B.A. degree, or of the Intermediate or Final Examn. for the B.Sc. In the Final Examn. for the B.Sc. candidates are examined upon either a *General Course of study* (3 subjects) or a special course; honours can be obtained in either case. The Final Examn. (Special) is ordinarily taken after passing the Final Examn. (General). The course for the degree with honours extends over 4 years in Agriculture and in certain cases in Arts and in Science.

UNIVERSITY DIPLOMA COURSES are as follows: 2 yrs.—Agric., Commerce, Dairying, Domestic subjects, Educl. Handicrafts, Hortic., Letters; 3 yrs.—Fine Art, Music, Distinction in Agric., Dairying, Domestic subjects, or Hortic. Univ. Diploma Course (post-graduation) in Education (1 yr.).

OTHER COURSES for Univ. Certifs. in Agric., Dairying (6 mos.), Commerce, Domestic subjects, Geography, Horticulture, Secretarial subjects (1 yr.), Fine Art, Metal Work, Wood Carving, Embroidery, Leather Work, Weaving, Writing and Illumination (2 yrs.), Dairy Factory Management, Poultry-keeping (10 weeks); for the Pre-Medical examn. of the R.C.P. and R.C.S. (1 yr.), British Dairy Farmers' Assocn. examns. (6 mos.), L.R.A.M., A.R.C.M., etc.; Special course in Illustration.

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, and (unless specially exempted) undergoes an annual examn. ("Easter Collections") at end of Lent term.

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 after Oct. 3. Vacations of 4 weeks at Christmas and 5 weeks at Easter.

RESIDENCE. All students following full courses of day study, unless residing with parents or guardians, are ordinarily required to reside in a University Hall of Residence. There are two Halls (Wantage and St. Patrick's) for men, and four (St. Andrew's, Wessex, St. George's, and Cintra Lodge) for women 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.

SCHOLARSHIPS OPEN TO GRADUATES. Offered from time to time by the Univ.—£100; "Ernest Ridley"—£40 plus tuition fees, for one year, renewable for a second year.

FEES. For Tuition: Degree or Diploma course—Arts, £25 p.a., Sc., £30 p.a. (Dairying, £35 for 1st, £41 for 2nd year; Fine Arts, £18); Certif. course—£18 to £30.

EXPENSES. Total average necessary yearly expenses (excluding travelling, clothing, and personal laundry) about £120 p.a., namely: (i.) Registration, matriculation, cap and gown, instruction, examination, and graduation, average £38 p.a. for a degree student; for diploma or certificate student somewhat less. (ii.) Maintenance, including board and lodging in Halls or lodgings and sanatorium fee, maximum for 30 weeks about £77 for a man and £69 for a woman student. (iii.) Personal, including subscription to Union (3 gs. p.a.), and cost of books and stationery, widely variable, say £6 p.a.

Courses of lectures open to the public are ordinarily charged for at 15s. per term (30s. per session) for each subject (one hour per week).

STUDENT ORGANIZATIONS: Students' Union and Representative Council. An Old Students' Association meets annually at the Univ. at Whitsuntide.

UNIVERSITY EXTENSION, ETC. Agriculturists are helped by correspondence, visits, local lectures, examination of diseased plants, etc. Evening classes are held in Machine and Building Constn., Builders' Quantities, and most of the subjects in which Day courses are provided. Tutorial classes are held in connexion with the W.E.A.

PUBLICATIONS. *Calendar*; General Prospectus (including illustrations and plans); Departmental Prospectuses (Degree courses, Training of Teachers, Diploma courses in Letters and Educational Handicrafts, Commerce, and Secretarial, Agriculture, etc., Fine Arts and Handicrafts, Music, Domestic subjects); Scholarships and Exhibitions; Guide to Evening Classes, 2d.; *The New University of Reading: some Ideas for which it Stands*, by Principal W. M. Childs, 1926.

THE YEAR 1925–26

On March 17, 1926, a Royal Charter, constituting and incorporating University College, Reading, as the University of Reading, was received. On Aug. 4, 1926, an Act to dissolve the College and to transfer all its property and liabilities to the Univ. received the Royal Assent.

BENEFACTIONS. A piece of woodland adjacent to Wantage Hall of Resi-

dence for men was presented by Mrs. G. W. Palmer, together with a cheque for £100 to cover the cost of fencing. The whole equipment of furniture at St. Andrew's Hall for 130 women students was presented to the Hall by Mr. Alfred Palmer. Nearly £1000 was subscribed towards purchase of additional land for St. Patrick's Hall. The Mayor of Reading presented a silver Mace to the Univ.

NEW BUILDINGS, ETC. Erection of an Agricultural Machinery Hall for exhibition and demonstration purposes, with a floor capacity of 2400 sq. ft., was begun. Purchase of 22¼ acres of grassland near St. Patrick's Hall of Residence for men students was sanctioned.

OTHER DEVELOPMENTS. The department of Geography was reorganized and 2 full-time lecturers appointed—for Physical and Historical Geography—in place of 2 part-time lecturers.

STUDENTS. Full-time: total, 543 (including 384 women); graduate students, in Arts and Pure Science 9 (women 6), Agric. 3; preparing for a first degree, Arts, etc. 259 (w. 189), Agric. 21 (w. 5), Hortic. 9 (w. 7); other full-time students, Arts, etc. 146 (w. 117), Agric. 89 (w. 38), Technology 22 (w.). Resident in hostels, 407 (w. 278). Students from abroad, 15. Extra-mural students in Arts, etc. 29 (w. 11), Agric. 5 (w. 3). Degrees obtained: First degrees, 82 (w. 53); higher, 1 (w.).

THE UNIVERSITY OF SHEFFIELD

VISITOR—H.M. THE KING.

CHANCELLOR—The Most Hon. the MARQUESS OF CREWE, K.G.

PRO-CHANCELLORS—Lt.-Col. H. K. STEPHENSON, D.S.O., LL.D., D.L.; Sir WM. E. CLEGG, C.B.E., LL.D.

VICE-CHANCELLOR—Sir W. HENRY HADOW, C.B.E., M.A., D.Mus., LL.D.

TREASURER—W. N. DREW, A.R.S.M., M.I.Chem.E.

DEANS OF FACULTIES. See under "General Information"—Faculties.

REGISTRAR—W. M. GIBBONS, O.B.E., M.A.

LIBRARIAN—A. P. HUNT, B.A.

PROFESSORS, LECTURERS, ETC.

Anatomy [A. Jackson Prof.
Patten, C. J., M.A., M.D., Sc.D. Dub., F.R.A.I.
Cobb, J. H., M.B., B.S. Lond., M.B., Ch.B., F.R.C.S. (also Lectr. in Surg. Anat.) Lectr.
Naish, Mrs. Lucy, M.B. Lond. (Osteology) Lectr.
3 Demrs.

Architecture
Harrison, H. St. J., A.R.I.B.A. Lectr.
Leighton, H. B., A.R.I.B.A. Asst. Lectr.
1 Hon. Lectr. for Evening Courses.

Art, v. Civic

Biology, v. Zool. and Botany

Botany [Lectr.
Bentley, B. H., M.A. Ox., F.L.S.
Lind, Edna M., B.Sc. Ph.D. Liv. Asst. Lectr.

Chemistry
Wynne, W. P., D.Sc. Lond., F.R.S., F.I.C. Firth Prof.
Tryhorn, F. G., M.Sc. Liv. (Phys. C.) Lectr.
Bennett, G. M., M.A. Camb., B.A., Ph.D. Lond. Lectr. (Organic C.).
Turner, Emily G., M.Sc. Asst. Lectr.
Bennett, Dorothy M., M.Sc. Asst. Lectr.
Smith, T. B., B.Sc. Lond. ,, ,,
Chapman, A. W., M.Sc. Lond. Demr.
Wyatt, W. F., M.Sc. Demr.

Civic Art
..... Prof.

Classics
Forster, E. S., M.B.E., M.A. Ox., F.S.A. (Greek) Prof.
Summers, W. C., M.A. Camb. (Latin) Firth Prof.
Whitehead, Florence, M.A. Manc. Lectr.
Tredennick, G. H. P. P., B.A. Camb. Lectr.

Dentistry, v. *infra*

Economics
Knoop, D., M.A. Manc. Prof.
Dobbs, S. P., B.A. Camb. Lectr.
Jones, G. P., M.A. Liv. Lectr.

Education

Turnbull, G. H., M.A. Liv., Ph.D. Bonn — Prof.
Vickers, W., M.Sc., M.Ed. Manc. — Lectr.
King, Etheldreda, B.A. Lond. — Lectr.
Bone, Woutrina A., B.A. — Lectr.
Bradford, E. J. G., M.Sc. Lond. — Lectr.
Thompson, J. Ridley, M.Sc. Durh. — Lectr.

Engineering, Civil

Husband, Joseph, M.Eng., M.I.C.E., M.Am.Soc.C.E., M. French S.C.E., F.R.C.Sc.I., M.I.Struct.E. — Prof.
Snelgrove, E. C., M.I.Struct.E., M. French S.C.E. — Lectr.
Jenkins, J., B.Sc.Eng. Belf. — Asst. Lectr.

Engineering, Elec. [Lectr.

Wall, T. F., D.Sc. Vict., D.Eng. Liv., M.I.E.E., A.M.I.C.E.

Asst. Lectrs.:

Hainsworth, C. H., A.M.I.E.E.
Hunt, F. O., A.M.I.E.E.
Joyce, T. C., B.Sc. Lond. & Bris., A.M.I.E.E. — Asst. Lectr. & Demr.

Engineering, Mechanical [Prof.

Lea, F. C., O.B.E., D.Sc. Lond., M.I.C.E., M.I.M.E., A.R.C.S.
Boulden, F., B.Sc. Lond., M.Eng., M.I.Mech.E., A.M.I.C.E. — Senr. Lectr.
Kershaw, J. W., M.Sc. Manc., M.Eng. — Senr. Lectr.
Hibbins, W. G., B.Sc. Lond., B.Eng., A.M.I.C.E. — Lectr.
Waite, C. W., B.Sc. Lond. — Lectr.
Davies, H. J., B.Sc. Lond. — Lectr.
Chappell, A. J., B.Sc. Lond., A.M.I.C.E. — Asst. Lectr.
Burnet, W. — Asst. Lectr. & Demr.
Turner, F. C., M.Eng., A.M.I.E.E., A.I.Struct.E. — Asst. Lectr. & Demr.
Gulliver, G. C. — Demr.

Engineering, Mining

Statham, I. C. F., B.Eng., M.I.Min.E., F.G.S. — Prof.
Bevan, E. — Lectr.
Sinclair, J., M.Eng. — Lectr.
Cooke, W. E., M.Eng., F.G.S. — Research Asst.

English Lang. and Lit.

Evans, B. I., M.A. Lond. — Prof. (Eng. Lit.).
Jones, J. D., M.A., B.A. Lond., Ph.D. Berl. — Lectr. (Eng. Lang.).
White, H. M. O., M.A. Dub. — Lectr.

French

Baker, A. T., Litt.D. Camb., Ph.D. Heid. — Prof.
Clapton, G. T., M.A. — Lectr.
Lonjaret, J., L. ès L. Lyons — Asst. Lectr.

Geography

Brown, R. N. Rudmose, D.Sc. Aberd. — Lectr.
Garnett, Alice, B.A. Lond. — Asst. Lectr.

Geology [Sorby Prof.

Fearnsides, W. G., M.A. Camb.
Wilcockson, W. H., M.A. Camb. — Lectr.
Lewis, H. P., M.A. Camb. (Asst. Lectr. in *Mining* G.).

German

Willoughby, L. A., D.Lit. Lond., Ph.D. Vienna — Lectr.

History

Appleton, H. W., M.A. Ox. — Prof. (Ancient H.).
Black, J. B., M.A. Glas. and Ox. — Prof. (Mod. H.).
Ward, E. H., M.A. Camb. — Lectr. (Eccl. H.).
Fieldhouse, H. N., B.A. Ox., M.A. — Lectr. (Modern H.).
Lewis, N. B., M.A. Manc. — Lectr. (Modern H.)

Law [Prof.

Trotter, W. F., K.C. (Scot.), LL.D., M.A. Camb., Barr.-at-Law

Lias, W. J. (Judge), M.A. Camb. Prof. Internat. Law.
Metcalfe, O. K., M.A., LL.M. (Pub. and Com. L.), Barr.-at-Law Lectr.
Burnham, R. E., B.A., B.C.L. Ox., Barr.-at-Law Lectr.
Renwick, J., B.A., LL.B. Camb. Asst. Lectr.
Downing, F., A.C.A. Tutor in Trust Accounts, etc.

Mathematics
Daniell, P. J., M.A., Sc.D. Camb. Town Trust Prof.
Stewart, C. A., M.A., B.Sc. Glas., B.A. Camb. Lectr.
Cox, R. R. S., M.A. Camb. Asst. Lectr. and Tutor and Curator of Observatory.
Lightfoot, N. M. H., B.A. Camb. Asst. Lectr.
Saynor-Thompson, R., B.Sc. (for Engin.) Lectr.

Medicine, v. *infra*

Metallurgy, v. also Tech.
Desch, C. H., D.Sc. Lond., Ph.D. Wurz., F.R.S., F.I.C. Prof.
Knowles, F. K., M.Met. (also in Dental M.) Lectr. Sen. Lectr.
Ibbotson, F., B.Sc. Lond., D.Met., F.R.C.Sc.I., F.I.C. (also in Dental M.) Lectr. Sen. Lectr.
Wreaks, J. H., B.Met. Lectr.
Orme, F., M.Met. Lectr.
Rees, W. J., B.Sc.Tech., F.I.C. Lectr. (Refractories).
..... Lectr. (*Electro-M.*).
Percival, R. T. Demr.
Gregory, E. Demr.
Smith, C. J., Ph.D. Lond., A.R.C.S. Research Asst.

Mining, v. Engin., Geol.

Music [Lectr.
Linfoot, G. E., B.Mus., B.Sc. Lond.

Philosophy [Lectr.
Laing, B. M., M.A., D.Litt. Aberd.

Physics
Milner, S. R., D.Sc. Lond. and Bris., F.R.S., F.I.P. Prof.
Southerns, L., M.A. Camb., B.Sc. Lond. Lectr.
Lawson, R. W., D.Sc. Durh., F.I.P. Lectr.
Clarke, J. R., M.Sc., F.I.P. Asst. Lectr.
Evans, Morgan H., B.Sc. Wales Asst. Lectr.
Cameron, W. H. B., M.Sc. Belf. Asst. Lectr.

Physiology
Leathes, J. B., M.A., M.B., B.Ch. Ox., F.R.C.S., F.R.C.P., F.R.S. Prof.
Eaves, Eliz. C., B.Sc., M.D., B.S., D.P.M. Lond. Lectr.
Imrie, C. G., M.D. Westn., Ont., M.R.C.P. Lectr.
Clark, G. A., M.D. Durh. Lectr.

Demr.:
Platt, Robert, M.D., M.R.C.P.

Public Health, v. Medicine

Russian
Birkett, G. A., M.A. Liv. Lectr.

Spanish [Hughes Lectr.
Birch, J. N., B.A. Lond.
de Fenn, Beatriz, L. ès L. Barcelona Asst. Lectr.

Technology, Fuel [Prof.
Wheeler, R.V., D.Sc. Manc., F.I.C.
Batley, W. A., M.Sc. Manc. Lectr.
Wigginton, R., B.Sc. Lond., A.R.C.S. Lectr.
Beet, A. E., B.Met. Demr.
Rees, W. J., B.Sc. Tech., F.I.C. Lectr. in Refractories.
Mott, R. A., M.Sc. Leeds Research Asst.

Technology, Glass
Turner, W. E. S., O.B.E., D.Sc. Lond., M.Sc. Birm., F.I.P. Prof.
..... Lectr.

Cousen, A., M.Sc. Lond., A.R.C.S., A.I.C.
Asst. Lectr. & Demr.

Research Assts.:
Dimbleby, Violet, M.Sc.
Howes, H. W., M.Sc. Tech.
Winks, F., M.Sc. Tech.

Zoology
Cannon, H. G., M.A. Camb., D.Sc. Lond., F.L.S. Prof.
Grove, A. J., M.A. Camb., D.Sc. Birm. Lectr.

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

Dermatology and Radiology
..... Lectr.
2 other Clinical Teachers.

Diseases of Children
Leader, H., M.B. Lond. Lectr.
4 other Clin. Teachers.

Dis. of Ear, Nose, and Throat
Wilkinson, G., B.A., M.B., B.C. Camb., F.R.C.S.
Lectr. in Aural Anat. and History of Med.
1 other Clin. Teacher.

Diseases, Infectious [Lectr.
Williams, E. H., M.D. Brus., M.R.C.S., L.R.C.P., D.P.H.

Diseases, Mental [Lectr.
Vincent, W., M.D., B.S. Durh.
1 other Clin. Teacher.

Forensic Medicine
Carter, G., M.B., Ch.B. Manc., D.P.H. Lond. Lectr.

Medicine
Hall, A. J., M.A., M.D. Camb., F.R.C.P. Prof.
Naish, A. E., M.A., M.B., B.C. Camb., F.R.C.P. Lectr.
Barnes, A. E., M.B. Lond., M.B., Ch.B., F.R.C.P. Lectr.
Skinner, E. F., M.A., M.B., B.C. Camb., F.R.C.P. Tutor
3 other Clin. Teachers.

Obstetrics and Gynæcology
Phillips, Miles H., M.B., B.S. Lond., F.R.C.S. Prof.
King, W. W., M.B., Ch.B. Bris., F.R.C.S. Lectr.
Stacey, J. E., M.D., B.S. Lond., M.B., Ch.B., F.R.C.S.
Lectr. (Gyn. Anat.).
1 other Clinical Teacher.

Ophthalmology
Pooley, G. H., B.A. Camb., F.R.C.S. Eng. & Edin. Lectr.
3 other Clin. Teachers.

Pathology, v. also Surg.
Douglas, J. S. C., M.A., D.M., B.Ch. Ox., M.Sc. Birm.
Joseph Hunter Prof.
Wilson, J. B. Ferguson, M.S. Lond., F.R.C.S.
Lectr. (Surgical P.) and Asst. Cur. of Path. Museum.
Gleave, Humphrey H., M.B., Ch.B. Leeds Lectr.
Tingle, Clara D., M.D. Demr.
Kirk, Florence S., M.B., Ch.B. Glas., D.P.H. Camb. Demr.
Guest, D., M.B., Ch.B. Demr.
Edington, J. W., M.D., D.P.H. Edin. Dir. of P.H. Bact. Lab.
Blakelock, J. H., M.Sc., M.B., Ch.B. Asst. Bacteriologist.
Yates, A. G., M.A., M.D. Edin. (Lectr. in Med. Anat.) Demr.

Pharmacology
Mellanby, E., M.A., M.D. Camb., F.R.S. Prof.
Harrison, D. C., B.Sc. Lond., Ph.D. Camb., A.I.C. Lectr.
4 Research Assts.

Public Health
Wynne, F. E., M.B., B.Ch. Dub., D.P.H. Manc. Prof.
Anderson, A., M.B. Aberd., D.P.H. Demr.

Radiology
..... Lectr.

Clinical Teachers :
Hallam, A. R., M.D., Ch.B.
Grout, J. L. A., M.R.C.S., L.R.C.P.

Surgery [Prof.
Connell, A., Ch.M., F.R.C.S. Edin.
Simpson, G., F.R.C.S. Lectr.
Cuff, A., B.A., M.B., B.C. Camb., F.R.C.S. Lectr.
Finch, E. F., M.D., M.S. Lond., F.R.C.S.; Asst. Cur. of Path. Museum and Lectr. in S. Path. Lectr.
Mouat, T. B., M.D., Ch.M. Edin., F.R.C.S. Tutor.
4 other Clin. Teachers.

Tuberculosis [Lectr.
Rennie, J., M.D. Aberd., D.P.H.

Vaccination [Lectr.
Chisholm, J., M.B., Ch.B. Edin., F.R.C.S. (and Tutor in Obstetrics)

Dental Science, v. also Met.
Law, W. J., L.D.S., R.C.S. (D. Anat. and Physiol.) Lectr.
Froggatt, G. H., L.D.S., R.C.S. (D. Mech. and D. Surg.) Lectr.
Stokes, P. S., L.D.S., R.C.S. (D. Surg.) Lectr.
Watson, C. T., L.D.S., R.C.S. (Orthod. and Operative Dent. Surg.). Lectr.
Barron, D. C., M.D., Ch.B. Edin. (Med. for Dent. Students) Lectr.
Skerritt, J. H., L.D.S., R.C.S. (Op. Dent. Surg.) Lectr.
Drabble, H. S., M.R.C.S., L.R.C.P. Anæsthetist.
Woodcock, R., L.D.S., R.C.S. Demr. (Dent. Hist.).
4 other Clin. Dental Teachers.

Adult Education
Tutors : 9 members of the Staff and 8 others.

AFFILIATED INSTITUTIONS

Barnsley Technical School, Scunthorpe Central School and Evening Technical School, and Lincoln Municipal Technical School. Students proceeding from "Affiliated Institutions" to the Univ. to take courses for an Honours degree or Associateship in Engineering or Metallurgy may receive certain concessions.

GENERAL INFORMATION

University College, Sheffield, incorporated by Royal Charter in 1897, was in 1905 merged in the University of Sheffield constituted by Royal Charter in that year. The city being an important centre of steel, electro-plate, glass, and other manufacturing industries, and in the heart of an extensive coal-mining area, students of Engineering, Metallurgy, Mining, Fuel Technology, and Glass Technology have exceptional opportunities.

Library, 83,000 vols. and pamphlets, including collections of books on alchemy and early history of chemistry (J. Spear Parker's), facsimiles of Greek papyri (J. H. Moulton's), literature relating to Polychæte worms (A. T. Watson's), and seventeenth century tracts, plays, etc. (Sir Chas. Firth's); 340 current periodicals. Also Special Applied Science and Glass Technology departmental collections.

Research Department Laboratories include Engineering (mech., elec., civ., and mining), with power-plant, air-compressors, hydraulic appliances, testing machines, special apparatus for high temperature and repeated stress testing, the testing of cement and concrete and for measuring earth pressures, high-speed steel tool-testing lathe, etc., the machine-tool branch being a

special feature; Jonas laboratory specially equipped for researches in connexion with materials; Edgar Allen laboratory specially equipped for electrical and magnetic research work; laboratories equipped with alternating current and direct current motors and generators, apparatus for magnetic, photometric, and meter testing; high-frequency oscillographs; wireless laboratory; Electrotech. (lighting, traction, power transmission, mining, electro-chem.), all provided with continuous and alternating currents, provision being made for 12 different combinations for parallel-running; Metallurgical, with plant for experimental melting of steel, including 2-ton Siemens open hearth furnace; ½-ton electric arc furnace, cupola, Kjellin induction furnace, and Ajax-Northrup high-frequency induction furnace, crucible steel-melting house, and equipment for thermal, micrographic, X-ray, and other physical investigations, specially equipped laboratory for electro-deposition of metals; Non-Ferrous, equipped for the lighter Sheffield trades; Glass Technology, large-scale furnaces and equipment for melting and working glass and laboratories specially fitted up for systematic research on it; Fuel Technology, including an experimental gas-producer, run in connexion with the steel-melting furnace of the metallurgical department, coke-testing apparatus, and specially equipped laboratories for research on coal, coke, and gaseous explosions.

OBSERVATORY with 6¼″ equatorial telescope. HOSPITALS available for clinics include 2 general (818 beds), 3 special (843), and Lunatic Asylum (1740 beds).

FACULTIES. (1) Arts, (2) Pure Science, (3) Medicine (including the Dental Department), (4) Law, (5) Engineering (Depts. of Mech., Elec., Civ., and Mining E., Fuel Tech., Glass Tech.), and (6) Metallurgy (Ferrous and Non-Ferrous). Deans: (1) Prof. Forster (Greek), (2) Prof. Wynne (Chemistry), (3) Prof. Douglas (Pathology), (4) Prof. Trotter (Law), (5) Prof. F. C. Lea (Mech. Engineering), (6) Prof. Desch (Metallurgy). There is a University Training College Department for Teachers for elementary, secondary, and continuation schools.

MATRICULATION. See Appendix XXI.

DEGREE COURSES. 3 yrs.—B.A. (with Honours in Archit.—5 yrs., including 2 in an Architect's office), B.Sc., LL.B., B.Met. (3 yrs.' evening courses may be taken by students of 20 yrs. of age in lieu of the 2nd and 3rd yrs.' day courses), B.Eng. ("Sandwich" course 4 yrs.), B.Sc.Tech. ("Sandwich" course 4 yrs.); 5 yrs. (including 3 in the Univ.)—M.B., Ch.B.; 5½ years—B.D.S. Graduates of a Univ. of the U.K. who wish to qualify for B.A. or B.Sc. with Honours, 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 institution. Graduates of a Univ. of the British Empire who wish to qualify for B.Met., B.Eng., B.Sc.Tech. need, under certain conditions, only attend courses for 2 years (for B.Met. pass degree, one year) if they have pursued a course for 2 years at some approved institution.

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 Paris, Caen, Besançon, Grenoble, Leipsic, Freiburg, and Giessen have been recognized in the Faculty of Arts, and the Univ. contributes towards expenses of undergraduates spending a term there. Courses in Chem., Phys., and Zool. at Univ. Coll., Nottingham, qualify for entrance for the 1st M.B., Ch.B.

A Secondary Schools 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 1 yr.'s standing—M.A., M.Sc., LL.M., M.Eng., M.Sc.Tech., M.Met., M.D., Ch.M., M.D.S.; 5 yrs.—Litt.D., D.Sc., LL.D., D.Eng., D.Sc.Tech., D.Met.; open to graduates in Arts of any Univ. of the U.K. after 2 yrs., to graduates of Faculties other than Arts after 3 yrs., of advanced study or research in Sheffield—M.A.; open to graduates in Science of any Univ. of the U.K. after 2 yrs. of advanced study or research in Sheffield—M.Sc.; Ph.D., v. p. 18.

DIPLOMAS. Archit., 5 yrs. (including time spent in an Architect's office); Modern Lang. Teaching (graduates in Arts or others of similar attainments in the Lang.), 1 yr. course; Educn. (after graduation), 1 yr. (special facilities for Pedagogical research); Domestic Science, 2 yrs.; L.D.S., 4 yrs.; Glass Technology, 3 yrs. (for those with 2 yrs.' practical experience, 2 yrs.); Associateship in Engin., 3 yrs. (Works Pupils and Evening students, 4 yrs.); Associateship in Iron and Steel or Non-Ferrous Metallurgy, 3 yrs. (evening students, 4 yrs.); Mining, 4 yrs. (1st year, full-time at the University, October to June inclusive; other years 6 mos. in Colliery and 6 in Univ.; exemption from first yr. obtainable through examn. The Dipl. enables a student to sit for the examn. for a colliery manager's certif. after 5 yrs.' total training, including the time spent in the Univ.); Fuel, 4 yrs. (for those with 1 yr.'s experience in a Works Fuel Dept., 3 yrs); exemption from first yr. in special cases.

Certificates in Architecture (3 yrs.); Works Pupils in Engineering (3 yrs.); Electricity applied to Mining (2 yrs. Saturday afternoons); Glass Technology (3 yrs.).

FEES. Matricn. £2. Registn. 21s. or 25s. Tuition for degree courses (approximate): B.A., £23 : 15s. p.a.; B.Sc., £30 p.a.; LL.B., about 11 gs. p.a.; B.Eng., B.Met., B.Sc.Tech. (Glass or Fuel), 37½ gs. p.a.; "Sandwich" course for B.Eng., 4 yrs., £29 : 10s. p.a.; M.B., Ch.B., £190 for 5 yrs.' course, including hospl. fees; B.D.S., £225 for 5 yrs.' course including Mech. Dent. Examns., Interm., £2; Final, Pass Degree, £2; Honours, £3 (M.B., Ch.B. or B.D.S. examns., £6 each of 3). Degree Fee, £5.

SCHOLARSHIPS, ETC., FOR GRADUATES. Sorby Research Fellowship (administered by Royal Society) for research in Sheffield Labs., about £500 p.a. for 5 yrs., renewable; Alfred Tongue Scholp., £100 for 1 yr. for research in Engin., Met., or Chem.; George Senior Fellowships, £125 p.a., 2 offered annually for research, one in Engin. and one in Met.; 4 Styring Research Scholps., £100 p.a. for research in ferrous and non-ferrous metals; Cutlers' Company Scholp., £100 p.a. for 2 yrs.; several others of from £50 to £100.

Herbert Hughes *Travelling Scholarships* in Spanish, £25 each, are for one month of Study in Spain during the long vacation.

RESIDENCE, ETC. Stephenson Hall, for men; fees per session, £90. Univ. Halls for women, Oakholme, Tapton Cliffe, and Endcliffe House, £51 to £75 per session. A list of supervised Lodgings is maintained; board and lodging cost from 30s. to 50s. per week. Athletics ground, 15½ acres. The Union Rep. Council takes a leading part in the Social life of the Univ. Separate Students' Unions for men and women.

There is an OLD STUDENTS' assocn. which publishes periodically lists giving addresses, occupations, honours, etc.

UNIVERSITY EXTENSION work includes Tutorial classes, Free Extension Lectures, Collaboration (for Adult Educn. Lectures) with the Sheff. Educn. Committee.

Evening Classes are conducted under the direction of the Senior Lecturer in Mechanical Engineering, in General Science, Engineering, Metallurgy,

Mining, Fuel, and Glass Technology, Building and Manual Training, during the 6 months, Oct. to April. 24 additional lecturers and teachers are employed on this work besides the regular staff. For notes on the extent to which these classes are recognized as qualifying for degrees, etc., see v. *supra*—Degrees, Diplomas.

Evening Classes are also provided in Greek, French, Russian, Spanish, Philosophy, Economics, Secretarial Practice, Acctcy., Law, Music, and Archit.

PUBLICATIONS. *Calendar* (Oct.), 5s.; *Floreamus*, a Chronicle pubd. at end of each term, annual subs., 2s. (the 12 completed vols. give a full history of the Coll. and Univ., with portraits, etc.); Annual Report in Nov.; Faculty and Training College Prospectuses; Scholarships pamphlet.

THE YEAR 1925–26

In July 1926 the Univ. celebrated its coming-of-age.

BENEFACTIONS. Donations to the Buildings and Endowment Fund, £7077; Past Students of the Univ. subscribed £300 towards a necessitous students' fund; J. Holland, £1000 for a scholarship in Applied Science, preferably in Metallurgy; Miss Violet Markham, £100 p.a. for prize for a literary competition open to wage-earners in the mining community; Yorkshire Council of the British Empire Cancer Campaign allocated £10,000 to the Univ. for experimental and research work.

NEW BUILDINGS. Gymnasium (begun); pavilion on the Univ. Athletics Grounds (funds left by the late Sir Albert Hobson); extensions to provide more accommodation for the Dept. of Pharmacology; two new research laboratories, one for Mechanical Engineering and one for Metallurgy.

NEW POSTS: Honorary Prof. of Mining; Lectureships in English Language, and in Pharmacology.

AFFILIATION, ETC. Lincoln Municipal Technical School courses were recognized for certain purposes. Firth Park Secondary School, Sheffield, was approved so as to enable students who propose to read for the B.Sc. with Honours to take the Intermediate Examn. in Science (subjects, Mathematics, Physics, and Chemistry) at Entrance. The Universities of Freiburg and Giessen were approved as institutions at which students of the Faculty of Arts may attend courses of study approved by the Faculty as equivalent to such courses of study in the University.

RESIGNATIONS. Prof. Morgan, apptd. Principal of Univ. College, Hull, succeeded by B. I. Evans from Southampton; Prof. W. Rothenstein; H. L. Beales, apptd. Lectr. in London School of Economics; Miss I. M. Mathews, Asst. Lectr. in Physics, apptd. Maths. Mistress, Thoresby High School, Leeds; S. L. B. Etherton, apptd. Asst. to Research Directors of Chilean Nitrate Assocn.

FOREIGN STUDY. Scholarships were awarded to 4 students to enable them to spend part of the summer vacation in Spain; leave was granted to attend lectures during Easter term at Caen (6), Freiburg, Giessen, and Paris.

HONORARY DEGREES. *LL.D.*—H.R.H. the Princess Mary, the Earl of Derby, Sir Austen Chamberlain, Sir Percy Jackson, H. P. Marsh, Emily Penrose. *Litt.D.*—Rt. Rev. L. H. Burrows, Sir Charles N. E. Eliot, Very Rev. Sir George Adam Smith, Sir Hugh P. Allen. *D.Sc.*—P. F. Frankland. *D.Eng.*—Engineer Vice-Admiral Sir Robert Bland Dixon.

STUDENTS. Full-time: total, 680, including 240 women; graduates 39

(w. 1), including 12 in Fuel and 15 in Engineering; preparing for first degree, in Arts 180 (w. 117), Pure Science 147 (w. 53), Med. 54 (w. 14), Law 8 (w. 1), Engineering 46, Mining 15, Glass Technology 2, Fuel 5, Metallurgy 12; other full-time, in Arts 63 (w. 44), Pure Sc. 20 (w. 6), Med. 24 (w. 3), Dent. 25 (w. 1), Engin. 21, Mining 12, Met. 7. Resident in hostels, 114 (w. 100).

Part-time (day): total, 436 (w. 47); graduates 7 (w. 1); degree students 6 (w. 3); diploma 27 (w. 1); occasional, 396 (w. 42). Evening: 1652 (w. 16).

Extra-mural: Tutorial class students, 646 (w. 187); Extension courses 90 (w. 69).

DEGREES OBTAINED. Ph.D., 3 (w. 1); M.D., 1 (w.); M.A., 25 (w. 16); M.Sc., 16 (w. 3); LL.M., 1; M.Eng., 6; M.Met., 1; B.A., 50 (w. 37); B.Sc., 32 (w. 12); M.B., Ch.B., 10 (w. 3); LL.B., 4; B.Eng., 9; B.Sc.Tech., 4; B.Met. 6.

UNIVERSITY OF WALES, CARDIFF

VISITOR AND PROTECTOR—H.M. THE KING.

CHANCELLOR—H.R.H. THE PRINCE OF WALES.

PRO-CHANCELLOR—Rt. Hon. LORD KENYON, K.C.V.O.

VICE-CHANCELLOR—for biennium ending Aug. 31, 1928, Principal Sir HARRY R. REICHEL, M.A., LL.D., Univ. College of North Wales, Bangor.

WARDEN OF THE GUILD OF GRADUATES—FRANCES MARY REES, B.A.

CLERK OF THE GUILD OF GRADUATES—Prof. H. LEWIS, M.A.

TREASURER OF THE GUILD OF GRADUATES—F. E. REES, B.Sc.

DEAN OF THE FACULTY OF MEDICINE—Prof. A. W. SHEEN, C.B.E., M.S., F.R.C.S.

DEAN OF THE FACULTY OF THEOLOGY—Rev. Principal J. M. DAVIES, M.A.

REPRESENTATIVE IN PARLIAMENT—ERNEST EVANS, B.A., LL.B.

REGISTRAR—D. BRYNMOR ANTHONY, M.A., University Registry, Cathays Park, Cardiff.

SECRETARY TO THE COUNCIL—JENKIN JAMES, O.B.E., M.A.

CONSTITUENT COLLEGES

UNIVERSITY COLLEGE OF WALES, ABERYSTWYTH.

UNIVERSITY COLLEGE OF NORTH WALES, BANGOR.

UNIVERSITY COLLEGE OF S. WALES AND MONMOUTHSHIRE, CARDIFF.

UNIVERSITY COLLEGE OF SWANSEA.

ASSOCIATED THEOLOGICAL COLLEGES

UNITED THEOLOGICAL COLLEGE, ABERYSTWYTH AND BALA. At *Aberystwyth*: Principal—Owen Prys, M.A., D.D., Prof. of *Syst. Theol.* and *Philos. of Religion*. Other Profs.: J. Y. Evans, M.A., B.D., *N.T. Greek* and *Exegesis*; E. N. Jones, M.A., *Hebrew* and *O.T. Exegesis*; W. Porter, M.A., Litt.D., *Bib. Lit. and Theol.*; R. Morris, M.A., B.D., *Church Hist.*; W. R. Williams, M.A., *Christian Doctrine*. At *Bala*: Principals and Profs. of *Past. Theol.*—David Phillips, M.A., and D. Williams, M.A.

BANGOR, The Baptist and Congregational Jt. School of Univ. Theol. Studies. Principal J. T. Evans, M.A., B.D., *Hebrew and O.T. Canon and Exegesis*; Principal J. M. Jones, M.A. Ox., B.A. Lond., *Ch. Hist.*, etc.; Professors J. Jenkins, M.A., B.Litt., *N.T. Canon*, etc.; J. E. Daniel, B.A. Ox., *Christ. Doct.*, etc.

BRECON, The Memorial Coll. Principal—T. Lewis, M.A., B.D., Prof. of *Hebrew*. Other Profs.: D. M. Edwards, M.A., D.D., *Dogmatics*, etc.; Jos. Jones, M.A., B.D., *Greek*, etc.; John Evans, B.A., *Ch. Hist.*

CARDIFF, The S. Wales Baptist Coll. Principal—J. M. Davies, M.A., Prof.

of *Philos., Bib. and Hist. Theol.*, etc. Other Profs.: T. W. Chance, M.A., B.D., *Ch. Hist.*; T. H. Robinson, M.A., D.D., *Hebrew*, etc.; J. Griffiths, B.A., B.D., *Greek Test.*, etc.

CARMARTHEN, The Presb. Coll. Principal—W. J. Evans, M.A., Lectr. in *Classics*, etc. Other Lectrs.: M. B. Owen, B.A., B.D.; J. O. Stephens, B.A., B.D.; Emrys Jones, B.A., B.D., B.Litt.

GENERAL INFORMATION

The Univ. was founded by Charter, 1893. The teaching for initial degrees is undertaken by the constituent and associated Colleges, and matriculation in the Univ. is open only to students of those Colleges: in the case of an associated College, only to students who are graduates of a Univ. of the United Kingdom or of *St. David's College, Lampeter*. The Univ. prescribes conditions under which it awards initial degrees to students of the Colleges and conducts the final examns. An Academic Advisory Committee deals with the conditions on which School Leaving certificates are accepted by the Univ. for matriculation, and as relieving a student from repeating in College work done in Secondary Schools, and with other matters lying in the borderland between School and Univ.

As the result of an inquiry held by a Royal Commission in 1916–1918, a Supplemental Charter was granted to the Univ. in 1920, which introduced many important changes, including: reconstruction of the Univ. Court, a deliberative and legislative body, with 263 members, of whom a little over a half are representatives of Local Education Authorities; institution of a Univ. Council, as the executive and administrative body of the Univ., controlling the finance and distributing all the funds provided for Univ. education; provision of such funds from a penny rate levied throughout Wales and Monmouthshire, supplemented by an equivalent grant from the Treasury; larger freedom for the constituent Colleges (increased to four, by the inclusion of Swansea) in the control of the Courses of Study and in the conduct of their own examns. for initial degrees, Univ. Examiners now taking part only at the final stages; development of a National School of Medicine in connexion with Cardiff College; new Boards for special studies, such as the Board of Celtic Studies and the Council of Music; Univ. Press Board; Univ. Extension Board providing an enlarged scheme for extra-mural instruction; Appointments Board.

DEGREES. B.A., M.A., D.Litt.; B.Sc., M.Sc., D.Sc.; B.Tech.; B.Mus., M.Mus., D.Mus.; LL.B., LL.M., LL.D.; M.B., B.Ch., M.D., M.Ch.; B.D., D.D.; Ph.D.

For a first degree 3 yrs. of study are required; in Technology 1 yr. is in an approved technological institution. The degree in Med. is only open to a graduate in Arts or Science of some British or approved colonial or foreign Univ.; the period of qualification for it is 6 yrs., of which the last 3 may be spent in an approved School of Med. in the U.K. or in one of the Univs. of Paris, Berlin, Vienna, or the Johns Hopkins Univ. The degree of B.D. (3 yrs.' course) is post-graduate; the scheme of study is pursued in one of the Associated Theol. Colls. (v. *supra*). The scheme of study for an Honours degree in Arts, Science, or Law ordinarily covers 4 years. 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. 18.

Diplomas in Educn. (post-grad. Certif. and Diploma); Public Health (D.P.H.); Tuberculous Diseases (T.D.D.).

FEES: Matricn., £2; examns. qualifying for Bachelor degree, from £6: 15s.; Master, £8; Ph.D., £12; higher Doctorates, £20.

SCHOLARSHIPS, ETC., FOR GRADUATES. The Univ. has funds amounting to £4000 p.a. for the encouragement of research. In addition to 5 Fellowships (annual value £200 each) tenable for two years, it awards 12 studentships on the nomination of the Colls. to students who after graduation engage in work preparatory to research for 2 yrs. Grants to assist research into Welsh language, institutions, etc., are made, preferably to members of the Univ., from T. Ellis Memorial Fund (capital £1563). Grants, prizes, or exhibitions to encourage advanced study are made, for research in Law from the Sir Samuel Evans Memorial Fund (capital £1060), for research in tuberculosis from the Cecil Prosser Research Scholarship Fund (capital £2000), and for research in problems connected with midwifery from the Ewen Maclean Scholarship Fund (capital £3000).

PUBLICATIONS: *Calendar* (Oct.), 4s.; *Diary*, 2s. Courses in Div. and in Mus., and Matricn. and Degree Regns., free. Matricn. Examn. Papers, 6d. B.D. Questions, 6d. Degree Papers, Arts 6s., Science 5s. Bulletin of Board of Celtic Studies, 5s. 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.). This is brought up to date in the introduction to the Report of the Royal Commission on Univ. Education in Wales, 1918, 1s.

THE YEAR 1925–26

BENEFACTION. G. Leighton Seager, £600 for medals in medicine and surgery.

NEW DEVELOPMENTS. A Faculty of Rural Science. Scheme for B.Sc. with Honours in Agric. Cardiff Technical College recognized for one of the 3 years of study required for the newly instituted B.Tech. in Mech. Engineering and in Industrial Chemistry. Steps taken for separation of the Medical School from Univ. College, Cardiff. Provision for Honours in Music and double degree in Arts and Music. Examns. in Part I. of scheme for B.D. will in future be conducted by the Associated Theol. Colleges. Decision to hold examns. for M.B. and Ch.B. twice a year. Conferences for arranging a scheme of co-operation between the Univ. and the Central Welsh Board for award of State Scholarships and recognition of Higher Certificate of the Board as exempting from first year courses in the Univ.

UNIVERSITY EXTENSION work was considerably increased. 93 Tutorial and 26 Preparatory classes were held.

HONORARY DEGREES. *M.A.*—J. T. Evans; *M.Mus.*—O. Owens Roberts; *D.Sc.*—A. H. Church; *D.Litt.*—W. H. Davies; *LL.D.*—F. W. Gilbertson and Rt. Hon. J. Ramsay Macdonald.

OTHER DEGREES. B.A., 261 (including 144 women); B.Sc., 176 (w. 34); LL.B., 4 (w. 1); B.Mus., 10 (w. 3); M.B., B.Ch., 6 (w. 2); M.A., 23 (w. 7); M.Sc., 31 (w. 4); Ph.D., 7; D.Sc., 1.

STUDENTS. Full-time: total, 2631 (including 1072 women); graduate students 86 (w. 16); undergraduates in Arts and Pure Sc. 1810 (w. 770), Med. 107 (w. 21), Law 16 (w. 2), Music 30 (w. 15); other full-time, Arts, etc. 432 (w. 176), Med. 64 (w. 5), Music 86 (w. 67). Resident in hostels, 590 (w. 541). Part-time: total, 112 (w. 15), graduate 27 (w. 2), diploma students 85 (w. 13).

UNIVERSITY COLLEGE OF WALES, ABERYSTWYTH

PRESIDENT OF THE COURT OF GOVERNORS AND OF THE COUNCIL—Lieut.-Col. DAVID DAVIES, M.A., LL.D., M.P.

VICE-PRESIDENT—Sir A. GARROD THOMAS, M.D., LL.D., D.L.

PRINCIPAL—.....

ACTING PRINCIPAL—Prof. EDWARD EDWARDS, M.A.

GENERAL SECRETARY—J. L. NEWBON, A.L.A.A.

ACADEMIC SECRETARY—G. J. WALKER.

LIBRARIAN—J. D. WILLIAMS, B.A.

PROFESSORS, LECTURERS, ETC.

Agriculture

Griffith, J. J., B.Sc. Prof.
Phillips, R., M.Sc., A.I.C. Lectr.
County Organizers, 7.
Instructress in Dairying.

Advisory Officers :

Ashby, A. W., M.A. (Hon.) Ox., Agr. Economist and Lectr.
Howell, J. P. Asst. Advisor.
Jenkins, J. R. W., M.Sc., Entomologist.
Davies, D. W., B.Sc., Mycologist.
Thomas, S. B., M.Sc. Dairy Bacteriologist.

Agric. Botany

Stapledon, R. G., M.B.E., M.A. Camb. Prof.
Sampson, Kathleen, M.Sc. Lond. Lectr.
Tincker, M. A. H., M.A. Camb., M.Sc. Lond. Asst. Lectr.

Plant Breeding Station :

Prof. Stapledon Director.

Investigators :

Jenkin, T. J., M.Sc.
Williams, R. D., M.Sc.
Jones, E. T., B.Sc.
Jones, Martin G., M.Sc.
Davies, Wm., M.Sc.
Beddows, A. R., B.Sc. (Asst.)
Milton, W. E. J., N.D.A.

Agric. Chemistry

Fagan, T. W., M.A. Camb., F.I.C., Chemist Indept. Lectr.
Davies, R. O., M.Sc. Lectr.

Arabic, v. Hebrew

Botany

Robinson, Wilfrid, D.Sc. Manc. Prof.
Jones, S. G., D.Sc. Lectr. & Demr.
Carter, P. W., M.Sc. Asst. Lectr.

Chemistry

James, T. C., M.A. Camb., D.Sc., F.I.C. Prof.
Bury, C. R., B.A., B.Sc. Ox., A.I.C. Lectr.
Hudleston, L. J., B.Sc. Lond., A.I.C. Lectr.

Asst. Lectrs. & Demrs. :

Davies, C. W., M.Sc., A.I.C.
Green, Albert, M.Sc., A.I.C.

Classics

Rose, H. J., M.A. Ox., B.A. McG. Prof. (Latin).
Jenkins, E. D. T., M.A. Ox. Indept. Lectr. (Greek).
Bensly, E., M.A. Camb. Spl. Lectr. (Med. and Renaissance Latin).
Baillie-Reynolds, P. K., M.A. Ox. Lectr. (Ancient Hist.)

Asst. Lectrs :
Woodward, Miss A., M.A. Camb. and Lond.
Pope, R. A., M.A. Camb.

Economics and Pol. Science, v. also Politics
Lewis, E. A., D.Sc. Lond., M.A., D.Litt. (Lectr. in Palæog.) Prof.
Rees, J. Morgan, M.A. Lectr.
King, William, M.A. Asst. Lectr.

Education
Chapple, C. R., M.A. Lond. Prof.
Roberts, Dorothy E., M.A. Lectr.
Pinsent, A., M.A. Lond., B.Sc. Lectr.
Hughes, John, M.A. Asst. Lectr.
Jones, Gwenan, M.A., Ph.D. Minn. Asst. Lectr.
Green, G. H., M.A., B.Sc., Ph.D. Lond., B.Litt. Ox. Asst. Lectr.
Rowlands, M. Gertrude ,, ,,
Jones, Dan R., M.A., A.R.C.A., A.M.C. Art Master.
3 Instrs. in Physical Training and in Needlework.

English Language and Lit.
Atkins, J. W. H., M.A. Camb. and Lond. Rendel Prof.
Winstanley, Lilian, M.A. Manc. Lectr.
Garmonsway, G. N., M.A. Camb. Asst. Lectr.

French Lang. and Lit. and Romance Philol.
Barbier, J. L. A., L. ès L. Paris Prof.
Thomas, A. B., D. de l'U. Lyon, M.A. (Lectr. in Phonetics) Lectr.
Phillips, Eva M., M.A. Asst. Lectr.
Tartinville, Jean Part-time Asst.

Geography and Anthropology, v. also Ocean.
Fleure, H. J., D.Sc. Prof.
Whitehouse, W. E., M.Sc. Lectr.
Harris, Susan, F.R.G.S. Asst. Lectr.

Geology [Prof.
Pugh, W. J., O.B.E., B.A., F.G.S.
Challinor, J., M.A. Camb., F.G.S. Lectr.
Platt, J. I., M.Sc. Manc., F.G.S. Asst. Lectr.

German
Evans, David, M.A. Indpt. Lectr.
Rees, Hermia, M.A. Asst. Lectr.
Jensen, H., Ph.D. Part-time Asst.

Hebrew and Arabic
..... Prof.

History, v. also Classics
Edwards, Ed., M.A. Camb. and Lond. Prof.
Jane, L. C., M.A. Ox. Lectr.

History, Colonial [Prof.
Roberts, T. Stanley, M.A. Camb.

Law, English
Levi, T. A., M.A., B.C.L. Ox., LL.B. Lond., Barr.-at-Law. Prof.
Bailey, S. J., M.A., LL.B. Camb. Spl. Lectr.
Asst. Lectrs. :
Cherry, J., B.A. Camb.
Lewis, T. Ellis, B.A., LL.B.

Logic and Philosophy
Jones, W. Jenkyn, M.A. Camb., B.A. Lond. Prof.
Davies, Dan, Ph.D. Glas., M.A. Asst. Lectr.

Mathematics, Applied
Schott, G. A., B.A. Camb., D.Sc. Lond., F.R.S. Prof.
Sutton, W. G. L., M.A. Ox. Asst. Lectr.
Lewis, Thos., M.Sc. ,, ,,
Morton, V. C., M.A. Ox. Indpt. Lectr.

Mathematics, Pure
Sutton, O. G., B.Sc., Asst. Lectr.

Music
de Lloyd, David, Mus.D. Dub., B.A., Mus.B. Prof.
Williams, Prof. J. Lloyd, D.Sc. Spl. Lectr.
10 Assts.

Oceanography
Jenkins, J. Travis, D.Sc. Lond., Ph.D. Kiel, D.Sc. Hon. Lectr.

Palæography, v. Econ.

Philosophy, v. Logic

Physics
Owen, Gwilym, M.A. Camb., M.Sc. Manc., D.Sc. Liv. Prof.
Tunstall, N., B.Sc. Manc. Lectr.

Asst. Lectrs. & Demrs.:
Davies, R. M., B.Sc.
Jones, I. C., M.Sc.

Politics, Internat.
Webster, C. K., M.A. Camb. Wilson Prof.
Herbert, S., M.A. Lectr.

Welsh [Prof.
Parry-Williams, T. H., M.A. Wales, B.Litt. Ox., Ph.D. Freib.
Lewis, Timothy, M.A. Manc., B.A. (Celtic Philol. and Palæog.) Reader.

Welsh Literature
Jones, T. Gwynn, M.A. Prof.

Zoology, v. also Ocean.
Laurie, R. D., M.A. Ox. Prof.
Watkin, E. E., B.Sc. Asst. Lectr.
Lewis, E. Aneurin, M.Sc. Part-time Asst. Lectr. and Field Officer (*Helminthology*), Ministry of Agr., Research Inst. of Parasitology, attached.

University Extension

Morgan, Herbert, M.A. Ox., B.A. Director of Extra-mural Studies.
16 Tutors.

GENERAL INFORMATION (v. also p. 245)

Founded in 1872, the College was incorporated by Royal Charter in 1889, and is a constituent College of the Univ. of Wales. Its main building and Students' Hostels are on the sea front, facing Cardigan Bay.

LIBRARIES. College, 50,000 vols., including the collection of Sir John Rhys. Access to the National Library of Wales, founded in 1907, 420,000 vols., rich in Welsh and other Celtic books and MSS. MUSEUMS: Archæol., Bot., Chem., Ethnog., Geog., Geol., Zool., Gallery of Crafts. The Chemistry LABORATORIES, erected in 1907, are the most complete in Wales. Agric. Expl. and Plant-breeding Stations and Training Farm.

FACULTIES. Arts, Science, Law, Music. *Departments*: Agriculture, Teaching (Elem. and Secondary), Art and Handicraft, Extra-mural, Phonetics. A special feature is the ample provision for instruction and research in Agriculture. A Chair of International Politics was founded in 1919.

DEGREE courses in Arts, Science, Law, Music.

College Diploma courses: Associateship, 2 yrs.; Assoc. in Agric., 3 yrs.; Dairying, 2 yrs.; Music, 2 yrs.; Geography, 1 yr.; Animal and Human Biology, 1 yr.; Art, 1 yr.; Handicraft, 1 yr.

Courses in Science meet the requirements of the first year of Medical study and the examns. of the Pharmaceutical Society.

Post-graduation courses (1 yr.) for Teachers (Elem. and Secondary), and in Agric.

RESEARCH work is systematically carried on in Agric. Botany and Agric. Chem. (whole-time Research Botanist, Chemist, Entomologist, and Mycologist), Chem., Geol., Geog., Physics, Zool., English, Welsh, Philos., Maths., Economics, History.

FEES for tuition in Arts, £15 per session; Science, £20; Registration, £1; Research students, 6 to 10 gs.

SCHOLARSHIPS FOR GRADUATES. 4 for Research, value £27 to £70, open to Colonial and Foreign students as well as to students of the College. *See* also under Univ. TRAVELLING SCHOLARSHIPS for visiting Continental institutions, average, £20 to £30; total, £500. RESEARCH STUDENTSHIP, £200 in Dept. of International Politics.

RESIDENCE. Board and lodging at Women Hostels: 50 to 62 gs. per session. Accommodation in Hostels for 300 women.

MEDICAL ATTENTION is provided for by a capitation fee, about 5s., payable by all men students each session.

UNIVERSITY EXTENSION. Local lectures and short courses in Agric. subjects; Travelling Dairy School; Tutorial Classes in Econ., Lit., Hist., Welsh Psychology, etc.; Summer School annually in Aug.

AFFILIATION. The Coll. is affiliated to Ox. and Camb., and is recognized by Edin. and N.U.I., by the R.C.P. and S. Eng. and Edin., the F.P. & S. Glas., the R.C.P.I., the Inst. Chem., and the Surveyors' Instn.

PUBLICATIONS: *Reports* (Jan.), 1s. 6d.; *Aberystwyth Studies*; Students' Magazine, *The Dragon*; Inaugural Lectures.

THE YEAR 1925–26

BENEFACTIONS. Sir Laurence Phillips, for Plant-breeding Station, £1000; late R. Davies, for Mynyddog Scholarship, £300; Hon. S. Vestey for Zoological Dept., £150; other gifts, £117.

A HOSTEL for men students which was closed last session was converted into a Hostel for women students.

An Independent LECTURESHIP in Pure Mathematics was created.

Series of PUBLIC LECTURES were delivered by the Master of Balliol College, Oxford; Profs. A. F. Pribram of Vienna; Julian Huxley, of King's College, London; J. Livingston Lowes, of Harvard; C. K. Webster, and others.

Sydney Herbert of the Dept. of International Politics spent a year as Rockefeller Scholar at various American Univs., and Prof. C. K. Webster lectured at various places on the Continent of Europe. About 50 awards amounting to upwards of £500 were made out of the TRAVELLING SCHOLARSHIP FUND to students and Members of Staff to enable them to visit Continental Countries during the Easter and Summer Vacations.

DEATHS. Sir John Williams, Bart., President; Principal J. H. Davies. RETIREMENT: Prof. J. Lloyd Williams, succeeded by Wilfrid Robinson, Senior Lecturer in Cryptogamic Botany in Manchester. RESIGNATIONS: Prof. Sir Walford Davies, who remains Director of Music in the Univ.; Frank Smith, appointed to the Chair of Education, Armstrong College; L. A. Reid, appointed Lectr. in Philosophy at Liverpool, succeeded by Dr. Dan Davies, formerly Extra-mural Tutor; J. W. van Druten, H. J. S. Jenkins, Jean Darbelnet, R. Haferkorn, D. R. Williams, W. Mandell.

STUDENTS. Full-time: total, 701 (including 316 women); graduates 25 (w. 5); preparing for first degree, in Arts 496 (w. 233), Law 16 (w. 2), Music 13 (w. 6); other full-time, Arts 135 (w. 60), Music 16 (w. 10). Resident in hostels, 273. Part-time: occasional, 25 (w. 11). Pre-matriculation, 78 (w. 36). Extra-mural, 669 (w. 217).

DEGREES OBTAINED. B.A., 81 (w. 44); B.Sc., 53 (w. 17); B.Mus., 5 (w. 2); LL.B., 4 (w. 1); M.A., 2; M.Sc., 2 (w. 1); Ph.D., 1.

UNIVERSITY COLLEGE OF NORTH WALES, BANGOR

PRESIDENT OF THE COURT OF GOVERNORS AND CHAIRMAN OF THE COUNCIL—Rt. Hon. LORD KENYON, K.C.V.O.

PRINCIPAL—Sir HARRY R. REICHEL, M.A., LL.D.

SECRETARY AND REGISTRAR—W. P. WHELDON, D.S.O., M.A., LL.B.

BURSAR—RICHARD WILLIAMS.

WARDEN OF THE WOMEN STUDENTS—MURIEL ORLIDGE DAVIS.

PROFESSORS, LECTURERS, ETC.

Agriculture

White, R. G., M.Sc. Leeds Prof.
Roberts, E. Jones, M.A., B.Sc. Lectr.
Roberts, J. A. F., B.A. Camb., B.Sc.
Hon. Lectr. (*Animal-breeding*).
Montgomerie, R. F., B.Sc., M.R.C.V.S.
Vet. Advisory Officer.
Ashby, A. W., M.A.
Spl. Lectr. in Ag. Econ.
Lectrs. in Bldg. Constn., Book-keeping, Vet. Hygiene.
County Staffs: 5 Organizers; Instructors in Cheesemaking, Dairying, Horticulture and Poultry-keeping.

Agric. Botany [Indep. Lectr.
Roberts, R. Alun, B.Sc.
Whitehead, T., M.Sc., Ph.D., A.R.C.S.
Adviser in Plant Pathology.

Agric. Chemistry [Prof.
Robinson, G. W., M.A. Camb.
McLean, W., B.A., B.Sc., A.R.C.Sc.I., A.I.C. Lectr.
Williams, Rice, M.Sc. Asst. Lectr.
2 Res. Assts.

Agric. Entomology [Adviser.
Walton, C. L., M.Sc., Ph.D.

Botany

Thoday, D., M.A. Camb. Prof.
Davey, A. Jane, M.Sc. Lond. Lectr.

Chemistry

Orton, K. J. P., M.A. Camb., Ph.D., F.R.S., F.I.C. Prof.
Watson, H. B., Ph.D., A.I.C. Lectr.
Soper, F. G., Ph.D., A.I.C. Lectr. in Physical C.
Asst. Lectr. & Demr.:
Bradfield, A. E., Ph.D.

Classics, v. also Theol.

Hudson-Williams, T., M.A., D.Lit. Lond. (Greek) Prof.
Thomson, H. J., M.A., D.Litt. St. And. (Latin) Prof.
Lees, Miss M. E., M.A. Manc. (Latin) Asst. Lectr.
Iliffe, J. H., B.A. ,, ,,

Economics

Higgs, H., C.B., LL.B. Lectr.

Education

Archer, R. L., M.A. Ox. Prof.
Paterson, Alice, M.A. Edin., Ph.D. Jena Lectr.
Thomas, Miss M. Lectr.
Hamilton, E. R., M.A., B.Sc. Lectr.
Williams, Ivor, B.Sc. Asst. Lectr.
Instructors in Drill, Handwork, and Rural Sc.

English Lang. and Lit.
Wright, H. G., M.A. Manc. Prof.
King, R. W., M.A. Lond. Lectr.
Davies, C., M.A. Wales Asst. Lectr.

Forestry
Thomson, T., M.Sc. Lectr.

French and Rom. Philol. [Prof.
Fynes-Clinton, O. H., M.A. Ox.
Cariou, Mlle. H., L. ès L. Asst. Lectr.

German and Teut. Philol.
Purdie, Edna, M.A. Liv., D.Lit. Lectr.

History, v. also Theol. [Prof.
Lloyd, J. E., M.A., D.Lit. Ox.
Dodd, A. H., B.A. Ox. Lectr.
Richards, T., M.A., D.Litt. Wales (Mod. Welsh H.) Reader.
Thomas, J. Alun, M.A. Wales, Ph.D. Lond. Asst. Lectr.

Logic and Philosophy, v. also Theol.
Gibson, J., M.A. Camb. Prof.
Lewis, Miss G. A., M.A. Lectr.
Stout, A. K., B.A. Ox. Asst. Lectr.

Mathematics
Berwick, W. E. H., M.A., Sc.D. Camb. Prof.
Phillips, E. G., B.A. Camb., M.Sc. Manc. Asst. Lectr.
Curnow, H. J., B.Sc. Jr. Lectr.

Music
Davies, E. T., F.R.C.O. Director.
Hamilton, E. R., M.A., B.Sc. Spl. Lectr.
5 Executants and Teachers.

Philosophy, v. Logic and Theol.

Physics
Owen, E. A., M.A. Camb., D.Sc. Lond., F.Inst.P. Prof.
Mainstone, P. A., M.Sc. Lectr.
Williams, W. Ellis, B.Sc. Lectr. in Applied Electricity.
Asst. Lectr. & Demr.:
Jones, H. Irvon, B.Sc.

Semitic Languages
Robertson, E., M.A., B.D., D.Litt. St. And. Prof.
Evans, Principal J. T., M.A., B.D. Spl. Lectr.

Theology, v. also Semitic
Spl. Lectrs.:
Jones, Principal J. M., M.A. (Church Hist.)
Jones, G. Basil, M.A. (Philos. Theism).
Daniel, J. E., B.A. (Philos. of Religion).
Jenkins, J. (Gwili), M.A., B.Litt.

Welsh
Morris-Jones, Sir J., M.A. Ox., LL.D. Prof.
Williams, Ifor, M.A. Prof. of W. Lit.
Parry, R. W., M.A. Asst. Lectr.

Zoology
White, P. J., M.B. Edin. Prof.
Lowe, Miss E., M.Sc. Liv. Asst. Lectr.

University Extension

Whole-time Lectrs.: Roberts, R. Silyn, M.A.; Jones, E. J., M.A. Half-time: Parry, R. W., M.A.; Thomas, J. A., M.A., Ph.D. Many other members of the Staff give single courses or combine in giving a series.

GENERAL INFORMATION (v. also p. 245)

This College, constituted by Royal Charter in 1885, was made a constituent College of the University in 1893. Until 1911 the Arts and the Science Departments were all housed in an old roomy hotel, but in 1911 the Arts Departments and the Library were moved to new buildings on a site in the heart of the city of over ten acres given by the City Corporation. The Science Departments remained in the old buildings until 1926, when they were moved to new (War Memorial) Buildings.

LIBRARIES. General, 50,000 vols. (Theology a strong feature). Welsh, 15,000, including the largest and best-equipped collection of Welsh periodicals in existence. MUSEUMS include special collections of fish, shell-fish, and fishing gear, Welsh antiquities, and Roman finds from Segontium (Roman fort at Carnarvon). FARM, 675 acres, chiefly sheep pasturage. Dairy.

Special facilities are offered for research in Welsh Language and Literature, Political, Social, Economic, and Religious History of Wales, and allied subjects.

COURSES. B.A. degree courses include among others a "special scheme of study based on the idea of citizenship." There are courses in Theology for B.D. degree, and full courses for the B.Sc. in Agric. and Rural Economy, Forestry, and Applied Electricity, as well as in Pure Sc. College *Diploma* courses in Agric. and in Estate Management (3 yrs.), and in Forestry and Elec. Engineering (2 years). The Agric. course is recognized by the Surveyors' Instn. as qualifying for Students' Proficiency examn. Courses for College Certificates (2) in Music. Other courses: First year of Med. study; 1 yr. post-graduate course for Teachers (Elem. and Secondary); for Kindergarten Certif.—Elem. 1 yr., Higher 2 yrs. and 1 term. Shorter courses in Agric. and Dairy work by itinerant lecturers.

FEES. Registration, 1 g. per session. Tuition, per session: Arts, £15; Science, £20; Medicine, 1st year (including lab.), £22; Post-graduate courses, non-lab., 6 gs.; with lab., 10 gs.; Agric., etc., diploma course, winter session £15 : 15s. (2 terms); Farm Practical Instruction, £5 (or 2 gs. a term). College societies (compulsory), £1 : 8s.

SCHOLARSHIPS, ETC., FOR GRADUATES. Several College awards ranging in value from £22 to £50, open to students of the College. Loan fund (£150) for helping poor students to complete courses. *See* also under Univ.

RESIDENCE. Hostels for 35 men (£47 p.a.) and 180 women (£49-£61). Total cost of living in lodgings and tuition in Bangor, from £70 to £80 per session.

UNIVERSITY EXTENSION, ETC. Local lectures in Literature, Econ., and Agric.; small lending libraries; Tutorial Classes in five counties. The Advisers in Agriculture conduct experiments and give expert advice to farmers and others.

PUBLICATIONS. *Calendar* (Sept.), 2s. 6d.; *Students' Handbook*, 1s.; *College Magazine*, one issue per term, 1s.; Prospectus free.

THE YEAR 1925–26

BENEFACTIONS. R. Roberts bequest for scholarships; Sir T. D. Owen fund, £10,000 for Dept. of Applied Electricity and Hydro-Electrics; Miss M. F. Rathbone, £5000, and other donors, £5000, for Memorial Buildings; family of late Rev. A. E. Briscoe Owen, Observatory and Telescope.

NEW DEPARTMENT. Agric. Botany.

NEW BUILDINGS, ETC. The Science Departments were moved into new (War Memorial) buildings. Farm land was purchased for extension of playing fields.

RETIREMENT. Prof. G. H. Bryan, succeeded by W. E. H. Berwick from Leeds. DEATH: Principal T. Rees. RESIGNATIONS: Prof. Taylor Jones, appointed Prof. of Nat. Philos. at Glasgow, succeeded by E. A. Owen from the National Physical Laboratory; A. S. Turberville, Lectr. in History, apptd. Sr. Lectr. at Manchester; J. Whatmough, whilst on leave holding professor-

ship at Cairo, apptd. Prof. of Comp. Philology at Harvard; Miss L. Thorpe, on marriage.

STUDENTS. Full-time: total, 555 (including 224 women); graduates 23 (w. 3); preparing for a first degree, in Arts and Pure Sc. 345 (w. 144), Med. 3, Theol. 6, Technology 5, Agric. 11 (w. 1); other full-time, in Arts and Pure Sc. 112 (w. 69), Theol. 23, Tech. 6, Agric. 24 (w. 7). Residing in hostels, 193 (w. 144). Part-time: 18 (w. 8).

DEGREES OBTAINED. M.A., 7 (w. 4); B.A., 50 (w. 28); B.D., 1; Ph.D., 3; M.Sc., 7; B.Sc., 26 (w. 4).

UNIVERSITY EXTENSION. Tutorial Classes, 17, with 324 students, chiefly in Economics and industrial history; preparatory classes, 6, with 116 students (Economics and Welsh); one-year classes, 11, with 256 students. Many single lectures were given by members of the staff, including several in Banking. The Ballard Mathews lectures were delivered by Prof. J. L. Myres of Oxford. The College and its hostels were used for summer schools and conferences of the Workers' Educational Association and Trade Union Council, National Savings movement, Inter-Universities Federation of the League of Nations Union, and two vocational Schools in Theology.

UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE, CARDIFF

PRESIDENT—Sir D. R. LLEWELLYN, Bart.

TREASURER—HENRY GETHIN LEWIS.

PRINCIPAL—A. H. TROW, D.Sc. Lond., F.L.S.

REGISTRAR—D. J. A. BROWN.

LIBRARIAN—S. O. MOFFET, M.A. Manc.

PROFESSORS, LECTURERS, ETC.

Agriculture (Advisory and Research Staff)

Rees, J., B.A., B.Sc. (A. Botany).
Thompson, H. W., M.Sc. Leeds (A. Zool.).
Bisset, N., M.R.C.V.S., F.Z.S. (Vet. Sc.).

Anatomy

Hepburn, D., C.M.G., V.D., M.D., C.M. Edin., F.R.S.E. Prof.
Evans, H. T., M.A., M.D. Ox., M.B., B.S., M.R.C.P. Lond. Asst. Lectr. & Demr.
Jones, A. M., M.D., Ch.B. Edin. Demr.
Burlend, T. H., M.A. Camb., B.Sc. Lond. Lectr. (Histol. & Embryol.).

Archæology [Lectr.

Nash-Williams, V.E., M.A. (Keeper of Dept. of A. in Nat. Museum).

Architecture

Purchon, W. S., M.A. Lond., A.R.I.B.A. Lectr.

Botany

McLean, R. C., M.A. Camb., D.Sc. Lond., F.L.S. Prof.
Crow, W. B., M.Sc., Ph.D. Lond., F.L.S. Lectr.

Quinlan, Christine E., M.Sc., N.U.I. Asst. Lectr. & Demr.

Chemistry, v. also Physiol.
Jones, W. J., D.Sc. Manc., M.Sc., F.I.C., F.Inst.P. Prof.
Perman, E. P., D.Sc. Lond., F.I.C., F.C.S. Asst. Prof.
Bassett, H. Ll., M.A. Camb., B.Sc. Lond., A.I.C. (Organic C.) Lectr.

Asst. Lectrs and Demrs.:
Cullinane, N. M., M.Sc., Ph.D. N.U.I., A.I.C.
Bowden, S. T., B.Sc.

Classics, v. also German
Tillyard, H. J. W., M.A. Camb., D.Litt. Edin. (Greek) Prof.
Freeman, Kathleen, M.A. Lectr.
Grundy, W. W., M.A. Camb. Prof. (Latin).
Richardson, L. J. D., M.A. Dub. Asst. Lectr.
Parry, T., B.A. ,, ,,

Economics and Pol. Science
Roberts, W. J., M.A. Ox. Fulton Prof.
Evans, R. T., B.A. Lectr.

Education
Phillips, W., M.A. Prof.
Wheeler, Olive A., D.Sc. Lond., M.Sc. Prof.
Jones, E. J., M.A. Lectr.
Barke, Ethel M., M.A. Dub. ,,
Hartley, Nora F., M.A. Manc. ,,
Asst. Lectrs.:
Amos, A. D., B.Sc. Lond.
Thomas, R., M.A.
Flight, Miss E. G.
Buchanan, J., M.A. Glas.
Morris, Eliz. M. D., M.A. Lond.

Engineering
Pippard, A. J. Sutton, M.B.E., D.Sc. Bris., A.M.I.C.E., F.R. Aero. S., A.M.I.Mech.E. Prof.
Thomas, S., M.Sc., A.M.I.E.E., A.M.I.Mech.E. Lectr.
Foster, P. F., B.Sc. Lond., A.M.I.Mech.E. Lectr.
Baker, J. F., B.A. Camb. Asst. Lectr. & Demr.
Aston, K., B.Sc. (Tech.) Manc., A.M.I.E.E. Asst. Lectr. & Demr.
A technical Asst.

English Lang. and Lit.
Brett, C., M.A. Ox. Prof.
McLean, Miss C. M., M.A. Edin. Lectr.
Llewellyn, E. C., B.A. Ox. and Wales Asst. Lectr.

French
Watkin, M., M.A., L. ès L. Ren., Ph.D. Zur., O.I.P. Prof.
Jones, P. Mansell, M.A., B.Litt. Ox. Lectr.
Bouzereau, J. C. M., L. ès L. Lecteur.
Leconte, F., L. ès L. Lectrice.

Geology
Cox, A. H., D.Sc. Birm., Ph.D. Stras., F.G.S. Prof.
Heard, A., M.Sc. Manc., Ph.D., F.G.S. Lectr.
Dingwall, Miss J. M. M., M.A., B.Sc. Edin., F.G.S. Lectr.

German
Lloyd, M. D. Idwal, M.A. Lectr.

Histology, v. Anat.

History [Prof.
Bruce, H., M.A. Ox., F.R.H.S.
Rees, Wm., D.Sc. Lond., M.A., F.R.H.S. Lectr.
Whale, Miss G., B.A. Asst. Lectr.

Hygiene and Public Health, v. *infra*

Law
Davies, E., B.C.L., M.A. Ox. Lectr.

Mathematics
Livens, G. H., M.A. Camb. Prof.
Taylor, D. G., M.A. Camb. and Glas., D.Sc. Glas. Lectr. (Pure M.).

Pope, A. H., B.Sc. Lond. Asst. Lectr.
Hayden, H. A., B.Sc. ,, ,,

Medicine, v. *infra*

Metallurgy
Read, A. A., D.Met. Sheff., F.I.C., F.C.S. Prof.
Jones, W. R. D., M.Sc. Lectr.
Handford, C., M.Met. Sheff. Asst. Lectr. & Demr.

Mining [Lectr.
Price, S. W., A.R.S.M., M.I.M.E.
Chubb, C. S., B.Sc. Asst. Lectr.

Music
Evans, D., Mus.D. Ox. Prof.
Lloyd, J. Morgan, Mus.B. Dub. Lectr.
10 Teachers.

Philosophy and Logic [Prof.
Scott, J. W., M.A., D.Phil. Glas.
Thorburn, J. M., M.A., B.Sc. Edin., B.A. Lond. Lectr.

Physics
Robinson, H. R., D.Sc. Manc., Ph.D. Camb. Prof.
Dunbar, R. T., M.A., B.Sc., Ph.D. Edin. Lectr.
Young, C. L., B.Sc. Lectr.
Asst. Lectrs. & Demrs.:
Harker, G. F. H., B.A. Camb.
Crackston, J. E., M.Sc. Liv.

Physiology
Brown, T. Graham, M.D., D.Sc. Edin. Prof.
Daly, I. de B., M.A., M.D. Camb. Lectr. (Expl. P.).
Pryde, J., B.Sc. St. And., M.Sc. (Lectr. in Physiol. Chem.) Asst. Lectr. & Demr.
Shaxby, J. H., D.Sc. Lond., F.Inst.P. Lectr. (Special Sense P.).
Peterson, J. M., B.Sc. Aberd. Asst. Lectr. & Demr.

Semitic Languages
Robinson, T. H., M.A. Camb., D.D. Lond. Lectr.

Welsh
Gruffydd, W. J., M.A. Ox. Prof.
Williams, G. J., M.A. Lectr.
Parry, T., B.A. Asst. Lectr.

Zoology [Prof.
Tattersall, W. M., D.Sc. Manc.
Lloyd, J. H., M.Sc. Birm., F.Z.S. Lectr.
Sheppard, Edith M., M.Sc., F.Z.S. Lectr.

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

Hygiene and Public Health
Collis, E. L., M.A., M.D. Talbot Prof. of *Preventive Med.*
Williams, E. Colston, M.D. Lond., D.P.H. Camb., F.R.C.S. Edin. Lectr.
Picken, R. M. F., M.B., Ch.B., B.Sc. Glas., D.P.H. Camb. Lectr.
Morgan, W. Parry, M.A., M.D. Camb., B.Sc. Lond. Lectr. (*Bact. & Parasit.*).
Sugden, J. H., M.Sc. Manc., F.I.C. Lectr. (*Hyg. Chem.*).
Buist, J. J., M.B. Instr. (Vaccination).

Materia Medica and Pharmacology, v. also Med.
Stevens, W. Mitchell, M.D. Lond., F.R.C.P. Lectr.
Beatty, J., M.A., M.D. Dub., D.P.H. Asst. Lectr.

Medicine
Kennedy, A. Mills, M.D., Ch.B. Glas. Prof., Dir. of Med. Unit.
Davies, Ivor J., M.D., B.S. Lond., F.R.C.P. Asst.*
Evans, H. T., M.A., M.D. Ox., M.B., B.S. Lond. Asst.

* On Staff of Infirmary and Recognized Clinical Teachers in the Med. School.

Evans, Abel, M.B., B.S.Lond. Asst.
Buist, J. J., M.B. Lond.
Lectr. (*Forensic M.*).
Howell, A., M.D. Lond.
Lectr. (*Dis. of Children*).*
Beatty, J., M.A., M.D. Dub., D.P.H. (Asst. Lectr. in *Materia Med.*) Lectr. (*Dermatology*).
Goodall, E., C.B.E., M.D., F.R.C.P., B.S. Lond.
Lectr. (*Mental Dis.*).
M'Garrity, J., M.D., D.P.H., Supt. of Instn. in Fevers.
Lewis, Cyril, M.D., C.M. (Edin.)*

Obstetrics and Gynæcology

Maclean, Sir Ewen J., M.D., M.Ch. Edin., F.R.C.P., F.R.S.E. Prof.
Strachan, G. I., M.D., Ch.B. Glas., F.R.C.S. Asst.*
Collins, B. K. Tenison, M.A., M.D., B.Ch. Camb., F.R.C.S.E. Asst.*
Adams, Mary I., B.Sc., M.B., B.Ch., B.A.O. Belf., D.P.H., Asst.

Pathology and Bacteriology

Kettle, E. H., M.D., B.S. Lond. Prof.
Duguid, J. B., M.B., Ch.B. (Glas.) Lectr. (*Pathology*)
Morgan, W. Parry, M.A., M.D. Camb., B.Sc. Lond.
Lectr. (Bact.).

Surgery

Sheen, A. W., C.B.E., M.S. Lond., F.R.C.S.
Prof. & Dir. of Surg. Unit.
Hammond, T. E., F.R.C.S. Asst.
Haycraft, J. B., M.C., M.B., Ch.B. Edin., F.R.C.S. Asst.
Rogers, L. C., F.R.C.S. Asst.
Cresswell, F. P. S., M.B., B.S., B.Sc. Lond., F.R.C.S.
Lectr. (*Ophth.*).*
Paterson, D. R., M.D., C.M. Edin., F.R.C.P., Lectr. (*Oto-Rhino-Laryngology*).*
Smith, S. Alwyn, D.S.O., O.B.E., M.D., Ch.M. Edin., F.R.C.S.E.
Lectr. (*Orthopædics*).
Greaves, H. Gordon, M.B., B.Ch. Camb. Lectr. (*Anæsthetics*).
Rhys, O. Ll., M.D. Edin.
Lectr. (*V.D. and Radiology*).
Evans, T. G., M.D., B.S. Lond., D.M.R.E. Camb.
Lectr. (*Physio-Therapy*).*
Evans, Miss Erie, M.B. Lond.
Lectr. (*V.D.*).
Jones, A. Mason, M.D.*
Griffiths, Cornelius A., F.R.C.S.*
Martin, W., M.A., M.B., C.M., B.Sc. Glas.*
Wade, J. O. D., O.B.E., M.B., M.S. Lond., F.R.C.S.*
Harries, D. J., M.D., B.S. Lond., D.Sc., F.R.C.S.*
Grant, J. W. Geary, F.R.C.S.*
Davies, D. Leighton, M.D., M.S. Lond., F.R.C.S.*
Thomas, J. W. Tudor, M.B., B.S. Lond., M.B., B.Ch.*

Tuberculosis

Cummins, S. Lyle, C.B., C.M.G., M.D., LL.D.
David Davies Prof. of Tuberculosis
Brownlee, A., M.D., F.R.C.S., L.D.S., D.P.H.†
Gilchrist, James C., M.D., Ch.B.†
Hiley, Melville R., M.R.C.S., L.R.C.P.†
Powell, D. A., M.D.†
Tytler, W. H., M.B., B.A.†
Johnson, A. C., M.A., M.B., B.C.†
Davies, W., M.R.C.S., L.R.C.P.†

University Extension

Tutors, 29 (including a few members of the College Staff). Joint Secy.—D. J. A. Brown, Regr.

* On Staff of Infirmary and Recognized Clinical Teachers in the Med. School.

† On staff of K. Edward VII. Welsh National Memorial Assocn. and recognized teachers in the Med. School.

ASSOCIATED INSTITUTIONS

TECHNICAL COLLEGE, CARDIFF. Principal, C. Cades, B.Sc.

SOUTH WALES AND MONMOUTHSHIRE SCHOOL OF MINES, TREFOREST. Principal, George Knox, F.G.S.

Both Institutions join with the University College in granting Diplomas, v. *infra* : College Diplomas.

GENERAL INFORMATION (v. also p. 245)

Opened in 1883 and incorporated by Royal Charter in 1884, this is now one of the constituent Colleges of the Univ. The Medical School was opened in 1894, the Engineering School in 1896. New College Buildings, containing the Arts and Administrative Blocks and the Drapers' Company's Library, were opened in Cathays Park (wherein the Univ. Offices are also located) in 1909, the Viriamu Jones Memorial Physical Research Laboratory in 1912. Physiological Dept. Buildings were completed and occupied in 1919, and formally opened in June 1921 by the Prince of Wales, who at the same time laid the foundation-stone of the buildings of the Dept. of Public Health and School of Preventive Medicine. In Oct. 1921 the development of the Medical School into the " Welsh National School of Medicine " enabled provision to be made for complete courses for a Degree or other qualification to practise Medicine.

LIBRARY : Drapers' Company's, 58,000 vols. MUSEUMS : Anat., Mat. Med., Path., Zool. The National Museum of Wales (Art, Archæol., Zool., Geol., Bot.) is located in an adjoining building. LABORATORIES : Physical Research, with liquid-air plant, etc. ; Engineering (including 100-ton testing machine) ; and usual Science and Medical teaching and Research labs. The Cardiff Royal Infirmary (between 300 and 400 beds), in which the final studies of the Welsh National School of Medicine take place, is within five minutes' walk of the College. Clinical facilities are available also in other local hospitals.

FACULTIES. Arts, Science, Medicine (Welsh National School of Medicine). *Departments* : Music, Applied Science and Technology, Teaching (Elem. and Secondary) ; Advisory and Research Dept. in Agric.

COLLEGE DIPLOMAS. Engineering, Metalliferous Mining, Metallurgy ; Welsh Lang. and Lit. ; Economics and allied subjects ; Music ; Social Study and Training. In the Applied Science subjects the qualifying scheme of study covers 3 years ; in the other subjects, 2 yrs. A Diploma in Biology is awarded after a one-year's course. A Joint Diploma in Coal Mining is granted by the Coll. and the S.W. and Monmouthshire School of Mines, 4 yrs.' residence being required. After a 4 yrs.' course students who desire to specialize in certain subjects can take a post diploma course. A Joint Diploma in Mech. Engin., Marine Engin., or Industr. Chem. is granted by this Coll. and the Cardiff Tech. Coll. after a 3 yrs.' course.

MEDICAL DIPLOMAS. Post-graduation courses are provided leading to the D.P.H. (1 year) and T.D.D. (Tuberculous Diseases) (3 to 6 months). Short courses are provided in Sanitary Science (leading to a Testamus given jointly by the Colleges and the Cardiff Technical College) (1 year), and in Midwifery for Midwives.

SCHOLARSHIPS (Prospectus obtainable from the Registrar). One of £60 is offered for research by a woman in any faculty, one of £50 (which may be increased by a bonus) for Science research. *See also* under Univ.

FEES. Annual Composition for tuition—Arts, £15 ; Science, £20 ; Music,

£15 ; Applied Science, £20 (Non-associated Counties, £30) ; Medical, £25 to £35 ; Hospital practice, Perpetual Hospital ticket, £12 : 12s. ; Teacher Training, £15 to £20 ; Research, 6 to 10 gs. ; Registration, 1 g. p.a.

RESIDENCE. 2 Hostels for women. Sessional Fees, £65 to £75. Board and lodging in the City can be obtained at about £2 per week.

PHYSICAL WELFARE OF STUDENTS. An Asst. Lectr. in Physical Training has been appointed, who also acts as College Director of Physical Training and Games.

PUBLICATIONS. *Calendar* (Feb.), 2s. ; *Students' Handbook* ; *Cap and Gown. Information regarding Courses and Careers open to Students of Science.*

THE YEAR 1925–26. BENEFACTIONS : £9648 : 15s. for Appeal Fund ; £435 : 8 for Scholarships and Prizes ; £200 for General Purposes ; £36 : 13 for Library. The Appeal Fund reached £132,182. NEW BUILDINGS : for Physics and Chemistry, to be completed by Dec. 1927 ; south façade of College buildings, to be completed at cost of £31,888, and used temporarily for Agric. Dept. ; for Medical Unit, to be paid for from Rockefeller Foundation grant ; Students' Union (War Memorial). RESIGNATIONS : Gilbert Norwood, apptd. Prof. of Latin, Toronto, succeeded by H. J. W. Tillyard from Birmingham ; R. D. Passey, apptd. Prof. of Experimental Pathology, Leeds ; Miss Annie Smith, and Dr. I. B. Saxby. RETIREMENTS : Prof. A. L. Selby, succeeded by H. R. Robinson from Edinburgh, and F. T. Arnold, succeeded by M. D. I. Lloyd from Manchester. STUDENTS : Full-time : total, 1043 (including 386 women) ; graduates 15 (w. 3) ; preparing for first degree in Arts and Pure Sc. 607 (w. 272), in Med. 138 (w. 24), in Applied Sc. 35 ; others, 248 (w. 87). In hostels, 92. Part-time : 82 (w. 18), of whom 27 (w. 4) were Med., 23 (w. 1) Law, and 7 Applied Science students. *Degrees obtained* : B.A. 86 (w. 54), B.Sc. 69 (w. 12), M.B., B.Ch. 6 (w. 2), B.Mus. 5 (w. 1), M.A. 4, M.Sc. 11 (w. 1), Ph.D. 3. *Extra-mural* students, 982 (w. 351).

UNIVERSITY COLLEGE OF SWANSEA

PRESIDENT—F. W. GILBERTSON, LL.D.

PRINCIPAL—.....

REGISTRAR—EDWIN DREW. LIBRARIAN—OLIVE M. BUSBY, M.A. Lond.

PROFESSORS, LECTURERS, ETC.

Biology

Mockeridge, Florence A., D.Sc. Lond., F.L.S. Lectr.
Rees, T. Kenneth, M.Sc. Asst. Lectr.
Hilton, Irene A. F., B.Sc. Liv. Asst. Lectr. & Demr.

Chemistry

Coates, J. E., O.B.E., D.Sc. Birm., M.Sc., F.I.C. Prof.
Hinkel, L. E., D.Sc. Lond., F.I.C. Lectr. (Organic C.).
Ayling, E. E., M.Sc. Lond., A.I C. Asst. Lectr.
Hartshorne, N. H., M.Sc. Birm. Asst. Lectr.

Classics

Evans, Prof. D. Emrys, B.Litt. Ox., M.A. Prof.
Grube, G. M. A., M.A. Camb. Lectr.
Hill, H., M.A. Sheff. Asst. Lectr.

Education
Cavenagh, F. A., M.A. Lond. Prof.
Jones, Idwal., M.A. Asst. Lectr.

Engineering
Bacon, F., M.A. Camb., A.M.I.C.E., M.I.M.E., M.I.E.E. Prof.
Isaacs, R. G., M.Sc. Bris., B.Sc. Lond., A.M.I.E.E. Lectr. (Elec. E.).
Fordham, A. A., B.Sc. Lond., A.M.I.C.E., M.I.Struct.E. Lectr. (Civ. E.).
Caswell, J. S., A.M.I.M.E. Asst. Lectr.

English
Thomas, W. D., M.A. Ox., B.A. Prof.
Taig, T., M.A. Glas. Asst. Lectr.
Westcott, Miss I. M., B.A. Bris., B.Litt. Ox. Asst. Lectr.

Geology
Trueman, A. E., D.Sc. Lond., F.G.S. Lectr.
Stuart, A., M.Sc. Durh., F.G.S. Asst. Lectr.

History [Prof.
Hughes, E. E., M.A. Ox., B.A.
Jones, G. Nesta, M.A. Asst. Lectr.
Medlicott, W. N. M.A. Lond. Asst. Lectr.

Mathematics
Richardson, A. R., D.S.O., B.Sc. Lond., A.R.C.S. Prof.
Dienes, P., D.Phil. Buda Pest, D. de l'U. Paris Lectr.
Wilson, R., M.A. Ox. Asst. Lectr.

Metallurgy [Prof.
Edwards, C. A., D.Sc. Manc.
Pfeil, L. B., M.Sc. Lond., A.R.S.M. Lectr.
Jones, J. C., M.Sc. Asst. Lectr.
Arrowsmith, J. C., M.Met. Sheff. Asst. Lectr.

Modern Languages
Williams, Mary, D. de l'U. Paris, M.A. Prof.

Asst. Lectrs.:
Diverres, P., M.A. Liv., D. ès L. Rennes, Officier d'Académie.
Matthews, Evelyn, M.A.
Pool, Miss E. M., M.A. Lond.

Philosophy
Heath, A. E., M.A. Camb. Prof.
Aaron, R. I., D.Phil. Ox., M.A. Asst. Lectr.

Physics
Evans, E. J., D.Sc. Lond., B.Sc., A.R.C.S. Prof.
Jones, W. Morris, M.A. Camb., M.Sc., F.Inst.P. Lectr.

Asst. Lectrs.:
Wright, L., M.Sc. Sheff.
Keeping, E. S., B.Sc. Lond., D.I.C., A.R.C.S.

Welsh
Lewis, Henry, M.A. Prof.
Lewis, Saunders, M.A. Liv. Asst. Lectr.

University Extension
Thomas, P. S., M.A. Staff Tutor.

GENERAL INFORMATION (v. also p. 245)

Incorporated by Royal Charter, dated Jan. 21, 1920, the College was made a constituent College of the Univ. of Wales under the terms of a Supplemental Charter granted to the Univ. on Aug. 13, 1920. The administrative offices, assembly hall, common rooms, and refectory, in addition to some of the Science departments, are accommodated in a mansion in Singleton Park, presented, together with 19 acres of land surrounding it and 15 acres for playing-fields, by the Corporation of Swansea, which also gave £50,000 towards the cost of Science buildings. Extensive laboratories have been erected in the Park, on a site adjacent to the main College building, for the departments of Metallurgy, Engineering, Chemistry, and Physics, and a building has been erected in the Park to accommodate the Arts Departments and Library.

Situated in the heart of a district possessing a long and interesting metallurgical history and presenting an unrivalled variety of present-day metallurgical practice, the College offers exceptional advantages for preparation for professional careers in the metallurgical industry. The manufacturers of the district, who contribute largely to the support of the College, give the staff and students ample opportunities of keeping in close practical touch with manufacturing processes in the works. To ensure the closest possible co-operation with the local industries, Advisory Committees in Metallurgy and Engineering have been set up. All of the College laboratories (Physics, Chem., Geol., Biol., Metall., Engin.) are new and well-equipped. They include exceptionally fine experimental plant for instruction and research in combustion engineering.

FACULTIES. Science and Arts. Departments: Metallurgy and Engineering, and Training of Teachers (men and women) for Elem. and Sec. Schools.

COURSES FOR DEGREES, ETC. Courses (3 years) of study are provided in preparation for the degrees of the Univ. in Pure and Applied Science and Arts; also in preparation for the College diplomas in Metallurgy and in Engineering; also complete Prelim. Science Course for medical students and classes in Law for articled clerks. Engineering students are expected, and, where necessary, helped, to obtain practical experience in works during the greater part of the summer vacation. Afternoon visits to works are arranged frequently throughout the session. Occasional lectures are given by experts on the business, administration and managerial side of industrial undertakings.

FEES. For tuition in Pure or Applied Science, £20; Arts, £15; Registration, £1: 1s. p.a.; for Research, from 6 to 10 gs.

RESIDENCE. Hostel for women students. A list of Registered Lodgings is kept by the Registrar.

THE YEAR 1925–26. *Benefactions*: Towards cost of Engineering Buildings, etc.: Coal Owners' Univ. Trust Fund, £2630. For special work on Yellow Metal in the Department of Metallurgy: British Copper Manufacturers, Ltd., £100. For research in Dept. of Metallurgy: Welsh Plate and Sheet Manufrs'. Assocn., £500. For Dept. of Engineering: National Oil Refineries, Ltd., £50. For General Purposes: Neath Steel Sheet and Galvanizing Co., Ltd., £50. *Annual Subscriptions*: £5290. *New Chair* of History was established (in place of Lectureship). *Resignations*: T. Franklin Sibly, on appointment as Principal Officer of the Univ. of London; P. Macnair (Metallurgy). *Students*: Full-time, 389 (including 146 women). Preparing for a first degree: full-time, in Arts and Pure Sc. 287 (w. 125), Med. 2 (w. 1), Applied Sc. 32; part-time, 5 (w. 1). Graduate students: full-time, 24 (w. 5); part-time, 2. Law diploma students, part-time, 19. Occasional students, 37 (w. 11). Taking courses not of a University standard, full-time, 44 (w. 15); part-time, 19. *Degrees obtained*: B.A., 39 (w. 17); B.Sc., 31 (w. 4); M.A., 1; M.Sc., 6 (w. 1). *University Extension Work*: 17 Univ. Tutorial Classes and 5 Pioneer Classes with 538 students. Four courses of 3 lectures each and many single lectures were given by members of the college staff in Swansea and elsewhere. Four special lectures to students, open to the public, were delivered in the College by members of the Staff and others. The Coal Owners' Univ. Trust Fund provided for 1 Tutorial Class and two short courses of lectures.

UNIVERSITY COLLEGE OF THE SOUTH-WEST OF ENGLAND, EXETER

PRESIDENT—H.R.H. THE PRINCE OF WALES and DUKE OF CORNWALL.
DEPUTY PRESIDENT—Sir HENRY Y. B. LOPES, Bart., M A., D.L.
PRINCIPAL—JOHN MURRAY, M.A. Ox.
VICE-PRINCIPAL—Prof. W. H. LEWIS, M.A.
REGISTRAR AND SECRETARY—A. K. WOODBRIDGE.

PROFESSORS, LECTURERS, ETC.

Astronomy
Lockyer, W. J. S., M.A. Camb., Ph.D. Gött. Hon. Lectr.

Botany, Zoology, and Horticulture [Head of Dept.
Sager, J. L., M.A. Camb.
Cumming, A. M., A.R.C.Sc.I. Asst. Lectr.

Chemistry [Prof.
Lewis, W. H., M.A. Ox., F.I.C.
Glasstone, S., D.Sc., Ph.D. Lond., A.I.C. Lectr. in Physical C.
King, Miss R., M.Sc. Lond. Lectr.
Harris, E. R. H., B.Sc. Lond. Asst. Demr.

Classics [Hd. of Dept.
Fletcher, F., M.A. Ox.
Gordon, Mary L., M.A., B.Litt. Ox. Asst. Lectr.

Commerce and Economics
Sykes, J., M.Com. Manc., B.A. Leeds Head of Dept.
Baster, A. S. J., B.Com., B.Sc. Econ. Lond. Asst. Lectr.
Cair, S. H., B.Sc. Econ. Lond. Asst. (Public Admn.).

Education and Psychology
Watkins, S. H., M.A. Wales, Ph.D. Leip. Prof.
Walker, Miss A. J., M.A. Birm., B.A. Lond. Lectr.
Mathias, Miss S. Y., M.A. Liv. Lectr.

Asst. Lectrs. :
Cawthorne, H. H., B.Sc. Lond., A.I.C.
Kaye, M., M.A. Lond.
8 Assts. and Pt.-time Lectrs. and Instrs. in Teachers' Training Dept.

English
Horrox, W. L., M.A. Camb. Prof.
Gollancz, Prof. Sir I. (v. p. 130) Hon. Leofric Lectr. in Old E.
Wright, Miss B. D., M.A. Edin., Ph.D. Lond. Lectr.
Martin Clarke, Mrs. D. E., M.A. Camb. Asst. Lectr.
de Reyes, Miss C. M., B.A. Birm. Asst. Lectr.

Geology and Geography
Lewis, W. S., M.Sc. Lond., F.G.S., F.R.G.S. Head of Dept.
Clayden, A. W., M.A. Camb., Visiting Director.
Williams, D. T., B.A. Wales Asst. Lectr.
Dickinson, R. E., B.A. Leeds Asst. Lectr.

History
Harte, W. J., M.A. Ox. Prof.

Asst. Lectrs. :
Dawson, C., M.A. Ox.
Henderson, C. G., B.A. Ox.
Wilkinson, B., M.A., Ph.D. Manc.
Handcock, W. D., M.A. Brist.

Keltic
Jenner, H., M.A. Wales Hon. St. Petrock Lectr.

Law [Head of Dept.
Morgan, J. G., M.A. Ox., LL.B Lond., Barr.-at-Law

Roberts, C. H., M.A. Ox., Barr.-at-Law Asst. Lectr.

Lectrs. in Book-keeping, etc.:
Bromhead, C. D., A.C.A.
Webster, J. E., F.R.Econ.S.

Mathematics
Brown, T. A., M.A., B.Sc. Edin., B.A. Camb. Prof.
Mallison, H. V., M.A. Camb., B.Sc. Lond. Asst. Lectr.
Unthank, H. W., B.A. Camb., M.A., B.Sc. Lond. Asst. Lectr.
Constable, K. M., M.A. Ox. Part-time Asst.

Modern Languages
Schopp, J. W., M.A. Lond. Prof.
Wilson, Miss M., M.A. Dub., L. ès L. Paris Asst. Lectr.
Starkie, Miss, B.A. Ox. Asst. Lectr.
Tallard, René, L. ès L. Paris Asst.

Music
Bullock, E., Mus.D. Durh., F.R.C.O. Head of Dept.

Philosophy [Hd. of Dept.
Levine, I., M.A., D.Litt. Glas.

Physics
Newman, F. H., D.Sc. Lond., A.R.C.Sc. Prof.
Searle, V. H. L., M.Sc. Lond. Asst. Lectr.
Werry, R. J., B.Sc. Lond. Asst. Demr.

Politics, International [Lectr.
Patterson, E. J., M.A. Camb.

University Extension

Chairman of Committee for External Studies and Joint Hon. Sec. for Tutorial Classes: E. J. Patterson, M.A. Tutor in Cornwall: C. G. Henderson, B.A. (v. History).

GENERAL INFORMATION

Founded 1865. Organized as University College, 1901. Incorporated 1922.

Classes in Arts, Science, Economics, Law, Music, Agr. and Horticulture prepare for London Univ. degrees. Courses are provided for Elementary and Secondary teachers, for entrance into Civil Service, and for the first year of Medical study. The Training Department is recognized as a Training College for Elem. and Secondary teachers. The Royal Albert Memorial Library (60,000 vols.) and Museum are closely associated with the College, and the important collections of books and scientific material are freely available for advanced students of the College. A Dept. of Music was opened in Oct. 1924. A Dept. of Commerce was inaugurated at the Plymouth Technical School in Oct. 1926.

ADMISSION. Minimum age, 17: though relaxation may be made under special circumstances.

TUTORIAL BOARDS in Arts and Science and a Committee for Economics have been appointed to supervise the studies of students.

FEES. Sessional: Intermediate course, 16 to 20 gs.; final course in Arts, 20 gs.; Science, £25; Law, 6 to 12 gs.; Research, 8 to 10 gs.; Teachers' Training Dept. (Elem. and Sec.), £10; Registration, £1.

AFFILIATION. The College is affiliated to the Univs. of Ox. and Camb. It is recognized by the Camb. Special Board for Med., and the Conjoint Med. Board as a place of instruction in Chem., Physics, and Biol., and by the Institute of Chemistry for instruction in preparation for the Associateship Examn.

RESIDENTIAL FACILITIES. For *women*—(*a*) Hope Hall (36); (*b*) Bradninch Hall (68), sessional fee, £50-£55; (*c*) Sandford Hall (30). For *men*—(*a*)

Reed Hall (70), sessional fee, £66-£70; (*b*) Grendon House (40), £60. All students not living at home must reside in one of the Halls of Residence.

SCHOLARSHIPS for graduates: one or two in Science awarded annually from Andrew Simons Scholarship Fund.

PUBLICATIONS. *Prospectus*, issued (free) in July; the *Ram*, College Magazine (terminally); the *College Field Club Proceedings*; Guild of Undergraduates' *Handbook*.

THE YEAR 1925–26

BENEFACTIONS. An appeal for funds for the erection of new College buildings was launched in Oct. 1925. £35,000 has been subscribed. £82 subscribed on retirement of A. Dufton was handed to the College by him for the encouragement of Music.

NEW DEPARTMENTS AND POSTS. In co-operation with the Plymouth Education Authority under a scheme adopted in 1924, a Department of Commerce was established at Plymouth. Besides preparation for the B.Com. Degree, the Department admits students engaged in banking, accountancy, transport, commerce, industry, public administration, etc., preparing for professional examinations. Economics, which was formerly treated as a Sub-Department of History, was made a separate and independent Department. New posts: Vice-Principal, Independent Lectr. in International Politics, Asst.-Lectrs. in Geography and Commerce, Part-time Asst. in Maths., Prof. of Modern Langs. (instead of Lectr.), Lectr. and (tempy.) Head of Dept. of Econ. and Comm.

PRINCIPALSHIP. Upon election to the Vice-Chancellorship of the Univ. of Manchester, Principal W. H. Moberly resigned as from Sept. 30, 1926. He was succeeded by John Murray, M.A. (Oxon), sometime Fellow of Merton, Tutor and Censor at Christ Church, and M.P. (1918–23) for West Leeds.

RESEARCH. A Special Research Fund, to which £160 was voted for 1925–26, was established for purchase of special apparatus and books. The Royal Society granted a further £130 to the Prof. of Physics for research in Spectroscopy. On behalf of the Ministry of Agric. and Fisheries the Chemistry Dept. continues to carry out investigations upon the suitability of the Rivers Exe and Teign for fish life, etc. At request of the Dept. of Sc. and Indust. Research, the Dept. of Physics is undertaking certain research on Radio Signals.

UNIVERSITY EXTENSION. 13 courses of Extension lectures were given during 1925–26, as against four in 1924–25.

CONFERENCES AND VISITS. The College received visits from Conferences of the Geographical Assocn. and the Assocn. of Univ. Teachers, and provided accommodation for the Annual Conference of the Organists' Assocn.

RECOGNITION OF COURSE. A One-Year Music Teachers' Course for students holding recognized degrees or diplomas, who may become Registered Teachers of Music on the course's completion, has been approved by the Teachers' Registration Council.

STUDENTS. Full-time: total, 329 (including 167 women); graduates 28 (w. 11); preparing for first degree, in Arts or Pure Science 188 (w. 95), Economics 18 (w. 4), Law 11 (w. 1), Med. 2; other full-time students, 82 (w. 56).

Part-time: total, 87 (w. 26); graduates 4 (w. 1); degree students 8 (w. 3); diploma in Law 27, Music 12 (w. 8), Tech. 5, Educn. 3 (w.); occasional, 28 (w. 11).

Pre-matriculation (included in above): 106 (w. 52).

Extra-mural: Tutorial class students, 137 (w. 61).

Degrees obtained: B.A. 28 (w. 17), B.Sc. 21 (w. 1), B.Sc.(Econ.) 1, M.A. 1 (w.).

UNIVERSITY COLLEGE OF NOTTINGHAM

PRESIDENT—His Grace the DUKE OF PORTLAND, K.G.

VICE-PRESIDENTS—Sir JESSE BOOT, Bart.; Alderman E. HUNTSMAN (Chairman of Council); Col. HENRY MELLISH, C.B.; H. F. LANCASHIRE, J.P.

PRINCIPAL—W. H. HEATON, M.A.

REGISTRAR—J. E. SHIMELD, F.C.I.S.

PROFESSORS, LECTURERS, ETC.

Biology

Carr, J. W., M.A. Camb. Prof.

Lectrs. and Demrs.:

Holden, H. S., D.Sc. Manc. (Botany) (Director, Sub-dept. of *Industrial Bacteriology*).

Bexon, Dorothy, M.Sc. Lond. (Bot.).

Chesters, Alice E., M.Sc. Liv. (Zool.).

Hutchinson, Miss H. J. (Physiology and Histology Lectr.

Chemistry and Metallurgy

Kipping, F. S., Ph.D. Mun., D.Sc. Lond., F.I.C., F.R.S. Prof.

Prideaux, E. B. R., M.A. N.Z., D.Sc. Lond., F.I.C. Reader.

Lectrs. and Demrs.:

Firth, J. B., D.Sc. Manc., F.I.C.

Trotman, S. R., M.A. Camb., F.I.C.

Watson, F. S., M.Sc. Manc.

Laxton, F. C., B.Sc. Lond., A.I.C.

Driver, J. E., M.Sc. Lond., A.I.C.

Shaw, B. D., B.Sc. Lond.

Smith, E. Bertram, M.B., B.S., D.P.H.

Storer, E. J., M.R.C.S., M.R.C.P.

Classics and Philosophy

Granger, F. S., D.Lit., M.A. Lond. Prof.

Barker, E. P., M.A. Ox., D.Litt. Durh. (Classics) Reader

Economics and Commerce

Kirkaldy, A. W., M.A., B.Litt. Ox., M.Com. Birm. Prof.

Radford, A., B.Sc. Econ. Lond. Lectr. in E.

Howard, S. C. Lectr. in C.

Blythen, S., F.C.A., Prof. of Acctcy.

Buyers, J. A., M.A. Glas. Tutor.

8 Lectrs. in Insurance and Practical Banking

Education

Wortley, H. A. S., M.A. Camb. Prof.

Lectrs.:

Newton, W. H., B.Sc. Lond.

Moncrieff, Miss A., M.A. Edin.

Becket, Miss E. M., M.A. Lond.

Ward, Miss L. M.

Adam, Anne K.

Lewis, M. M., M.A. Lond.

Lectrs. in Hygiene and in Needlework.

2 Lectrs. in Phys. Exercises.

Engineering and Technology, v. also Textiles [Prof.

Bulleid, C. H., O.B.E., M.A.Camb., A.M.I.C.E., M.I.Mech.E.

Lectrs. and Demrs.:

Cotton, H., M.B.E., M.Sc. Lond., A.M.I.E.E. (Dir. Sub-dept. Elect. E.).

Dickson, J. M., B.Sc. Lond.(M.E.), A.M.I.Mech.E.
Bedford, J., B.Sc.Lond., A.M.I.Mech.E., A.M.I.A.E.
Wilde, J. H., B.Sc. (Eng.) Lond.
Golding, E. W., B.Sc. Manc. (Elec. E.).
25 other Technical Teachers.

English
Hewitt, R. M., M.A. Ox. Prof.
Griffiths, G. S., M.A., B.Litt. Ox. Lectr.
Selby, Alice Lectr.
De Castro, Inez, M.A. Ox. Lectr.

Geology and Geography [Prof.
Swinnerton, H. H., D.Sc. Lond.
Beasley, C. G., M.A. Lond. Lectr. in Geog.
Edwards, K. C., B.A. Lond. Lectr. in Geog.
Clift, S. G., B.Sc. Lond. Lectr. in Geol.

Hebrew [Lectr.
Sanders, H. F., B.A., B.D. Lond.

History
Owen, L. V. D., M.A. Ox. Prof.
Brameld, Nina, M.A. Lond. Lectr.
Wood, A.C., M.A., B.Litt.Ox. Lectr.

Law
May, H. R. D., M.A., LL.B. Director of Dept.
Cursham, C. (Real Property) Lectr.
Granger, Prof. F. S., D.Lit., M.A. (Roman Law) Lectr.
Brameld, Miss N. M., M.A. (Constit. Hist.) Lectr.
Howard, S. C. (Book-keeping) Lectr.

Mathematics
Piaggio, H. T. H., M.A. Camb., D.Sc. Lond. Prof.
Green, H. G., M.A. Camb. Lectr.
Wickert, L. A., B.A. Camb. Lectr.
Underwood, F., B.Sc. Lond. Lectr.
7 other Lectrs.

Metallurgy, v. Chem.

Military Science [Dir.
Pickbourne, Capt. H., B.A. Lond.

Mining
McMillan, W. H., B.Sc. Glas., M.I.Min.E. Prof.
Watkins, W. G., M.I.Min.E., M.I.Mech.E. Lectr.
Whitaker, J. W., B.Sc. Lond., F.I.C., A.M.I.Min.E. Lectr.
Watson, J. M. R., B.Sc. Glas., A.M.I.Min.E. Lectr.
2 other Lectrs.

Modern Languages
Weekley, E., M.A. Camb. Prof.
Lectrs.:
Peck, Mrs. L. (English Phonetics).
Bourdache, E., B. ès L. (French).
Guigou, Mlle. M., L. ès L. (French).
Schweizer, W. R., Ph.D. (German).
Moroni, Mme. (Italian).
Lavrin, Prof. J. (Russian and Slavonic).
Chamberlain, G. L., M.A. Edin. (Spanish and Portuguese).

Music [Director.
Johnson, B., B.A., Mus.B. Camb.
Kirkaldy, Mrs. Tutor.
Lectrs.:
Henniker, L., B.Mus. Ox., F.R.C.O.

Pharmacy [Director of Dept.
Bentley, A. O., Ph.C.
Trease, G. E., Ph.C. Lectr.
Driver, J. E., M.Sc., A.I.C. Lectr.

Physics
Shaw, P. E., M.A. Camb., D.Sc. Lond. Prof.
Brose, H. L., Ph.D. Reader.
Lectrs. and Demrs.:
Franks, A. H., B.Sc. Lond.
Browning, Helen M., M.Sc., Ph.D. Lond., F.Inst.P.
Davy, N., B.Sc. Lond., A.R.C.Sc.
3 other Lectrs. and Demrs. in Telegraphy, etc.

Psychology
Sprott, W. J. H., B.A. Camb. Lectr.
Collie, Miss E. R., M.A., D.Ph. Edin. Tutor.

Technology, v. Engin., Textiles.

Textiles
Davis, W., M.A. Edin. Prof.
Lectrs.:
Barr, J. (Yarn Testing).
Trotman, S. R., M.A. Camb., F.I.C. (Dyeing and Bleaching).
Boswell, W. E. (Hosiery Manufacture)
Richardson, L. G. (Dyeing and Bleaching).
6 Demrs.

Zoology, v. Biol.

University Extension
Peers, Prof. R., M.A. Liv. Hd. of Dept.
Davy, H. N., M.A. Camb.
Kerman, Miss F., B.A. Lond.
Wright, G. G. Neill, B.A., B.Ed. Edin.
Thompson, Miss E. G., B.A. Ox.
Gray, J. L., M.A. Edin.
2 other Lectrs. and an Organizer.

ASSOCIATED COLLEGE: MIDLAND AGRICULTURAL AND DAIRY COLLEGE, Sutton Bonington. Subjects for the Final Examn. for the London B.Sc. in Agric. are taken at this College, those for the Intermediate only being taken at Univ. College, Nottingham.

GENERAL INFORMATION

The College, opened in 1881, is in the centre of the city. The Free Public Library is at present housed in the College building. New buildings are being erected on a site 3 miles distant.

COURSES: For London degrees in Arts, Econ., Com., Div., Science, Law, Med., Agric., Engin., and Mining; Diploma of the College in Comm., Geog., Adult Education, Engin., Mining, Mine Surveying, Hosiery, Dyeing and Bleaching, Petroleum Technology (each 3 yrs.); Social Study Diploma (1 yr.); Bd. of Educn. Elem. Teachers' Certifs. and Cambridge Secondary Teachers' Diploma; L.D.S.; Assoc'ships of the Insts. of Chem. and Physics; Colliery Manager's Certif.; Nat. Diploma of Inst. of Mech. Engineers; Law Society's Examns.; Civil Service Appointments; D.P.H.; Pharmacy Diplomas; L.R.A.M. and L.R.C.M.; Post-grad. and Research courses in Arts and Pure Science. Special English course for Foreigners.

Evening Classes, including some held on Thursday aftn. and Sat. morning and aftn., for London B.Sc., B.Sc. Econ., B.Sc. Engin. and Interm. Arts; St. And. L.L.A.; Comml.; Dispensing and Pharmacy; Sanitary Science; Engin. and Technology; Mining; Textiles, including Yarn Testing, Hosiery, Dyeing.

The session for Day Classes is Sept.-July; Evening, Sept.-April.

FEES. Tuition composition, per annum: Interm. or Degree courses in Arts, Div., or Econ.—20 gs.; in other Faculties, or Diploma courses in Commerce, Engin., Mining, Mine Surveying, or for A.I.C. or A.I.P.—30 gs.; Diploma course in Geography—20 gs.; Social Study Diploma (complete course)—£10; L.D.S.—18 gs.; Colliery Manager's Certif.—12 gs.; D.P.H. (complete course)—30 gs.; Pharmacy (complete course)—£30; Law—12 gs.; English course for Foreigners—£12; Registration fee, £1 p.a.; Union fee, £1: 5s. p.a.

Evening Classes, 15s. per session.

RESEARCH SCHOLARSHIPS in Arts and Science of from £30 to £50 are awarded annually in Dec. Special facilities for research in all subjects.

RESIDENCE. Mapperley Hall (men) and Cavendish House (women) primarily for Elem. Training students. Waverley House and Hollygirt (women)—inclusive fee, 30s. per week. Registered lodgings, 30s. to 40s. Students are, when possible, placed with private families.

UNIVERSITY EXTENSION. Extra-mural adult education is organized as a department of the Faculty of Arts. The Head of the Dept., a whole-time professor, is assisted by 7 staff tutors, 2 organizing lecturers, and many part-time tutors and lecturers.

PUBLICATIONS. *Calendar* (Oct.), 1s.; Day and Evening *Prospectuses*, 2d.; *The Gong*, 3 times a year; *Diary* (Oct.), 1s.

THE YEAR 1925–26

BENEFACTIONS. Sir Jesse Boot gave a further sum of £2500 in connexion with the erection of the new University Buildings; £1250 was raised for a Women's Hall of Residence; machinery to the value of £2000 was presented by local engineering firms to the Engineering Dept.; £577 was subscribed by local firms towards the erection of this equipment; gifts and loans of machinery were also made to the Textiles Dept.

NEW UNIVERSITY BUILDINGS. Erection proceeded rapidly. A committee was formed to raise funds for the erection of a Women's Hall of Residence. Possession has been obtained of a private hotel, the property of the College, providing additional accommodation for the Depts. of English, Modern Languages, and Adult Education.

DEVELOPMENT OF UNIVERSITY EXTENSION WORK. Appointment of an Assistant Organizing Lecturer to develop the work of the Miners' Welfare Committee in Derbyshire.

VISITS TO OTHER COUNTRIES. Dr. H. L. Brose, Reader in Physics, visited Australia to deliver courses of lectures at the Univs. of Sydney and Adelaide. G. S. Griffiths, Lectr. in English, gave a six weeks' course of lectures at the State Univ. of Iowa, U.S.A. F. W. Brookes was awarded a London Univ. Post-Graduation Travelling Research Scholarship in History.

RESIGNATIONS. W. A. Richardson, Lectr. in Geology and Civil Engineering, appointed Principal of Newark Technical College; succeeded by K. C. Edwards, Lecturer in Geography, and E. W. Golding, Lecturer in Engineering, formerly with Metropolitan Vickers Co. V. de S. Pinto, Staff Tutor in Literature, appointed Prof. of English at University College, Southampton, succeeded by H. N. Davy, formerly Lecturer under Workers Educational Assocn. DEATH: F. A. Wells, Lectr. in Maths.

STUDENTS. Full-time: total, 474 (including 167 women); graduates 17 (in Pure Science 13); preparing for a first degree, in Arts 92 (w. 53), Commerce 3 (w. 2), Economics 4 (w. 2), Pure Science 135 (w. 36), Applied Sc. 13, Med. 5; other full-time students, in Arts 90 (w. 65), Comm. 8 (w. 2), Pure Sc. 56 (w. 7), Appl. Sc. 49, Med. 2. Resident in hostels, 96 (w. 36).

Part-time day students: total, 250 (w. 66); graduates 11 (w. 4); degree students 11 (w. 2); diploma 34 (w. 12); occasional, in Arts 75 (w. 31), Applied Sc. 87 (w. 1), others 33 (w. 16). Part-time evening students: total, 2040 (w. 211); graduate 12 (w. 2); degree 67 (w. 6); diploma 184 (w. 15); occasional, 1775 (w. 188).

Extra-mural: preparatory classes, 263 (w. 143); Tutorial, 905 (w. 389); extension, 266 (w. 141); one-year, 579 (w. 308); vacation courses, 77 (w. 42).

DEGREES OBTAINED. B.A., 31 (w. 12); B.Com., 2; B.Sc.Econ., 1; B.Sc., 43 (w. 13); B.Sc.Engin., 3; B.Sc.Mining, 1.

UNIVERSITY COLLEGE, SOUTHAMPTON

VISITOR—H.R.H. THE DUKE OF CONNAUGHT AND STRATHEARN, K.G., K.P., K.T.

PRESIDENT—CLAUDE G. MONTEFIORE, M.A., D.D.

VICE-PRESIDENT—ALEX HILL, M.A., M.D., F.R.C.S.

TREASURER—Sir RUSSELL BENCRAFT, M.R.C.S., L.R.C.P.

PRINCIPAL—KENNETH H. VICKERS, M.A.

REGISTRAR—GEORGE GRANT, B.A.

PROFESSORS, LECTURERS, ETC.

Botany

Mangham, S., M.A. Camb. Prof.
Loader, Miss F. M., B.Sc. Lond. Lectr.

Chemistry

Boyd, D. R., D.Sc. Glas., Ph.D. Heid., F.I.C. Prof.
Smith, A. E. Clarence, B.A. Camb., A.I.C. Lectr. in Physical C.
Hardy, D. V. N., B.Sc. Lond. Demr.
Nicholls, C. E. C., B.Sc. Lond. Demr.

Classics

Forsey, G. F., M.A Lond. Prof.
Dyson, G. W., B.A. Camb. Lectr.

Commerce and Economics

Ford, P., B.Sc. (Econ.) Lectr. in Charge.
Hodgson, R. A., B.Com. Asst. Lectr.

Education and Philosophy

Cock, A. A., B.A. Lond. Prof.
Dudley, G., B.A., LL.B. R.U.I. (Lectr. in Logic) Sr. Lectr.
Hoare, Miss A. M., M.A. Lectr.
Steel, Miss M. J., M.A. Edin. Lectr.
Sumner, W. L., B.Sc. Lond. Lectr.
Ricks, Miss E. M. Asst. Lectr.
Dove, A. G. Part-time Asst. Lectr.

Engineering, Civ. and Mech.

Eustice, J., B.Sc. Lond., A.R.S.M., A.M.I.C.E. Prof.
Mann, E. E., M.Sc. Leeds, A.M.I.C.E. Lectr.
Glover-James, H., Dip.Eng. Edin., A.M.I.Mech.E. Lectr.
Ford, G. P. Asst. Lectr.
Moyle, R. C. Demr.

Engin., Elec., v. Physics

English

Pinto, V. de S., M.A. Prof.
Aubrey, Miss E. R., M.A. Lond. Lectr.
Crawford, S. J., M.A. Belf., B.Litt. Ox. Ind. Lectr.

Geography

Rishbeth, O. H. T., M.A. Ox. Prof.
Miller, Miss F. C., B.A. Leeds Lectr.
Tavener, L. E., B.A. Camb. Asst. Lectr.

Geology and Zoology

Sherriffs, W. R., M.A., D.Sc. Aberd. Prof.
Weeks, Miss K. E., B.Sc. Demr.

History
Lyttel, E. S., M.A. Ox. Prof.
Horrocks, J. W., D.Lit. Lond. Lectr.
Harlow, V. T., M.A., B.Litt. Ox. Asst. Lectr.

Law [Reader.
Cook, W. G. H., LL.D., M.Sc.

Asst. Lectrs. (part-time) :
Cannon, G. H. F., M.A. Ox.
Durant, W. Maitland, B.A., LL.B. Camb.
Groves, L. G., LL.B. Lond.

Mathematics, Pure and Applied
Watkin, E. L., M.A. Camb. Prof.
Casson, R., M.A. Camb. Lectr.
Trout, Miss A. M., B.A. Lond. Lectr.
Maunsell, F. G., B.A. Camb. Lectr.

Music
Leake, G., Mus.Bac. Durh., F.R.C.O. Prof.
Williams, D. C., F.R.C.O. Asst. Lectr.

Philosophy, v. Educn.

Physics & Electrical Engineering
Stansfield, H., D.Sc. Lond., A.M.I.E.E. Prof.
Spary, P. G., B.Sc. Lond., M. Eng. Sheff., M.I.E.E., A.M.I.C.E. Lectr. in Electro-technics.
Tomlinson, H. J., B.Sc. Lond., A.I.E.E. Lectr.
Carpenter, L. G., B.A., B.Sc. Ox. Lectr.
Chester, C. E., B.Eng. Sheff., A.M.I.E.E. Asst. Lectr.

Romance Languages and German
Patchett, E. W., M.A. Camb. Prof.
Hamilton, Miss G. H. Lectr.
Lawton, H. W., B.A., Dr. è Lettres, Paris Asst. Lectr.

Spanish
..... Lectr.

Zoology, v. Geol.

GENERAL INFORMATION

Founded 1850; opened as the Hartley Institution, 1862. Incorporated as the Hartley University College in accordance with a scheme of the Board of Education, 1902.

The Library, 41,000 vols., includes the Cope collection of Hampshire books, pamphlets, and broadsheets.

Classes in Arts, Science, Commerce, Engineering (Civ., Mech., and Elec.), Music, and Law prepare for the degrees of the Univ. of London. It provides courses for Elementary and Secondary Teachers, for entrance into the Civil Service, the first year of Med. Study, Pharmacy, Surveying, etc. It is recognized as a Training College for Elementary and Secondary Teachers. Through its Evening Classes (attended by upwards of 400 students) it performs the function of a Technical Institute. A Dept. of Law, instituted in 1923, is recognized as a Law School under the Solrs.' Act. The *Associateship* (Assoc. U.C.S.) implies, unless honorary, attendance at day or evening classes during at least one full session. *Diplomas* are awarded in Commerce, Engineering, Engin. Research, Geography, Advanced Geog., Law, and Music. Special Diploma in English for *foreign students*.

ADMISSION. The minimum age for both Day and Evening students is 16. Each full-time student is placed under the supervision of a member of the Staff, who acts as his Tutor.

FEES. The sessional fee is £25 for Courses in Arts, Commerce, and Music, £30 for Courses in Science, Engineering, and Teachers' Diploma (students whose parents are ratepayers within County Borough, Southampton—£18 : 15s. and £22 : 10s.).

SCHOLARSHIPS FOR GRADUATES. One of £60 for Research. One of instruction fees in Educn. Loan fund for senior students.

RESIDENTIAL FACILITIES. South Stoneham Hall of Residence for men; Warden—Prof. A. A. Cock, B.A. Highfield Hall, a Hall of Residence for Women; Warden—Miss E. R. Aubrey, M.A. South Hill, Hall of Residence for Women; Warden—Mrs. Ashdown.

PUBLICATIONS. *Calendar* (Sept.), free; Halls of Residence Prospectus, free; *Students' Magazine*, 6d.

THE YEAR 1925–26

BENEFACTIONS. George Moore bequest, £25,000, for general purposes; gifts to Appeal Fund (Appeal Organizer—Sir Mark Hunter) of £6000 from the President, £2600 from Old Wykehamists, £2100 from the *Daily Mail*, and many minor gifts.

NEW BUILDINGS. A new Botany Building is now in course of erection, at a cost of £5000. An Astronomical Observatory was constructed. A new pavilion was erected on the Athletic ground.

Ten PUBLIC LECTURES were given at the College by eminent men.

UNIVERSITY EXTENSION WORK. The University Extension Lecture Scheme in conjunction with the University of Bristol and the University College, Exeter, has developed during the session in a satisfactory manner, and 23 lectures were delivered in the Southampton area.

RESIGNATIONS. Prof. B. Ifor Evans, appointed Prof. of English at Sheffield, succeeded by V. de Sola Pinto, formerly a lecturer at University College, Nottingham; T. A. Sinclair, appointed Reader in Classics in Univ. of London (Birkbeck College); Mrs. A. Green, appointed Head of the Secondary Training Dept. at St. Mary's College, Lancaster Gate; Dr. F. J. Smith, appointed Asst. Lectr. in Chemistry at the Municipal Technical School, Liverpool; A. Schofield; A. Plummer, appointed Lectr. in Economics at Ruskin College, Oxford; R. M. Gabriel, appointed Lectr. in Mathematics at Leeds; A. Watson, appointed as Instructor at Lord Wandsworth Orphanage.

STUDENTS. Full-time: total, 310 (including 156 women); graduates 2; preparing for first degree, in Arts 97 (w. 67), Science 79 (w. 26), Law 1, Economics 16 (w. 11), Engin. 10, Music 1, Comm. 2 (w. 1); other full-time, in Education 87 (w. 46), Engin. 7, Music 6 (w. 5), others 2. Resident in hostels, 192 (w. 98).

Part-time: total, 300 (w. 34); graduates 2 (w. 1); degree students 19 (w. 5); diploma in Engin. 60, Science 35 (w. 4), Law 33 (w. 3), Comm. 8; occasional, in Engin. 107, others 36 (w. 21).

Pre-matriculation students (included in above), 87 (w. 46).

Extra-mural: Three-year tutorial class students of Economics and Local Government, 114 (w. 28).

A Students' Inter-Varsity Debate was held for the first time in the new Assembly Hall; twelve Univs. and Univ. Colleges were represented.

DEGREES OBTAINED. B.A., 24; B.Sc., 13; B.Sc.Econ., 1; B.Sc.Engin., 1.

THE SCOTTISH UNIVERSITIES

ST. ANDREWS ABERDEEN
GLASGOW EDINBURGH

REPRESENTATIVES IN PARLIAMENT

Sir GEORGE A. BERRY, M.B., LL.D.; DUGALD M'COIG COWAN, M.A.; Rt. Hon. Sir HENRY CRAIK, Bart., K.C.B., M.A., LL.D.

IN CONSTITUTION these 4 Universities have under the operation of the Univs. (Scotland) Acts, 1858 and 1889, been to a great extent assimilated. By the former Act 2 new bodies, called the Univ. Court and General Council, were instituted; by the latter a Committee of H.M.'s Privy Council was constituted, and an Executive Commission was created with extensive powers, which it continued to exercise till the end of 1897. These Commissioners issued ordinances, *inter alia*, for degrees, for the instruction and graduation of women, for special study and research, and for the constitution of a Students' Representative Council with power to petition the Senatus Academicus and the Univ. Court.

The *Chancellor* is elected (for life) by the General Council, of which he is President. He is empowered to nominate a *Vice-Chancellor*, who may confer degrees in his absence, but cannot discharge any other of his duties. The Vice-Chancellorship is at the present time held in each Univ. on the Chancellor's nomination by the *Principal*, who is appointed by the Crown (except in Edinburgh) and is President of the Senatus Academicus, and, in the absence of the Rector, of the Univ. Court. The *Rector* is elected every 3 years by the matriculated students. He is the official President of the Univ. Court.

The *University Court* consists of the Rector, Principal, the Lord Provost of the City (in St. And. the Provost of St. Andrews and Lord Provost of Dundee), and Assessors appointed by the Rector, Chancellor, Senatus, General Council, and (except in St. Andrews) Town Council. In St. Andrews the Principals of St. Mary's Coll. and Univ. Coll., Dundee, are also included in it. There is provision for the representation of other affiliated Colleges. The Court, a body corporate with full power to administer the property belonging to the Univ., is a Court of Appeal from the Senatus and has power, since the expiration of the powers of the Commrs. under the Act of 1889, to found new chairs with the approval of the Univs. Committee and make other ordinances with the approval of H.M. in Council. It has, *inter alia*, powers to appoint professors whose chairs are in the patronage of the Univ., examiners and lecturers; to define the nature and limits of a professor's duties under his commission; and to recognize for graduation purposes the teaching of any College or individual teacher, under the regns. providing for such recognition.

The *Senatus Academicus*, consisting of the Principal, the whole of the Profs., and certain Readers and Lecturers, is entrusted with the regulation and superintendence of the teaching and discipline of the Univ. The administration of the Libraries and Museums is entrusted to Joint Committees elected two-thirds by the Senatus and one-third by the Court.

The *General Council* consists of the Chancellor, the members of the Univ. Court, the Profs., such Lecturers and Readers as have held office for a year, and the Graduates of the Univ. It meets twice a year and may hold special meetings at the instance of the Chancellor. Proposed improvements in the arrangements of the Univ. must be submitted to the Council for their consideration.

The General Councils of the four Universities elect three *Members of Parliament.*

FACULTIES. In all the Univs.—Arts, Science, Divinity, Medicine. In all except St. Andrews—Law. In Edin. only—Music. In Glas. and Aberd.—Engineering (Edin. and St. And. have departments and offer degrees in Engineering, although not a separate Faculty).

TERMS. The academic year is divided into three terms—Oct. to Christmas, Jan. to latter part of March, April to end of June or early July.

ADMISSION (v. also pp. 5, 662). The Regulations for admission to a graduating course in a Univ. prescribe that a candidate shall have obtained a Group Leaving Certificate of the Scottish Education Department showing passes in four subjects, one of these being Mathematics or Science and another a language other than English. Two, at least, must be on the higher standard ; and three on the higher standard will be required unless one of the passes is in Mathematics or Latin on the higher standard, or unless both Mathematics and Latin have been passed (either higher or lower standard). Candidates who have not obtained a Leaving Certificate may be admitted on passing a Preliminary Examn. in four subjects under similar restrictions and conditions.

Exemption (*pro tanto*) is granted in consideration of having passed approved equivalent examns. Candidates from abroad, whose native language is other than English, must pass a Special examn. in English (held in March, Sept., and Oct. ; in set works and an oral examn.). Candidates from the British Empire overseas, whose native language is English and who have passed examns. which would admit them to Univs. or Tech. Colleges affiliated to Univs. in their own country, will be exempted. Indian students must have obtained a first-class in the Interm. examn. in Arts or Science of an Indian Univ., and must at some stage of their course have passed in Maths. or Science and English. Similarly the Baccalauréat-es-Lettres or ès-Sciences will exempt from the Prelim. examn. ; Certificates of Maturity or Grades similar to the French Baccalauréat which would entitle the holder to enter upon a regular course of study in the Univs. of his own country will similarly exempt other students from the continent of Europe ; and students of the U.S.A. holding certificates which would admit to a regular

graduating course in any of the Univs. or Colleges approved by the Assocn. of American Univs. (v. Appendix XXV.) will be exempt.

N.B. A Certificate submitted as proof of title to admission to Univs. abroad should be accompanied by an authenticated declaration by a Government Official or Official of an Agency-General, Embassy, Legation, or Consulate of the country to which the applicant belongs, testifying that it has the alleged value. If in a foreign language, certificates should be accompanied by certified English translations.

Argentine Certificates giving admission to the Univ. of Buenos Ayres, the B.A. degree of St. John's, Shanghai, the first-class certificates of the Anglo-Chinese College, Amoy; and, if including Arabic, English, and Maths., the Egyptian Secondary Education Certificate, have been recognized as exempting from the Prelim. examn.

The holder of a Degree obtained otherwise than *honoris causa tantum* in any British or foreign Univ. is exempt from all Prelim. Examn.

Applications for exemption on the ground of having passed any of the above-mentioned examns., *or on other grounds*, should be addressed to the Secretary of the Entrance Board, 81 North Street, St. Andrews.

DEGREES and courses leading thereto (v. also p. 14). The *M.A.* (ordinary) course (there is no B.A.) extends over 3 yrs. and includes (for ordinary degree) subjects from 3 of the 4 departments of the Faculty, namely Lang. and Lit., Ment. Philos., Science, Hist. and Law. (There are further restrictions at St. Andrews, v. p. 311.) A candidate for the degree must not only have regularly attended, but also have duly performed the work of the classes in the qualifying courses. The first 2 yrs. may be taken in any of the Scottish Univs. The Senatus may accept attendance given and examns. passed at other Univs. specially recognized for the purpose, if qualifying courses for at least 2 yrs. (St. And., 1 yr.) are attended and the Degree examns. are passed in the Univ. granting the degree. For the purpose of reckoning duration of study an academic yr. is constituted by attendance on at least 1 course (Glas. and St. And., 2 courses) of study in each of the 3 terms. The degree is never conferred *honoris causa.* For M.A. (Hons.) 4 yrs.' study is generally required.

The *B.Phil.* and *B.Litt.* are conferred only by St. And. A candidate for either of these degrees must take the M.A. either before or along with it. The standard of the Final examn. is that of the M.A. Honours.

The *B.Com.* conferred by St. And., Aberd., and Edin. may be taken, under conditions as to place of study similar to those for the M.A., after courses covering at least 9 terms.

The *Ed.B.* involves a 2 yrs.' course subsequent to the first 3 yrs. of study for a previous degree, in addition to Professional training or experience as a teacher.

The practical part of the training of students preparing for the *Teaching Profession* is provided by the several Provincial Committees, which likewise recognize attendance at Univ. classes as qualifying for their certificates.

The B.Sc. in Pure Science. The course for the ordinary degree covers 3 yrs. (Edinburgh 4 yrs.) and includes from 6 to 9 courses, of

which 4 or 5 (St. And., 2) must be taken in the Univ. which is to grant the degree. The other courses may be taken in other Univs. or Institns. approved, or under teachers recognized for this purpose, by the Univ. Court. The degree with Honours requires 4 yrs , and is of a standard not less high than that required for M.A. (Hons.).

The B.Sc. in Applied Science can be obtained as follows : Engineering (St. And., ordinary, 3 yrs. ; Edin., ordinary and honours, both 3 yrs. ; Glas., 4 yrs., the branches in which honours are obtainable being Civ., Mech., Elec., Mining, and Chemical E., and Naval Archit.; Aberd., ordinance in preparation). Mining Engineering (Edin., ordinary, 4 yrs.). Applied Chemistry (Glas., honours, 4 yrs.). Technical Chemistry (Edin., ordinary, 4 yrs.). Architecture (Glas., honours, 4 yrs.). Agric. (Aberd., Edin., and Glas., ordinary, 3 yrs. ; honours, 4 yrs.). Forestry (Aberd., ordinary, 3 yrs. ; Edin., ordinary, 3 yrs. ; honours, 4 yrs.). Pharmacy (Glas., ordinary, 3 yrs.). Public Health (Edin. and Glas., 18 months after graduation in Med.). Vet. Sc. (Edin., 4 yrs.).

Higher Degrees in Arts and Science. The D.Sc. in Pure Science, in Engin. (Edin., Glas., St. And.), Pub. Health (Edin., Glas.), Mining (Edin.), Agric. (Edin.), and Vet. Sc. (Edin.), and the D.Litt. are open to graduates of 5 yrs.' standing A thesis is required and, except in the case of a graduate of a Scot. Univ. with an Honours degree (St. And., an Honours graduate of the Univ. granting the degree), research under supervision extending over 2 yrs. in the Univ. which is to grant the degree. These degrees are never granted *honoris causa.*

Divinity. The B.D. examn. of any of the Univs. is open to a graduate in Arts of a Scottish or other approved Univ. or the holder of any Univ. Degree or Diploma recognized as an equivalent by the Univ. Court who has completed his Theol. course (3 yrs.), of which not less than 2 yrs. has been in the Univ. in which he proposes to take the B.D. All the examns. must be passed at the Univ. granting the Degree. The D.D. is honorary. The Gifford Lectures in Natural Theology are open to the general public.

Law. The B.L. course (3 yrs.) is open to students who have passed the Prelim. or its equivalent. Candidates for the degree must produce evidence of a sufficient knowledge of Latin before entering the Class of Civil Law. The LL.B. (3 yrs.) is open to graduates in Arts of a Univ. of the U.K. or any other specially recognized.

Of the B.L. course 1 yr. and of the LL.B. 2 yrs. may be spent in any specially recognized Univ. or School of Law.

St. And. does not at present provide full courses for or grant these degrees.

The LL.D. is honorary.

Medicine. Three of the requisite 5 yrs. of medical study for the M.B. and Ch.B. may be spent in any Univ. of the U.K. or other Institn. specially recognized for the purpose or under a teacher recognized by the Univ. A candidate who has at any such Univ. completed a course and passed an examn. in Chem., Physics, or Biology qualifying for a degree in Science, Arts, or Med. may be exempted by the Senatus from the corresponding part of the M.B., Ch.B. examns. Aberd., Edin., and

St. And. extend this concession to courses and examns. in Anatomy and Physiology qualifying for a degree in Science (St. And.—or Arts or Med. ; Edin.—or Med.).

A graduate in Medicine of at least 24 yrs. of age who has, subsequent to graduation, been engaged for at least 1 yr. in attending the Med. (or Surg.) wards of a hospl., or in scientific work bearing directly on his profession, or in the Naval, Milit., Colonial (Aberd., Edin., Glas.), or, for the M.D. (St. And.—M.D. or Ch.M.), Pub. Health Med. Services, or 2 yrs. in practice not restricted to Surg. (or Med.), and passed the prescribed examn. and submitted a satisfactory thesis, may be admitted M.D. or Ch.M. as the case may be.

Ph.D. See p. 18.

FEES. The Matriculation, 2 gs. *per annum* ; inclusive Tuition fees *per annum* in Arts are 15 gs., in Science 25 to 35 gs. ; examn. fees for M.A., 7½ gs. ; B.Sc., 9 gs. ; Divinity, 7½ gs. ; Law, 9 gs. ; M.B., Ch.B., 33 gs. ; graduation, £1. Further information is given in the several Univ. sections.

RESEARCH OR SPECIAL STUDY may be prosecuted in a Univ. under supervision by persons suitably qualified, whether graduates or not, admitted by the Senatus. Access to and the use of the Univ. laboratories, etc., may be obtained on such conditions as to payment and otherwise as the Univ. Court may determine. The title of Research Fellow may be conferred with or without a stipend on specially distinguished research students.

APPOINTMENTS COMMITTEES have been constituted in all the Univs. to help students to find employment.

SCHOLARSHIPS. Provision for affording Univ. instruction and maintenance to students of small means is probably nowhere more ample than in Scotland. Besides the numerous bursaries, etc., awarded by the Univs., and the Carnegie Trust benefactions (v. *infra*), the Provincial Committees for the Training of Teachers award bursaries, according to the necessities of students, of from £5 to £25, and travelling, hostel, and other special allowances, and Secondary Education Authorities may assist any duly qualified person resident in their areas to enter or attend a Univ., Training Coll., etc.

Scholarships, etc., for Graduates. The following are open to graduates of all the Scot. Univs. : (1) Carnegie Scholarships (£150) and Fellowships (£250) and grants in aid of Research. Application forms supplied by the Carnegie Trust, 22 Hanover St., Edinburgh. (2) Ferguson—six of £80 each for 2 yrs. for graduates in Arts. Ferguson Bequest Fund, 94 Bath St., Glasgow. (3) M'Cunn—two of £200 and two of £400 for 1 yr., for medical research. M'Cunn's Trustees, 160 West George St., Glasgow. (4) Shaw Philosophical—£200 for 5 yrs. for graduates in Arts (in the Patronage of Edinburgh Univ.). (5) Blackie—in Greek, £154 for 1 yr. for graduates in Arts distinguished in the B.D. examns. (6) Hume Brown—in Scottish History, £65 for 1 yr. for graduates in Arts ; managed by the Univ. of Edin. (7) Maclean (Semitic Languages), £175 for 1 yr. for graduates in Arts preparing to enter the Ministry of the Church of Scotland ; managed by the Univ. of Glasgow. (8)

Crombie (Biblical Criticism), £50 for 1 or 2 yrs. for graduates in Arts with First Class Hons. in Classics; managed by St. Andrews. (9) Shaw Macfie Lang (Science), Income of £3000 for Hons. Graduates in Arts or Science; managed by Edinburgh.

CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND. Offices at Merchants' Hall, 22 Hanover Street, Edinburgh. Secretary, Jas. Robb, LL.B.; Treasurer, Jas. Davidson.

The annual income of the Trust is about £125,000, one half of which is devoted to (A) the improvement and expansion of the Universities of Scotland in the faculties of Science, Medicine, History, and Mod. Langs., and extending opportunities for scientific study and research, and Technical or Commercial Univ. education; the other half to (B) assisting Scottish students in the payment of Univ. class fees. Any surplus not required for (B) in any year is to be devoted to (A). Institutions in Scotland recognized by the Executive Committee of the Trustees as preparing students for graduation or as providing technical or commercial education of University 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.

The Regulations for Assistance in the payment of Class fees provide, *inter alia*, that applicants should hold the Leaving Certif. of the Scottish Educn. Dept. bearing evidence of such preliminary education as is required by the Univs. for their respective graduating curricula. Where for satisfactory reasons such Leaving Certif. has not been obtained, the Exec. Committee may accept instead what they deem equivalent evidence of attainments, provided that no applicant will be eligible who has to pass any further prelim. examn. before completing his graduating curriculum. Class Fees paid for 1925–26: St. Andrews—£4392 for 337 beneficiaries; Glasgow—£27,455 for 2247; Aberdeen—£9294 for 792; Edinburgh—£16,071 for 1335.

The annual report of the Executive Committee contains reports of experts on the work of beneficiaries under the Research Scheme and lists of papers published by them. Research Fellowships, Scholarships, and Grants awarded for 1926–27: St. Andrews—26, value £4849; Glasgow—29, value £3795; Aberdeen—24, value £2685; Edinburgh —21, value £1551. Total—100, £12,880.

Under a Fifth Quinquennial Scheme of Distribution for the period from Oct. 1, 1925, to Sept. 30, 1930, there has been allocated a sum of £231,225, distributed thus: St. Andrews centre—£38,000; Glasgow—£73,600; Aberdeen—£46,250; Edinburgh—£73,375.

THE SCOTTISH STUDENTS' INTER-UNIVERSITIES CONFERENCE. At this Conference, which is held annually, and meets in rotation at St. Andrews, Aberdeen, Glasgow, and Edinburgh, the students of the 4 Univs. discuss matters of general interest to them all. The Students' Representative Council of each Univ. sends 4 delegates, one of whom must be a woman. The convener of the International Academic Committee (v. p. 7) also attends, and each Univ.'s Union and Students' magazine are represented. The President and Secretary of the Con-

ference are the President and Secretary of the Students' Representative Council of the Univ. at which the Conference is held. A record of the work of each Conference is printed and distributed to each of the Univs. concerned. The 33rd Conference will be held at Glasgow in 1927. The Inter-Universities International Academic Committee of the S.R.C.'s appoints "Academic Consuls" in the principal university centres overseas. The committee is glad to help students from overseas visiting Scotland. Information as to lodgings, etc. can be obtained from the International Academic Secretary, S.R.C. Office, University of Edinburgh.

UNIVERSITY OF ABERDEEN

CHANCELLOR—His Grace THE DUKE OF RICHMOND AND GORDON, K.G., G.C.V.O., C.B., LL.D.

VICE-CHANCELLOR AND PRINCIPAL—Very Rev. Sir GEORGE ADAM SMITH, M.A., D.D., LL.D., Litt.D., F.B.A.

RECTOR—Rt. Hon. VISCOUNT CECIL OF CHELWOOD, P.C., K.C. (elected 1924).

DEANS OF FACULTIES. See under "General Information"—Faculties.

SECRETARY TO THE UNIVERSITY—H. J. BUTCHART, D.S.O., B.L.

CLERK AND REGISTRAR OF GENERAL COUNCIL, AND LIBRARIAN—W. D. SIMPSON, M.A., D.Litt.

UNIVERSITY COURT

PRESIDENT—THE RECTOR.
THE PRINCIPAL, *ex officio*.
THE LORD PROVOST OF ABERDEEN, *ex officio*.
J. E. CROMBIE, M.A., LL.D.
Sir THOMAS JAFFREY, LL.D.
H. J. GRAY, M.A., B.L.
GEORGE DUNCAN, M.A.
GORDON JOHN MURRAY, M.A., D.D.
GEORGE SMITH, M.A., LL.D.
J. SCOTT RIDDELL, M.V.O., C.B.E., M.A., M.B., C.M., LL.D.
Prof. ASHLEY W. MACKINTOSH, M.A., M.D.
Prof. H. M. MACDONALD, O.B.E., M.A., F.R.S.
Prof. JAS. GILROY, M.A., D.D.
Prof. JOHN MARNOCH, C.V.O., M.A., M.B., C.M.

PROFESSORS, LECTURERS, ETC.

Accounting & Business Methods
Reid, J., M.A., C.A. Lectr.
Grant, John, M.A., C.A. Asst. (Agric. Book-keeping).

Agriculture, v. also Eng., Nat. Hist., Law, Vet. Hyg.
Hendrick, J., B.Sc. Lond. Strathcona-Fordyce Prof.
Profeit, W. J., M.A., B.Sc. (Agr.) Lectr.
Donald, G., B.Sc. (Agr.) Asst.
Findlay, W. M. (Seed Testing) Asst.

Agric. Botany
Clark, R. M., B.Sc., F.L.S. Lectr.

Agric. Chemistry
Hill, Alfred, B.Sc., B.Sc. Agr. A.I.C. Asst.
Hendry, F. W. F., B.Sc., A.I.C. Asst.

Anatomy, v. also Embryol.
Low, Alexr., M.A., M.D. Reg. Prof.
Lockhart, R. D., Ch.M. Lectr.
Galloway, Alexr., M.A., M.B. Asst.

Art [Lectr.
Kelly, W., LL.D. (Architecture)
Rollo, R. Leslie, A.R.I.B.A. (Principles and Hist. of Archit.) Lectr.
Townend, H., M.A. (Painting) Lectr.
Prof. Laird. Lectr. (Theory of Art).
Swainson, Willan, F.R.C.O., A.R.C.M. Lectr. (Music).
Prof. Harrower Lectr. (Sculpture).

Astronomy and Meteorology
Roberts, Owen F. T., M.A. Camb. Lectr.

Banking
Cowie, R. H. Lectr.

Bio-Chemistry
Beard, E., B.Sc., A.I.C. Lectr.

Biology, v. Nat. Hist.

Botany
Craib, W. G., M.A., F.L.S. Reg. Prof.
Redington, G., M.Sc. Leeds Lectr. in Veg. Physiol.
Smith, Alex., M.A., B.Sc. Asst.
Chater, E. H., B.Sc. Asst.

Celtic and Comp. Philology
MacDonald, John, M.A. Reader.

Chemistry, v. also Agric.
Findlay, Alexr., M.A., D.Sc., Ph.D. Leip. Prof.
Gray, F. W., M.A., D.Sc. Lectr.
Thomas, Wm., D.Sc. Wales, B.A. Camb., Ph.D., A.I.C. Lectr.
Reade, T. H., M.Sc. Birm., B.A. Camb., A.I.C. Lectr.
Humphries, J. E., M.Sc. Wales, B.A. Lond. and Camb., Ph.D. Lond., D.Sc. Asst.
Campbell, Alan N., M.Sc., Ph.D. Lond. Asst.

Chemistry, Clinical [Lectr.
Lyall, Alex., M.A., M.D., M.R.C.P.

Classics
Harrower, J., LL.D. Glas., M.A. Reg. Prof. (Greek)
Duff, A. M., M.A., B.Litt. Ox. Asst.
Wood, Margaret, M.A. Asst. (Greek).
Mordaunt, Frances G., M.A. (Lectr. in Gk. Hist., Lit. and Art) Asst.
Souter, A., M.A., D.Litt., D.D. Reg. Prof. (Humanity).
Cameron, Archibald, M.A. Glas., B.A. Ox. Asst. (Latin).
Baxter, W. A., M.A. Asst. (Latin).
Little, J. R., M.A. Asst. (Latin).

Divinity, v. Theol.

Economics, v. Pol. Econ.

Education
Walker, Norman T., M.A. Edin., Ed.B. Lectr.
Oakley, C. A., B.Sc. Asst.

Embryology
Purser, G. L., M.A. Edin. Lectr.

Engineering
Blackadder, W., D.Sc. Edin., A.M.I.C.E. Jackson Prof.
Stewart, F. R., B.Sc. (Eng.) Glas., A.M.I.C.E. Asst. (*Agric. E.*).
Cruickshank, A., M.C.I. ,, ,,
McKellar, D. J., B.Sc. (Eng.) Lectr. (Elec. E.).
Biggam, J., B.Sc. (Eng.) Lectr. (Mech. E.).
Grassie, J. C., B.Sc. (Eng.) Asst. (*Forest E.*).

English, v. also Public Speaking
Jack, A. A., M.A. Glas., LL.M. Camb., LL.D. Glas. Chalmers Prof. of E. Lit.
Taylor, W. D., M.A. Glas., B.A. Ox., M.A. Lectr. (E. Lit.).
Abbott, C. C., M.A. Lond., B.A., Ph.D. Camb. Lectr. (E. Lang.).
Mursell, W. A., M.A., D.D. (Part-time Asst.).
Cruickshank, Dorothy M., M.A. (Part-time Asst.).

Fisheries, Scientific Study of
Bowman, A., D.Sc. Lectr.

Forestry, v. also Engin. [Prof.
Borthwick, A. W., O.B.E., D.Sc.
Fraser, G. K., M.A., B.Sc., B.Sc. For. Lectr. in Soils.
Laing, E. V., M.A., B.Sc., B.Sc. For. Asst.

Forest Botany and Forest Zoology
Watt, A. S., B.A. Camb., M.A., B.Sc. Agr., Ph.D. Camb. Lectr.

French
Shears, F. S., B.A., L.-ès-L., D. de l'Univ. (Paris) Prof.

Casati, E., L. ès L. Lyons Lectr.
Lenz, E. E. Asst.
Bain, Margaret I., M.A. Asst.

Geography
McFarlane, J., M.A. Edin., M.Com. Manc., B.A. Camb. Reader.

Geology [Kilgour Prof.
Gibb, A. W., M.A., D.Sc.
Mackinnon, W. G., B.Sc. Asst.

German [Reader.
Bruford, W. H., M.A., Camb.
Mowat, J. L., M.A. Asst.
Dieth, E., Ph.D. Zür. Asst.

Hebrew and Semitic Langs.
Gilroy, J., D.D. St. And., M.A. Reg. Prof.

History, v. also Law, Theol.
Terry, C. S., M.A., Litt.D. Camb., Hon. Mus.D. Edin., LL.D. Glas. Burnett-Fletcher Prof.
Henderson, J. M., M.A. Edin. Lectr. (British Hist.).
Matheson, K. C. C., M.A. Asst.

Law, v. *infra*

Logic
Ferguson, A. S., M.A. St. And. and Ox. Reg. Prof.
Grant, William S., M.A. Part-time Asst.

Mathematics
Macdonald, H. M., O.B.E., M.A., F.R.S. Prof.
Goodwillie, J., M.A. Camb. & Edin., B.Sc. Edin. Lectr. & Asst.
Burnett, D., M.A., B.Sc. Asst.

Medicine, v. *infra*

Meteorology, v. Astron.

Music, v. Art

Natural History [Reg. Prof.
Thomson, J. A., M.A., LL.D. Edin.
Lectrs.:
Rennie, J., D.Sc. (Agr. Zool. and Parasitology).
Neill, R. M., M.A. Glas. (Zool.)
Rennet, Nita I., B.Sc. Asst. (Zool.).
Cumming, Catherine M., B.Sc. Asst. (Agr. Zool.).

Philology, v. Celtic

Philosophy, Moral
Laird, John, M.A. Edin., B.A. Camb. Reg. Prof.

Philosophy, Nat.
Thomson, G. P., M.A. Camb. Prof.
Fyvie, W. W., D.Sc. Lectr.
Geddes, A. E. M., O.B.E., M.A., D.Sc. Lectr.
Griffith, H. D., B.A. Camb. Asst.
Law, A. C., M.A. Asst.

Physiology [Reg. Prof.
MacWilliam, J. A., M.D., F.R.S.
Reid, C., M.A., B.Sc., M.D., D.P.H. Camb. (Expl. P.) Lectr.
Fiddes, J., M.D. Asst.
Orr, J. B., D.S.O., M.A., D.Sc., M.D. Glas. Research Lectr. (P. of Nutrition).

Political Economy
Gray, A., M.A. Edin. Jaffrey Prof.
Macdonald, Annie, M.A. (Lectr. in Pub. Finance) Asst.
Hamilton, H., M.A., D.Litt. Glas. (Econ. Hist.) Lectr.

Psychology, Comparative
McIntyre, J. L., M.A. Edin. and Ox., D.Sc. Edin. Anderson Lectr.

Public Speaking
Mursell, W. A., M.A., D.D. (Asst. in English) Lectr.

Spanish
Davidson, C., M.A. Lectr.

Statistical Methods
Tocher, J. F., D.Sc. Croll Lectr.

Theology
Baird, A. C., M.A., D.D., B.Sc. Glas. (Bibl. Crit.) Reg. Prof.
Henderson, G. D., M.A., B.D. Glas. (Church Hist.) Reg. Prof.
Fulton, W., M.A., D.D., B.Sc. Glas. (Systematic T.) Prof.

Barnes, Rt. Rev. E. W., M.A., Sc.D., F.R.S. Gifford Lectr.

Veterinary Hygiene and Agr. Bacteriology

Brown, Wm., B.Sc. (Agr.), M.R.C.V.S. Lectr.

Grant, J. C., M.R.C.V.S. Asst.

Zoology, v. For., Nat. Hist.

Law

Stuart, A. M., K.C., LL.B. Edin., M.A. Prof.

Edwards, J. H., LL.B. (Part-time Asst.)

Williamson, R. B., LL.B. Tutor in Law.

Constit. L. and Hist.

Williamson, R. M., LL.B. Edin., M.A. Lectr.

Conveyancing

Morrison, A. C., O.B.E., M.A. St. And., LL.B. Glas. Lectr.

Internat. L., Public and Private

Duncan, G., M.A. Lectr.

Procedure and Evidence & Merc. Law for Comml. Students

Blacklaw, A., M.A. Clark Lectr.

Roman Law

Masson, R. P., LL.B. (Asst. in *Agric. L.*) Lectr.

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

Bacteriology [Prof.

Cruickshank, J., M.D., D.Sc. Glas.

Kerrin, J. C., M.B. Asst.

Forensic Med.

..... Prof.

Richards, R., M.A., M.D. Lectr.

Williamson, G., M.A., M.B. (Med. Ethics) Lectr.

Director of Physical Training

Brocks, Capt. A. W., M.C., M.B.E.

Materia Medica

Marshall, C. R., M.A. Camb., M.D. Manc., LL.D. Reg. Prof.

Hendry, A. W., M.D. Asst.

Macdonald, T. J. C., M.B., Ch.B. Asst.

Medicine [Reg. Prof.

Mackintosh, A. W., M.A., M.D.

Anderson, A. G., M.A., M.D., M.R.C.P. Lond. Part-time Asst.

Midwifery [Reg. Prof.

McKerron, R. G., M.A., M.D.

Semple, R., O.B.E., M.D. Part-time Asst.

Pathology [Wilson Prof.

Shennan, T., M.D. Edin.

Gray, J., M.B. Edin. Asst.

Girdwood, R. O., M.B., Ch.B. ..... Georgina McRobert Lectr. (Cancer Research).

Public Health [Lectr.

Kinloch, J. P., M.D. Glas., D.P.H.

Berry, D. W., M.D., D.P.H. Lectr.

Middleton, E. L., M.D., D.P.H. Edin. Lectr. (*Factory Hygiene*).

Surgery

Marnoch, J., C.V.O., M.A., M.B., C.M. Reg. Prof.

Anderson, Wm., M.B., Ch.B., F.R.C.S. Asst.

Tropical Medicine

Williamson, G. A., D.T.M. Liv., M.A., M.D. Lectr.

Tuberculosis, Sanatorium Treatment of

Stewart, I. S., M.D. Edin. Lectr.

ASSOCIATED COLLEGES

North of Scotland College of Agriculture.

Robert Gordon Technical Colleges. Agricultural Engineering classes for candidates for the B.Sc. degree in Agr. are at present held here.

GENERAL INFORMATION (v. also p. 272)

The " University and King's College of Aberdeen," founded under a Papal Bull in 1494, and the " Marischal College," founded in 1593 by George Keith, Earl Marischal, were reconstituted in 1860 as " The University of Aberdeen." Certain of the original buildings remain, notably the Chapel (A.D. 1500).

The LIBRARY, founded in 1500, has 250,000 vols. and 200 Incunabula, some unique. It is especially rich in Celtic literature, and books bearing on the history, topography, and antiquities of the Scottish Highlands, and Classical Archæology. Annual budget about £3500. MUSEUMS: Anthropological (illust. cat. 1s.), Surgical (2500 specimens and 600 instruments), etc. Besides the usual LABORATORIES there is the Rowett Institute of Research in *Animal Nutrition* near Bankhead, with departments of Physiology, Bio-Chemistry, Bacteriology and Pathology, and attached Animal Husbandry section for practical experiments in feeding, etc. It is under the management of a joint committee of the Univ. and the N. of Scotland College of Agric. Hospitals available for clinics: Infirmary, 230 beds; Children's, 85; Fever, 100; Mental Hospital, 700.

FACULTIES. Arts, Science, Divinity, Law, Medicine. Deans: Profs. Macdonald (Maths.), Findlay (Chemistry), Baird, Stuart, Shennan.

Departments: Commerce, Education.

DEGREES, ETC. (v. p. 274). For Diploma courses in Agric. (3 yrs.) and Forestry (2 yrs.) there is a preliminary examn. in English and Maths. The papers in the Final examn. in Agric. are the same as those set for the B.Sc. Agr. Diplomas are also conferred in Public Health (D.P.H.) and in Fine Art (History and Theory). A Certificate in Fine Art is also given.

The following Univs. have been recognized by the Univ. Court *pro tanto* as institutions in which 3 of the requisite 5 yrs. of medical study may be taken, provided that the prescribed conditions with reference to such study are fulfilled: Bom., Calc., Mad., Adel., Melb., Syd., N.Z., S. Africa, Dal., Queen's (Kingston), Tor., McGill, Chic., Corn., J.H.U., Harv., Stanf., Mich., Penn., Yale. Individual teachers in other Univs. may be recognized upon satisfying the Univ. Court with respect to their courses. The following have been recognized in respect of courses and examns. in Bot., Zool., Biol., Physics, and Chem. qualifying for a degree in Science or in Arts or in Med.: Bom., Calc., Mad., All., Panj., Rangoon, Melb., Syd., Adel., Queen's (Kingston), McGill, Tor., Manit., S. Africa. The courses and examn. in Anat. and Physiol. for the Science degree of the Univ. of Cape Town have been recognized.

FEES (v. also p. 276). Inclusive fees for tuition: B.D., 40 gs.; LL.B., 40 gs. (28 gs. for a M.A. of the Univ.); B.L., 30 gs.; M.A. and B.Sc. taken together, 112½ gs.; M.A. and B.Com., 75 gs.; B.Sc. and B.Com., 112½ gs.; M.B., Ch.B., 126 gs.; M.A., M.B., Ch.B., 156 gs.; B.Sc., M.B., and Ch.B., 168 gs.; M.A., B.Sc., M.B., and Ch.B., 202 gs.; M.A. (Hons.), 60 gs.; B.Com., 45 gs.; B.Sc. (Ord.), 90 gs.; B.Sc. (Hons.), 100 gs.; M.A. (Hons.) and B.Sc., 127½ gs. The total cost of the whole medical curriculum, including hospital fees, classes, matricn., and degree fees, is usually about £236. The degree fees for the Doctorates are from 10 to 20 gs. The class and examn. fees for the D.P.H. amount to 36 gs.; for the Diploma in History and Theory of Fine Art, and for the Certificate in Fine Art, to 8 gs. and 15 gs. respectively.

SCHOLARSHIPS, ETC., for graduates (v. also p. 276) about 25; aggregate annual value about £1600. *Travelling Scholarships*: Anderson, for medical graduates, about £200 p.a.; Kilgour, £250 for graduates in Natural Science or Natural History; Robbie, £100 p.a. in Maths., Nat. Philos., and Chem.

RESIDENCE. No Univ. Hostel. List of lodgings kept by Students' Repve. Council.

PHYSICAL WELFARE OF STUDENTS. There is a Director of Physical Training (who is an officer of the Army), with a woman assistant for women students.

PUBLICATIONS. *Calendar* (Sept.), 4s. 6d.; *Univ. Review*, 7s. 6d. p.a. (3 issues); *Students' Handbook* (Nov.), 1s.; *Alma Mater* (organ of S.R.C.); *Univ. Libr. Bulletin*, 2s. 6d. p.a. (2 issues).

THE YEAR 1925–26

BENEFACTIONS. Carnegie Trust, towards chairs in Forestry, French, and Bacteriology, £37,000; lect'ship in Bio-chemistry, £6000; for library, £1000. Sir George and Lady Anderson, £5000. Archibald Carmichael bequest, £5101. Alexr. Kilgour, £6018. Aberdeen Univ. Endowment Assocn., £300. D. Mackie, £661 for Bursary in Science. A. Dyce Davidson, £300 for Memorial Medal. Anne H. Cruickshank, £753.

HONORARY DEGREES. *D.D.*—Wm. Cruickshank, W. A. Elmslie, J. N. Farquhar, J. S. MacDonald. *LL.D.*—Sir John Anderson, J. B. Baillie, W. M. Calder, W. E. Johnson, R. W. Reid, Lord Allenby, Justice Greer, F. W. Oliver, T. B. Wood.

OTHER DEGREES. In Arts—D.Litt. 1, Ph.D. 1, M.A. 177 (including 106 women); Science—D.Sc. 2, Ph.D. 3 (w. 1), B.Sc. 38 (w. 14), B.Sc.Agr. 8 (w. 1), B.Sc.For. 1, B.Com. 13; Div.—Ph.D. 1, B.D. 1; Law—LL.B. 2, B.L. 5; Med.—M.D. 10, M.B., Ch.B. 50 (w. 9).

NEW POSTS. The new chairs of Forestry, Bacteriology, and French were filled: Dr. Borthwick was formerly scientific adviser to the Forestry Commission; Dr. Shears was Reader in Romance Philology at King's College, London. Steps were taken towards founding a Hugh McLennan Chair of Conveyancing. An independent Lectureship in Roman Law, lectureships in Electrical and Mechanical Engineering, and an Assistantship in Engineering, with special reference to Forestry, were instituted. It was resolved to institute a Dept. of Clinical Chemistry to be situated in the Royal Infirmary buildings, and to appoint a Director of Physical Training (an officer of the Army) with a qualified woman assistant for women students.

NEW COURSES instituted: Forest mensuration for Agric. students; elementary New Testament Greek for Arts and Divinity students.

NEW BUILDINGS for the Dept. of Engineering were erected, and those occupied by the Forestry Dept. were adapted for Engineering. New buildings for the Forestry Dept. were completed. A new heating plant (£9000) was completed. New playing fields were acquired. Plans for a new Examination Hall and class-rooms were made.

RETIREMENTS. Profs. R. W. Reid, M. Hay, W. L. Davidson. RESIGNATIONS: M. Skene, Lectr. on Plant Physiology, on appointment as Lectr. in Bristol; O. de Selincourt, Asst. in Moral Philos., on appointment as Lectr. in Belfast.

STUDENTS. Matriculated, 1399 (including 535 women); in Arts 756 (w. 439), Sc. 229 (w. 58), Div. 19, Law 37, Med. 301 (w. 34), Comm. 57 (w. 4). Non-matriculated, 84.

A POST-GRADUATION COURSE IN MEDICINE in the summer term was attended by 90 graduates in Medicine.

UNIVERSITY OF EDINBURGH

CHANCELLOR—Rt. Hon. THE EARL OF BALFOUR, K.G., O.M., D.C.L.

VICE-CHANCELLOR AND PRINCIPAL—Sir J. ALFRED EWING, K.C.B., M.A., D.Sc., LL.D., F.R.S.

RECTOR—Rt. Hon. Sir JOHN GILMOUR, Bart., D.S.O., M.P. (elected 1926).

DEANS OF FACULTIES. See under "General Information"—Faculties.

SECRETARY TO THE UNIVERSITY—W. A. FLEMING, M.A., LL.B., Advocate.

UNIVERSITY COURT

PRESIDENT—THE RECTOR, *ex officio*.

THE PRINCIPAL, *ex officio*.

The Rt. Hon. THE LORD PROVOST OF EDINBURGH, *ex officio*.

The Hon. LORD BLACKBURN.

The Hon. LORD CONSTABLE.

Bailie T. B. WHITSON.

R. M'KENZIE JOHNSTON, M.D.

J. ROBERTON CHRISTIE, O.B.E., K.C.

Sir NORMAN WALKER, M.D., LL.D.

J. B. CLARK, M.A.

Prof. T. P. LAIRD, M.A., C.A.

Prof. Sir T. HUDSON BEARE, B.A., B.Sc., M.I.C.E.

Prof. NORMAN KEMP SMITH, M.A., LL.D., F.B.A.

Prof. Sir ROBERT W. PHILIP, M.D., LL.D.

PROFESSORS, LECTURERS, ETC.

Accounting and Business Method
Laird, T. P., M.A., C.A. Prof.
Keddie, C., C.A. Asst.

Actuarial Science
Gwilt, R. L., F.F.A., F.I.A. Lectr.
Mein, C. B., B.A., F.F.A. Lectr.

Agriculture and Rural Economy, v. also Bot. and Forestry
Shearer, E., M.A., B.Sc. Prof.
More, J. A., B.Sc. Lectr.
Gordon, J. Evans, B.Sc. Lectr.

Agric. and Forest Entomol.
MacDougall, R. S., M.A., D.Sc. Reader.

Anatomy
Robinson, A., M.D. Prof.
Jamieson, E. B., M.D. Lectr.
Wood, W. Q., M.B. Lectr.
Jardine, F. E., M.B. (A. and Applied A.) Lectr.

Anatomy, Comparative
Bradley, O. C., M.D., D.Sc. Lectr.
Grahame, Tom, M.R.C.V.S. Asst.

Anatomy, Morbid
Davidson, James, M.B. Lectr.

Anthropology and Prehistoric Archæol.
Prof. Baldwin Brown Munro Lectr.

Arabic
Bell, Richard, M.A., B.D. Lectr.

Archæology
..... Prof.

Art (Fine Art)
Brown, G. Baldwin, M.A. Ox., LL.D. Prof.
Nicolson, Catherine A., M.A. Asst.

Astronomy
Sampson, R. A., M.A.Camb., D.Sc., F.R.S. Reg. Prof.

Banking
M'Neil, A., S.S.C. Bruce Lectr.

Biology, v. Nat. Hist.

Botany, v. also Forestry
Smith, Wm. Wright, M.A., F.R.S. Reg. Prof.
Wilson, M., D.Sc. (Mycol. and Bacteriol.) Reader.
Smith, J. L. S., M.A., B.Sc. (Forest B.) Lectr.
Matthews, J. R., M.A., B.Sc. Lectr.
Graham, R. J. D., D.Sc. (Plant Physiol.) Lectr.

Celtic Languages, etc.
Watson, W. J., M.A. Ox., LL.D. Prof.

Chemistry
Walker, Sir James, D.Sc., F.R.S.
Mackenzie, J. E., D.Sc., Ph.D. Reader.
Kay, S. A., D.Sc. Lectr.
Rule, H. G., Ph.D., D.Sc. Lectr.
Shoesmith, John B., D.Sc. Lectr.
Butler, J. A. V., M.Sc. Lectr.
Bolam, T., M.Sc. Lectr.
Ludlam, E. B., M.A., D.Sc. Lectr.
Miller, Miss C. C., M.Sc., Ph.D. Asst.
Kerr, R. N., B.Sc., Ph.D. Asst.
Mackenzie, Mary R., B.Sc., Ph.D. Asst.
Numbers, Annie H., M.A., B.Sc., Ph.D. Asst.
Coutie, A., B.Sc., Ph.D. Asst.
6 other Assts.

Chemistry in relation to Medicine
Barger, G., M.A. Camb., D.Sc., F.R.S. Prof.
Stewart, C. P., M.Sc. Durh. Asst.
Stedman, E., B.Sc., Ph.D. Lectr.
Stedman, Ellen, M.Sc. Asst.
Easson, Alex. P. T., B.Sc. Asst.
Coyne, F. P., B.Sc. Asst.
Easson, L. H., B.Sc. Asst.

Chemistry, Technical
Bain, David, D.Sc. Lectr.

Classics, Greek
Mair, A. W., M.A. Camb., Litt.D. Aberd. Prof.
Fitzherbert, J. A., M.A. Camb. Lectr.
Forbes, P. B. R., B.A. Camb. Asst.

Classics : Latin
Richmond, O. L., M.A. Camb. Prof.
Mill, J., M.A. Lectr.
Fordyce, C. J., M.A. Lectr.
Potter, K. R., M.A. Asst.
Nicholson, Miss C. A., M.A. Asst.
Tennant, Miss M. K., M.A. Asst.

Commerce, and Organization of Industry
Oliver, W., B.Sc., A.M.I.C.E. (v. also Acc., Banking) Prof.

Commercial and Polit. Econ. and Merc. Law, v. also Law
Ogilvie, F. W., M.A. Ox. Prof.
Birnie, A., M.A. (Econ. Hist.) Lectr.
Rankin, Mary T., M.A., D.Phil. Lectr.
Joynt, Thomas A., M.A. Lectr.
Fenelon, K. G., M.A., Ph.D. Lectr.
Aitken, A. C., D.Sc. (Statistics and Math. Econ.) Lectr.

Cytology, v. Nat. Hist.

Divinity
Paterson, W. P., LL.D. Penn., M.A., B.D., D.D. Prof.
Wilson, T., B.D. Gunning Lectr.
Curtis, W. A., M.A., B.D., D.Litt., D.D.
Reg. Prof. of Biblical Criticism & Bib. Antiq.

Mackinnon, J., M.A., Ph.D., D.D. Reg. Prof. of Eccl. Hist.
Eddington, A. S., M.A., M.Sc., F.R.S. Gifford Lectr. on Natural Theol.
Martin, P'pal Alex., D.D. Lectr
Manson, Prof. W., B.D. Lectr.
Simpson, Prof. J. Y., D.Sc. Lectr.
Mackintosh, Prof. H. R., D.Phil., D.D. Lectr.
Watt, Prof. H., B.D. Lectr.
Welch, Prof. A. C., D.D., Th.D. Lectr.
Perry, P'pal W., D.D. Lectr.
Hughes, P'pal. G. H., B.D., D.Litt. Lectr.
Morrison, J., D.D. Asst.

Economics, v. Comm.

Education

Thomson, Godfrey H., D.Sc., Ph.D. (Dir. of Studies of the Provincial Training College). Prof.
Milne, A., D.Sc. Lectr.
Kerr, R. B., M.A., B.Ed. Lectr.
Bickersteth, Marguerite E., Ph.D. Asst.
Grant, Miss C. R., M.A., B.Ed. Asst.

Engineering

Beare, Sir Thos. Hudson, B.A., B.Sc. Adel., M.I.C.E. Reg. Prof.
Kerr, W. Hume, M.A., B.Sc. (Drawing, etc.) Lectr.
Todd, J. B., B.Sc., Ph.D., A.M.I.Mech.E. (Surv. & Hydraulics) Lectr.
Gordon, W., B.Sc., Ph.D., A.M.I.Mech.E. (Strength of Mats.) Lectr.
Stewart, J. F., F.R.S.G.S. (Forest Engin.) Lectr.
Stewart, David S., B.Sc., A.M.I.C.E. Lectr.
Patterson, C., A.M.I.Mar.E. Lectr.
Davidson, M., B.Sc. Asst.
Anderson, T. D., B.Sc. Asst.

English Lit. and Rhetoric

Grierson, H. J. C., M.A. Aberd., B.A. Ox., LL.D. St. And. Reg. Prof.
Kitchin, G., M.A., D.Litt. Lectr.
Dickins, Bruce, M.A. Reader.
Hislop, Gordon, M.A. Lectr.
Clark, A. M., M.A. Asst.

Entomology, v. Agric.

Forestry, v. also Agric., Bot., Engin.

Stebbing, E. P., M.A. Prof.
Pike, J. L., M.A., B.Sc. Lectr.
Fergusson, D. C., B.Sc. Lectr.

French and Rom. Philol. [Prof.

Sarolea, C., K.O.L., Ph.D., D.Litt. Liége, D.Jur. Cleve., LL.D.
Moore, J. M., M.A. Lectr.
Burns, Mary, M.A., D. de l'U. Paris Lectr.

Genetics, v. Nat. Hist.

Geography

Ogilvie, Alan G., M.A., B.Sc. Ox. Reader.
Lennie, Alice B., M.A., B.Sc. Lectr.
Mekie, D. C. T., Ph.D. Lectr.

Geology

Jehu, T. J., M.A., M.D. Reg. Prof.
Campbell, R., M.A., D.Sc. (Petrology) Reader.
Finlay, T. M., M.A., B.Sc. (Palæont.) Lectr.
Craig, Robert, M.A., B.Sc. (Econ. Geol.)

German and Teutonic Philol.

Schlapp, O., Ph.D. Prof.
Eggeling, H. F., M.A. Lectr.
Barker, Marie L., Ph.D. Research Fellow and Lectr.
M'Neill, B. E., M.A. Asst.

Hebrew and Semitic Langs.

Kennedy, A. R. S., M.A., D.D. Glas. and St. And. Prof.
Cameron, D., B.D. Asst.

Histology, v. Physiol.

History, v. also Comm., Div., Mil.

Williams, A. F. Basil, M.A. Prof.

Heatley, D. P., M.A. (Political Science) Reader.
Balfour-Melville, E. W. M., M.A. Lectr.
Vinogradoff, I., B.A. Lectr. (Medieval and Gen. European).
Horn, D. B., M.A. Asst.

History, Ancient (Gk. & Roman)
Giles, A. F., M.A. Edin. and Ox. Reader.

History, Ancient, and Palæog.
Hannay, R. K., M.A. Glas., LL.D. St. And. and Ox. Prof.
Lemon, Miss E., M.A. Asst.

History, Colonial and Indian
..... Lectr.

History, Const. and Const. Law
Dykes, D. O., LL.B. Prof.
Philip, J. R., M.A. Asst.

Italian
Purves, J., M.A. Lectr.

Law, v. *infra*

Logic and Metaphysics, v. Philos.

Mathematics
Whittaker, E. T., M.A. Camb., Sc.D., F.R.S. Prof.
Horsburgh, E. M., M.A., D.Sc., A.M.I.C.E. Reader.
Gibb, D., M.A., B.Sc. Lectr.
Aitken, A. C., D.Sc. Lectr.
Copson, E. T., B.A. Lectr.

Mathematics, Applied
Schlapp, R., Ph.D. Camb. Lectr.

Mathematics, Technical
Todd, J. M., B.Sc. Asst.

Medicine and Surgery, v. *infra*

Mining
Briggs, H., Ph.D., D.Sc. Hood Prof.

Music
Tovey, D. F., B.A., D.Mus. Ox., Mus.M. Reid Prof.
Shirlaw, M., Mus.D. Lectr.
Dunn, J. P., Mus.B. Lectr.

Natural History
Ewart, J. C., M.D., F.R.S. Prof.
Ashworth, J. H., D.Sc., F.R.S. Prof. (Zool.).
Stephenson, J., C.I.E., M.B., D.Sc. Lectr.
Hobson, A. D., M.A. Lectr. (*Cytology and Exp. Zool.*).
Crew, F. A. E., M.D., Ph.D., D.Sc. (Genetics) Lectr.
Simpson, J. Y., D.Sc. Lectr. (Evolution).
Harvey, Leslie A., B.Sc. Asst. (Zool.).

Palæontology, v. Geol.

Petrology, v. Geol.

Philology, v. French, Ger., Sansk.

Philosophy
Smith, N. Kemp, M.A., D.Phil. St. And., LL.D Prof.
Hardie, R. P., M.A. (Ancient P.) Reader.
Anderson, J., M.A. Lectr.
Maclennan, R. D., M.A. Asst.

Philosophy, Moral, v. also Psych.
Taylor, A. E., M.A., D.Litt. Prof.
Barker, H., M.A. Lectr.
Rainer, A. C. A., M.A. Asst.

Philosophy, Natural
Barkla, C. G., M.A. Camb., D.Sc. Liv., F.R.S., Nobel Laureate. Prof.
Darwin, C. G., M.A. Camb., F.R.S. Tait Prof.
Carse, G. A., M.A., D.Sc. Reader.
Milne, J. R., D.Sc. Lectr.
Childs, C. B., Ph.D. Lectr.
Watson, W. H., M.A., Ph.D. ,,
Paton, J., M.A., B.Sc. Asst.
Donaldson, R., M.A. Asst.
Gray, Marion C., Ph.D. Asst.
3 Technical Assts

Physiology
Schafer, Sir E. A. Sharpey, LL.D., F.R.S. Prof.

Taylor, W. W., M.A., D.Sc. Lectr. (*Chemical P.*)
Walker, May L., M.A., B.Sc., M.B. (Histol.) Lectr.
Bruce, A. N., M.D., D.Sc. (P. of Nervous System) Lectr.
Ponder, E., M.D., D.Sc. Lectr.
Dryerre, H., Ph.D., M.R.C.S. ,,
Fieldman, L., M.B. Asst.
Cameron, J. D. S., M.B. Asst.
2 Technical Assts.

Pol. Econ., Sc., v. Comm., Hist

Psychology
Drever, J., M.A., B.Sc. Lond., D.Phil. Reader.
Collins, Mary, M.A., B.Ed., Ph.D. Lectr.
Connell, E. H., M.B. Lectr.
Fairbairn, W. R. D., M.B. Asst.
Lodge, Janet, M.A. Asst.

Public Health
Lelean, P. S., C.B., C.M.G. Prof.
Young, J. B., M.B., D.Sc. Lectr.
Sutherland, I. N., M.B. Asst.

Public Health: Sanitary Administration
Robertson, Wm., M.D. (M.O. for the city)
Sr. Lectr. and Director of Instruction.

Rhetoric, v. English

Sanskrit and Comp. Philol.
Keith, A. Berriedale, M.A., D.Litt., D.C.L. Reg. Prof.

Semitic Langs., v. Hebrew

Spanish
Walton, L. B., M.A. Lond. Lectr.
Wilson, John, M.A. Asst.

Statistics, v. Comm.

Theology, v. Divinity

Zoology, v. Nat. Hist.

Law

Administrative
Wood, P. F., C.B., K.C., M.A., LL.B., M.A. Ox. Lectr.

Agricultural
Cowan, John, LL.B., K.C. Lectr.

Civil
Mackintosh, J., K.C., M.A. St. And., B.A. Ox., LL.D. Prof.
Mackintosh, C., B.A., LL.B. Asst.

Constitutional, v. Hist.

Conveyancing
Wedderburn, E. M., LL.B., D.Sc., W.S. Prof.
Campbell, A., LL.B., W.S. Asst.

English Law
Chisholm, J., K.C. Lectr.

Evidence and Procedure
Lewis, W. J., M.A. Ox., B.L., S.S.C. Reader.

International Private Law
Garrett, Wm., M.A., LL.B. Lectr.

International Public Law
Wilson, Wm., M.A., LL.B. Reg. Prof.
Cameron, J., LL.B. Asst.

Mercantile and Industrial Law, v. also Comm.
Aitken, H., K.C. Reader.
Lillie, J. A., LL.B. Asst.

Scots Law [Prof.
Henderson, R. C., K.C., LL.B.
Simpson, T. B., LL.B. Asst.

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

Bacteriology, v. Path.

Children, Diseases of
M'Neil, C., M.D. Lectr.
Carmichael, N. S., M.B. Lectr.
Hertzfeld, Gertrude, M.B. Lectr.
Dott, N., M.B. Lectr.
Thatcher, L. H. F., M.D. Lectr.
Murray, J. M'N., M.B. Asst.
Finlay, T. Y., M.D. Asst.
Alexander, W. A., M.B. Asst.

Dermatology, Clinical
Gardiner, F., M.D. Lectr.
Low, R. C., M.D. Lectr.
Aitken, R., M.D. Lectr.
Percival, G. H., M.B. Asst. (in D. and Mat. Med.).

Eye, Diseases of the
Paterson, J. V., M.B. Sr. Lectr.
Sinclair, A. H. H., M.D. Lectr.
Traquair, H. M., M.D. Lectr.
Cameron, E. H., M.B. Lectr.
Ligertwood, Laura M., M.B. Asst.
Paterson, J. A., M.B. Asst.

Forensic Med. [Reg. Prof.
Littlejohn, H., M.A., M.B., B.Sc.
Kerr, Douglas, M.B. Lectr.
Mason, Victor H., M.B. Asst.

Gynæcology, Syst. and Clin.
Ferguson, J. Haig, M.D. Lectr.
Fordyce, W., M.D. Lectr.
Davidson, H. S., M.B. Lectr.
Young, James, M.D. Lectr.
Haultain, W. F. T., M.B. Lectr.

History of Med. [Lectr.*
Comrie, J. D., M.A., B.Sc., M.D.

Infective Fevers
James, A., M.D. Lectr.
Benson, W. T., M.D. Lectr.

Laryng., Ot., and Rhinology
Fraser, J. S., M.B. Lectr.
Lithgow, J. D., M.B. Lectr.
Gardiner, W. T., M.B. Lectr.
Martin, G. E., M.B. Lectr.
Scott, C. E., M.B. Asst.
Stewart, J. P., M.B. Asst.

Materia Medica [Prof.
Clark, A. J., B.A., M.D., F.R.C.P.
White, A. C., Ph.D. Lectr.
Percival, G. H., M.B. Asst.
Macfarlane, A., M.D. Asst.
Wilkie, D., M.B. Asst.

Medicine and Clin. Med.
Gulland, G. L., C.M.G., M.A., B.Sc., M.D. Prof.
Mathewson, G. D., M.D., B.Sc. Asst. (Med.).*

Medicine, Clinical
Bramwell, E., M.D. Moncrieff-Arnott Prof.
Fleming, R. A., M.D. Sr. Lectr.
Watson, D. C., M.D. Sr. Lectr.
Matthew, E., M.D. Sr. Lectr.
Ritchie, W. T., M.D. Sr. Lectr.
Eason, J., M.D. Sr. Lectr.
Comrie, J. D., M.D. Lectr.
Goodall, A., M.D. Lectr.
Mathewson, G. D., M.D. Lectr.
Hewat, A. F., M.B. Lectr.
Wemyss, H. L. W., M.D. Lectr.
Lambie, C. G., M.B. Lectr.
Small, W., D.D., M.D. Lectr.
Rutherford, A., M.B. Lectr.
Slater, J. K., M.B. Asst.

Mental Diseases, v. Psychiat.

Midwifery, v. also Gyn. [Prof.
Johnstone, R. W., M.A., M.D.
Ferguson, J. Haig, M.D. Lectr.
6 other Lectrs.
1 Tech. Asst.

Neuro-Pathology
Reynolds, F. E., M.B. Lectr.
Carmichael, R., M.B. Supervisor.

Pathology and Bacteriology, v. also Anat.—Morb.
Smith, J. Lorrain, M.A., M.D., LL.D., F.R.S. Prof.
Mackie, T. J., M.D. Irvine Prof. (Bact.).
Rettie, T., D.Sc. Lectr.
Mackenzie, R. D., M.B. Lectr.
Macgregor, Agnes R., M.B. Asst.
Alston, J. M., M.B. Asst. (Bact.).
Carmichael, R., M.B. Asst.
Millar, W. G., M.B. Asst.
McLachlan, D. G. S., M.B. Lectr. (Bact.).
Muir, R. Demr. of Methods.

Psychiatry
Robertson, G. M., M.D. Prof.
M'Alister, W., M.B. Lectr.

Pub. Health, v. *supra*

Radiology and Electrical Therapeutics
Morison, J. M. Woodburn, M.D. Lectr.

* Lectr. in Clin. Med.

Sanitary Administration, v. *supra*

Surgery

Wilkie, D. P. D., O.B.E., M.D., Ch.M. Prof.
Shaw, J. J. M., M.B. Asst.
Brown, K. P., M.B. Asst.
1 Tech. Asst.

Surgery, Clinical

Fraser, J., M.D., Ch.M. Reg. Prof.
Skirving, A. A. S., C.M.G., M.B. Senr. Lectr.
Chiene, G. L., M.B. Senr. Lectr.
Stuart, W. J., M.B. Senr. Lectr.
Struthers, J. W., M.B. Senr. Lectr.
Wade, H., M.D. Senr. Lectr.
Graham, J. M., M.B., Ch.M. Lectr.
Watson, A. Pirie, Ch.M. Lectr.
Jardine, F. E., M.B. Lectr.
Wood, W. Q., M.D., Ch.M. Lectr.
Shaw, J. J. M., M.B. Lectr.
Mercer, W., M.B. Lectr.
Cochrane, W. A., M.B. Lectr.
Brown, K. P., M.B. Lectr.
Miller, T. M., M.B. Asst.
1 Tech. Asst.
1 Teacher of Anæsthetics.

Therapeutics and Clinical Medicine

Lyon, D. Murray, M.D., D.Sc. Prof.
Lambie, C. G., M.B. Asst.
Crawford, J. H., M.D. Asst.
Gilchrist, A. R., M.B. Asst.
Robson, W., B.Sc. Chemist.

Tropical Climates Diseases

Greig, Lt.-Col. E. D. W., C.I.E., I.M.S. Lectr.

Tuberculosis

Philip, Sir Robert W., M.A., M.D., LL.D. Prof.
Hewat, A. F., M.B. Asst.*
Simpson, J. C., M.B. Asst.

Venereal Diseases

Lees, David, M.D. Lectr.
Liston, Mary F., M.B. Asst.
MacLachlan, A. E., M.B. Asst.
Lees, R., M.B. Asst.

University Extension

20 Tutors, including 3 Univ. Profs. and 11 Univ. Lectrs.

* Lectr. in Clin. Med.

ASSOCIATED COLLEGES, in which Univ. courses are provided at Edinburgh.

EDINBURGH AND EAST OF SCOTLAND COLLEGE OF AGRICULTURE. Principal, Ernest Shearer, M.A., B.Sc.

HERIOT-WATT COLLEGE. Principal, A. P. Laurie, D.Sc.

NEW (UNITED FREE CHURCH) COLLEGE. Principal, Alex. Martin, D.D.

ROYAL (DICK) VETERINARY COLLEGE. Principal, O. C. Bradley, M.D., D.Sc.

GENERAL INFORMATION (v. also p. 272)

Originally the "Town's College," founded in 1583 by the Town Council under general powers granted by Royal Charter, April 14, 1582. The Old College on the site of "Kirk o' Field," the scene of the murder of Lord Darnley, was designed by Robert Adam, and completed in 1838. Newer buildings include the M'Ewan Hall (1888–97), in theatre form, which holds 2600 people and has a great electric organ; and "The King's Buildings" (1920–24) for Chemistry and other Science Departments. The Medical School of this Univ. has been famous for many generations; specially ample provision exists also for instruction and research in Theology (post-graduation school instituted 1919), Agric., Forestry, Engin., Mining, and Vet. Sc. Edinburgh is the seat of the Scottish Supreme Courts of Law.

LIBRARY, founded in 1580, 350,000 vols., 8000 MSS., includes special collections—Shakespearean, Sanskrit, Celtic, Persian, and Arabic MSS., Economics (Hodgson), Math. tables by E. Sang, transactions of Engin. Societies in Great Britain and America. 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 new Laboratories at King's Buildings, which were completed in 1924, have accommodation for about 400 students), Engin. (notably Hydraulics, Strength of Materials, Elec. Engin.), Mat. Med., Path., Physics, Physiol., Psych., Pub. Health (Institute built 1902, costing £21,000). The Univ. has a table at the Millport Marine Station. HOSPITALS : the Royal Infirmary adjoining the Univ. provides over 900 beds for clinical teaching, in addition to the Children's, Maternity, and Fever Hospls., and Lunatic Asylums. Over 50 resident posts in these are given annually to Med. graduates.

FACULTIES. (1) Arts, (2) Science (including Engineering, Mining and Metallurgy, Technical Chemistry, Public Health, Agriculture, Forestry, and Veterinary Science, as well as Pure Science), (3) Divinity, (4) Law, (5) Medicine, (6) Music. Deans : (1) Prof. E. T. Whittaker (Mathematics), (2) Prof. Sir T. Hudson Beare (Engin.), (3) Prof. Paterson, (4) Prof. Mackintosh, (5) Proi, Lorrain Smith (Path.), (6) Prof. Tovey.

DEGREES AND DIPLOMAS (v. Scottish Univs.). A diploma in *Education* is granted on completion of Univ. courses (1 yr.) and passing examns. in Psych., Theory and Hist. of E., and modern E. Systems and Problems. Candidates must have attended a course of Professional training or have had at least 3 yrs.' experience as a teacher, and must have completed a graduation course in Arts. Diplomas are also granted in *Actuarial Mathematics* (2 yrs.), *Forestry* (2 yrs., open only to ex-service men and Indian students selected as Forest probationers who have taken an Honours degree in Science at an Indian Univ.), *Geography* (open to graduates or students about to graduate in Arts or Science), *Technical Chemistry* (open to graduates who have taken a degree in Science with Honours in Chemistry), and a Diploma and a Certif. in *Social Study*.

A candidate for the B.Sc. in *Vet. Sc.* must (i.) have passed the Prelim. examn. for degrees in Sc., (ii.) have been engaged in Vet. study for 4 yrs., (iii.) have a registrable qualification, (iv.) have attended certain specified courses, including 1 yr. of study in this Univ. The Royal (Dick) Vet. Coll., Edin., provides certain of the qualifying courses.

The 1st examn. for the B.Sc. in *Pub. Health* is open to graduates in Med. of Univs. of the U.K., or McG., Queen's (Ont.), Panj., Harv., Bruss., or Würz., on conditions which include study during 5 mos. in the Edin. Pub. Health Lab. The 2nd examn. may not be taken until 6 mos. after passing the 1st.

Diplomas in *Pub. Health* (1 yr. course), in *Tropical Med. and Hygiene* (3 mos.), in *Psychiatry* (1 yr.) and in *Radiology* (1 yr.), are open to graduates of the Univ. and registered Med. practitioners.

Candidates for the *Mus.B.* must have passed the Preliminary Examination, or its equivalent, and attended a course in this Univ. during a whole winter session. A Mus.B. of 3 yrs.' standing may offer himself for the Mus.D.

(which may also be conferred *honoris causa*) as Composer, as Executant, or as Theorist or Historian.

RECOGNITION OF INSTITUTIONS AND TEACHERS outside the United Kingdom:

(*a*) For exemption from one (not the final) year of the course for M.A. or for B.Com. and from attendance on classes in and examn. in two subjects for the Ordinary Degree: the following Univs.—Alb., Dal., McG., Manit., Queen's (Kingston), Tor., Adel., Melb., Syd., N.Z., S. Africa, All., Bom., Calc., Mad., Panj., Paris, Tokyo, Osaka, Sendai, and such other Univs. as the Univ. Court may from time to time approve; graduates of the American institutions listed in Appendix XXV.

(*b*) For some of the courses for the B.Sc.: Madras Coll. of Agric., Colls. affiliated up to B.A. and B.Sc., and Engin. Colls. affiliated to the Indian Univs., Univs. and Polytech. Sch. supported and regulated or recognized by Govts. in Europe.

(*c*) For admission as graduate in Arts to the LL.B. examn.: the Univs. of All., Calc., Mad. V. also (*f*).

(*d*) For 2 of the 3 yrs.' study for LL.B.: McGill Univ., Madras Law Coll., Law Coll., Trevandrum, Ripon Coll., Calc.

(*e*) For 3 of the 5 yrs. of Med. study: recognized teachers in Singapore (in Physiol. and Practice of Med.) and Wellington, S. Africa (in Chem.).

(*f*) For admission of graduates from these institns. to study for the Ph.D. degree (General Recognition is also granted to them in terms of the various Graduation Ordinances): the following Univs.—Dal., King's Coll. (N.S.), Laval, McG., Manit., Queen's (Ont.), Tor., Adel., Melb., Queensland, Syd., W. Aust., N.Z., Cape Town, S. Africa; all Colleges affiliated to these Univs.; Univs. and Colls. approved by the Assocn. of American Univs. V. App. XXV.

POST-GRADUATE COURSES in Medicine are held during the Summer and Autumn Terms and the *Summer Vacation*. Particulars obtainable from the Hon. Sec., P.-G. Courses in Med. Univ. New Buildings, Edinburgh. The Post-graduate School of Theology issues a detailed list of courses. Graduates contemplating research should apply to the Deans. V. also p. 276.

SCHOLARSHIPS. Total annual value over £24,000; for graduates only, £6000. Most are open to colonial and foreign students. The Earl of Moray's Endowment provides about £1200 p.a. for *research*. V. also p. 276.

Travelling for study or research is encouraged by Dickson Fund (£90 p.a.), Dundas Latin Studies Fund (£45 p.a.), Drummond Mathematical Scholarship (£135 p.a. for 3 yrs.), Maclaren Mathematical Scholarship (£170 for 3 yrs.), Scott Scholarship for Graduates in Arts (£70), M'Cosh Bursaries for Graduates in Medicine (£300).

FEES. (*N.B.*—See also p. 276.) Inclusive tuition fees for LL.B., 42 gs.; B.L., 30 gs.; B.Sc. Engin., 90 gs.; Agr., Ord., 90 gs., Hons., 120 gs.; Mining, 105 gs.; Forestry, 105 gs.; Technical Chemistry, 120 gs.; Pure Sc., 100 gs.; B.D., 33 gs.; M.B., Ch.B., including Hospl. Fees, 205 gs. Combined M.A. and B.Sc. in Pure Sc., 130 gs.; M.A. and B.Sc. in Agr. or Engin., M.A. and B.Com. or LL.B., 70 gs.; M.A. and B.L., 65 gs.; B.Sc. in Agr. and in For., 135 gs. Graduation examns.: M.A., 7½ gs.; B.D., 7½ gs.; LL.B., 9 gs.; B.L., 7½ gs.; Mus.B., 15 gs.; Mus.D., 15 gs.; Ph.D., 10 gs.; B.Sc., 9 gs.; D.Sc., 15 gs.; M.B., 33 gs.; M.D., 20 gs.; Ch.M., 20 gs.

HALLS OF RESIDENCE, ETC. For men: University Hall on a self-governing basis (information from Messrs. Whitson and Methuen, 21 Rutland Street). Board and lodging about £2 : 12 : 6 a week. For women: East Suffolk Rd., Craigmillar Park (Warden), £50 for the three terms; Masson Hall, 31 and 32

George Square (Warden); and Muir Hall, 12 George Square (Warden), 33s. 6d. to 47s. 6d. 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.

Indian Students' Adviser: Maj. J. E. Mackenzie, D.Sc.

UNIV. EXTENSION, ETC. 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 Workers' Educnl. Assocn. 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.

OFFICIAL PUBLICATIONS. The *Calendar* (Aug.), 5s.; the *Prelim. and Degree Examn. Pps.* (May and July), 5d. to 2s. a set (James Thin, 55 South Bridge). The *Students' Handbook* issued by the Students' Representative Council. Facilities for advanced Study and Research free on application.

HISTORIES OF THE UNIV.: Bower, Alexr., chiefly compiled from original papers and records, never before published, 3 vols., Edin., 1817–30; Dalzel, Andrew (ed. by D. Laing), with a Memoir of the Author (by C. Innes), 2 vols., Edin., 1862; Grant, Sir Alexr., The Story of the Univ. during its first 300 years, 2 vols., London, 1884.

THE YEAR 1925–26

BENEFACTIONS. Dr. Andrew Vans Dunlop's estate (balance), £7719 for Scholarships; James Ritchie bequest, £6500 for promotion of Physical and Chemical Research; an anonymous donor, £300 for the Surgery Library; Rockefeller Foundation, £5000 toward equipment of Dept. of Experimental Surgery; Mrs. E. G. Somerville, herbarium of British Plants; Messrs. Bruce Peebles & Co., £2500; Miss Margaret Hastie, Legacy, £1500 to found Scholarship in Law; Thomas Cowan, £15,000, including £10,000 in recognition of the work done by students at Leith Docks during the General Strike; Lady Anderson, bequest of £5000.

NEW BUILDINGS. Two houses were purchased for £32,500 for Depts. of English and Modern Languages. It was resolved to proceed with the erection of a new building for the Dept. of Zoology, towards the cost of which £20,000 was given by Laurence Pullar. The Rockefeller Laboratory of Clinical Medicine is in course of erection in the grounds of the Royal Infirmary. The reconstructed Surgical Research Laboratories were formally opened.

NEW POSTS. Chair of Archæology; Lectureship in Mediæval and General European History; the Medical Officer of Health for the City was appointed Director of Instruction in Sanitary Administration, with the status of Senior Lecturer.

NEW REGULATIONS: (*a*) requiring that every curriculum for the Ordinary Degree of M.A. must conform to one of three types, each including a subject from the Dept. of Science and either (i.) Latin, or Greek, or an Oriental Classical Language, and English, or British History; or (ii.) two Modern Languages (other than English), in one of which a Double Course must be taken; or (iii.) Mathematics and a language other than English: (*b*) requiring an entrance qualification in Latin (on the Lower standard at least) for certain classes in English, French, Italian, Spanish, and History.

OTHER NEW DEVELOPMENTS. A Diploma in Radiology for Med. graduates. A new Honours Group—Spanish with Latin or French as a secondary Language.

An Advisory Committee in connexion with Indian students.

It was resolved to provide a Hall of Residence for men students.

RECOGNITION was accorded to the Univs. of Dacca, Hong-Kong, and the Major University of San Marcos, Lima, Peru.

ASSOCIATION with the East of Scotland College of Agriculture. The Principal of the College was appointed Professor of Agriculture—the two posts to be held jointly for a period of not more than 7 years in the first instance.

The TWO HUNDREDTH ANNIVERSARY of the foundation of the Faculty of Medicine was celebrated on June 11, 1926. The Honorary Degree of LL.D. was conferred on ten medical graduates of the Univ., and an address on the Origins of the Edinburgh School of Medicine was delivered by Sir George Newman.

CHANGES IN PROFESSORIAL STAFF. The vacant Chairs of Public Health, German, and Commercial and Political Economy were filled—the last by appointment of F. W. Ogilvie, Fellow and Lectr. in Economics, Trinity College, Oxford; E. Shearer, Principal of the Edinburgh and East of Scotland College of Agr., was appointed Prof. of Agr. in succession to Prof. J. A. S. Watson on his appointment to the Sibthorpian Chair of Rural Economy at Oxford; A. J. Clark, Prof. of Pharmacology, University College, London, to the Chair of Materia Medica in succession to the late Prof. Cushny; R. W. Johnstone, to the Chair of Midwifery in place of Prof. B. P. Watson, who resigned on his appointment as Prof. at Columbia Univ., New York. OTHER RESIGNATIONS: H. Robinson, Reader in Physics, on his appointment to the Chair of Physics in Univ. College, Cardiff; J. D. M. Ross, Lectr. in Chemistry, on appointment as Lectr. in Physical Chemistry, Univ. College, Dundee; G. Buchanan, Lectr. in Bacteriology, on appointment as Supt. of the Routine Laboratories of the South African Institute of Medical Research, Johannesburg. DEATH: Allin Cottrell, Lectr. in Technical Chemistry, succeeded by D. Bain, formerly of the British Dyestuffs Corporation.

STUDENTS. Full-time: total, 3261 (including 1082 women); graduates, including 84 in Arts and 36 in Div., 165 (w. 48); preparing for first degree, in Arts 1469 (w. 817), Div. 24, Law 97 (w. 8), Music 26 (w. 15), Pure Sc. 206 (w. 45), Med. 947 (w. 127), Engin. 160, Mining 20, Tech. Chem. 12, Agric. 51 (w. 4), Forestry 35, Vet. 16; other full-time, 33 (w. 18). Residing in hostels, 292 (w. 216).

Part-time: total, 589 (w. 94); graduates, 87 (w. 14); occasional, in Arts 206 (w. 56), Law 116 (w. 1), Med. 69 (w. 5), Agric. 60 (w. 9), others 51 (w. 9).

Extension courses: three-year tutorial classes (Workers' Educl. Assocn.) in Engl. Lit. 16 (w. 9); Harmony 47 (w. 34).

DEGREES CONFERRED. D.D. (Honorary), 5; LL.D. (Honorary), 23 (w. 1); D.Litt., 1; D.Sc., 1; Ph.D. (Divinity), 5; Ph.D. (Arts), 9 (w. 2); Ph.D. (Science), 17 (w. 2); B.D., 5; LL.B., 15 (w. 1); B.L., 10 (w. 1); B.Ed., 6 (w. 2); M.A. Honours, 84 (w. 33); M.A. Ordinary, 221 (w. 148); B.Com., 30 (w. 1); B.Sc. Pure Sc. Honours, 35 (w. 5); B Sc. Pure Sc. Ordinary, 7 (w. 4); B.Sc. Engin., 32; B.Sc. Mining, 4; B.Sc. Tech. Chem., 5; B.Sc. Agric., 17 (w. 1); B.Sc. Forestry, 12; B.Sc. Vet. Sc., 2; Mus.Bac., 1; M.D., 31 (w. 3); M.B., Ch.B., 190 (w. 47). DIPLOMAS in Education, 39 (w. 21); Tropical Med. and Hygiene, 9; Public Health, 4 (w. 1); Psychiatry, 7 (w. 1); others, 7.

UNIVERSITY OF GLASGOW

CHANCELLOR—THE EARL OF ROSEBERY AND MIDLOTHIAN, K.G., K.T.

VICE-CHANCELLOR AND PRINCIPAL—Sir DONALD MACALISTER, Bt., K.C.B., M.A., M.D., D.C.L., LL.D., D.Sc., F.R.C.P.

RECTOR—The Right Hon. Sir AUSTEN CHAMBERLAIN, K.G., M.P. (elected 1925).

DEAN OF FACULTIES—Emeritus Prof. Sir H. C. CAMERON, C.B.E., M.D., LL.D For Dean of each Faculty, see under "General Information"—Faculties.

SECRETARY TO THE UNIV. COURT—A. E. CLAPPERTON, B.L., LL.D.

CLERK OF SENATE—The Very Rev. Prof. G. MILLIGAN, D.D., D.C.L.

REGISTRAR—ROBT. BROUGH.

LIBRARIAN AND KEEPER OF HUNTERIAN BOOKS AND MSS.—W. R. CUNNINGHAM, M.A.

CLERK OF THE GENERAL COUNCIL—Sir A. CRAIG, LL.D., O.I.P.

QUEEN MARGARET COLLEGE

Mistress—Miss F. H. MELVILLE, M.A., B.D.

UNIVERSITY COURT

THE RECTOR, *ex officio.*

THE PRINCIPAL, *ex officio.*

THE LORD PROVOST OF GLASGOW, *ex officio.*

The Right Hon. LORD MACLAY, LL.D.

WM. BRODIE, B.L.

J. BRUCE MURRAY, LL.D.

DAVID MURRAY, LL.D.

G. S. MIDDLETON, M.D., LL.D.

R. A. DUFF, M.A., D.Phil.

D. MACGILLIVRAY, M.A., LL.D.

Prof. T. H. BRYCE, M.D., F.R.S.

Prof. GLOAG, K.C., LL.D.

Prof. W. MACNEILE DIXON, Litt.D., LL.D.

Prof. G. G. HENDERSON, M.A., D.Sc., LL.D., F.R.S.

PROFESSORS, LECTURERS, ETC.

Accountancy

Loudon, J., M.A., C.A. Prof.

Anatomy

Bryce, T. H., M.A., M.D. Edin., F.R.S. Reg. Prof.

Hutton, W. K., M.A., M.B., C.M. Lectr.*

Maclaren, Norman, Ph.D. (Embryology) Lectr.

Blair, D. M., M.B. (Regional A.) ,,

Patrick, Wm., M.B., Ch.B. Demr.

Bingham, J. A., M.B. Demr.

Miller, W. B. D., M.B. Demr.

Dickson, Lilian, M.B. Demr.*

Davidson, A.M., M.B. Demr.*

* At Queen Margaret Coll.

Nicol, T., M.B. Demr.
2 part-time Demrs.

Arabic
Weir, T. H., D.D., M.R.A.S. Lectr.

Astronomy
Becker, L., Ph.D. Bonn. Reg. Prof.
Connell, J., M.A. Lectr.
Ross, John J., M.A. Demr.

Botany
Drummond, J. Montagu F., M.A., F.L.S. Reg. Prof.
Williams, Samuel, M.Sc. Manc., Ph.D. Lectr.
Thomson, J., M.A., B.Sc., Ph.D. Lectr.
Wardlaw, C. W., B.Sc., Ph.D. Lectr.
Brimble, L. J. F., B.Sc. Lectr.
Sansome, F. W., B.Sc., Ph.D. Asst.
Case, Isabella M., B.Sc. Asst.

Celtic [Lectr.
Calder, G., B.D., D.Litt. Edin.

Chem., v. also Physiol.
Henderson, G. G., D.Sc., F.R.S., LL.D. St. And. Reg. Prof.
Bolam, H. W., B.Sc. Edin., Ph.D. Lectr.*
Knox, J., D.Sc. Aberd. Lectr. for Med. Students.
Roberts, J., M.A., F.C.S. Lectr.
Henderson, A., M.A., B.Sc. Lectr.
M'Millan, A., M.A., D.Sc. Lectr. (Analytical Chem.).
Morrison, Jane, M.A. Asst.*
Sword, J., M.A., B.Sc., Ph.D. Asst.
Lewin, Christina T., B.Sc. Asst.
M'Laren, Isabella, B.Sc. Asst.
Robertson, J. M., B.Sc., Ph.D. Asst.
Chisholm, D., B.Sc., Ph.D. Asst.
Stewart, Eliz. C., M.A., B.Sc. Asst.*
Gibson, D. T., M.Sc., Ph.D. Asst.
M'Culloch, W. P., B.Sc. Asst.

Chem., Organic [Gardiner Prof.
Patterson, T. S., D.Sc. Lond. & Glas., Ph.D. Heid.
Tucker, S. H., M.A. Ox., M.Sc., Ph.D. Lond. Lectr.
Buchanan, C., B.Sc., Ph.D. Lectr.
Fulton, J. D., M.A., B.Sc. Asst.
Stevens, T. S., B.Sc., D.Phil. Ox. Asst.
Kent, Andrew, M.A., B.Sc. Asst.
Somerville, R., M.A., B.Sc. Asst.
2 tempy. Assts.

Chem., Physical
Wright, Robert, D.Sc. Belf. Lectr.
Smith, R. Christie, M.A., B.Sc., Ph.D.
Carnegie Teaching Fellow.
Mitchell, Stotherd T. R. S., B.Sc., Ph.D. Asst.

Classics, v. also Philol. [Prof.
Davies, G. A., M.A. Camb. (Greek)
..... (Greek and Hellenistic G.) Lectr.
Gomme, A. W., B.A. Camb. (Greek History) Lectr.
Kitto, H. D. F., B.A. Ox. (Greek). Asst.
Rennie, W., M.A. (Humanity) Prof.
Nisbet, R. G., M.A. (Latin) Lectr.
M'Glynn, P., M.A. (Latin) Lectr.
Burn, R., B.A. (Latin) Lectr.
Austin, R. G., M.A. Ox. (Latin) Lectr.

Divinity, v. also Hebrew
Reid, H. M. B., D.D. St. And. Primar. Prof.
Milligan, Very Rev. G., D.D. Aberd., D.C.L. Durh. (Bibl. Crit.) Reg. Prof.
Main, A., M.A. Glas., B.A. Ox., D.Litt., D.D. (Church Hist.) Reg. Prof.
Haldane, J. S., M.A., M.D., LL.D. Gifford Lectr. in Natural Theology.

* At Queen Margaret Coll.

Economics, v. Pol. & Social Econ.

Education [Lectr.
Boyd, W., M.A., B.Sc., D.Phil.
Smith, J. W. D., M.A. Asst.

Embryology, v. Anat.

Engineering, v. also Naval
Goudie, W. J., D.Sc.
J. Watt Prof. of Theory and Practice of Heat Engines.
Small, J., B.Sc. Lectr.

Engin., Civil and Mech.
Cormack, J. D., C.M.G., C.B.E., D.Sc. Reg. Prof.
Brown, R. M., B.Sc., Ph.D. Lectr.
Keown, J. E., B.Sc. (Drawing and Design) Lectr.
Vost, J., B.Sc. Lectr.
Morrison, J. C., B.Sc. Lectr.
Thom, A., B.Sc., Ph.D. Lectr.
Geyer, E. W., B.Sc. Lectr.
Wilson, J., B.Sc. Asst.
Macaulay, J. M., B.Sc. Asst.

Engineering, Electrical
Howe, G. W. O., D.Sc. Durh. and Adel. J. Watt Prof.
Hague, B., M.Sc. Lond., Ph.D. Lectr.
Scobie, J., B.Sc. Lectr.
Small, A. J., B.Sc. Asst.

English Language and Literature
Dixon, W. M., Litt.D. Dub., LL.D. Aberd. Reg. Prof.
Bickersteth, G. L., M.A. Lectr.
Girvan, R., M.A. (Eng. Lang.) Lectr.
Alexander, P., M.A. Lectr.*
Sutherland, J. R., M.A. Lectr.
Gray, Margaret M., M.A. Lectr.
Wright, Bernard A., B.A. Ox. Lectr.
May, Maude G., M.A. Lectr.

French
Martin, C. A., M.A. Paris, O.I.P., Ch. L.H., C.G. Prof.
Pitoy, L. M., B.Sc., L. ès L. Phil. Lectr.
Pitoy, Mary C., M.A. Lectr.
Ferguson, Marjorie M., M.A., L. ès L. Lectr.
Cordier, M. Lectr.
Silver, R. C., M.A., L. ès L. Lectr.
Devigne, M. C., L. ès L. Asst.

Geography
Stevens, A., M.A., B.Sc. Lectr.
Holmes, J., B.Sc. Asst.
Crowe, P. R., B.Sc. Lond. Asst.

Geology [Prof.
Gregory, J. W., D.Sc. Lond., F.R.S.
Tyrrell, G. W., Ph.D., A.R.C.Sc. Lectr.
Neilson, Agnes T., M.A. Lectr.
Weir, J., M.A., Ph.D. Lectr.
Barrett, B. H., M.A., B.Sc. Carnegie Teaching Fellow.
M'Callien, Wm. J., B.Sc. Asst.

German
Smith, H., M.A. St. And., Ph.D. Marburg William Jacks Prof.
Clark, James M., M.A., Ph.D. Lectr.
Murray, Lillias F., M.A. Asst.

Hebrew and Semitic Langs.
Stevenson, W. B., D.Litt., D.D. Edin. Prof.
Harris, E. J., B.D. Asst.

History, v. also Div., Law, Pol. Econ.
Medley, D. J., M.A. Ox. Prof.
Browning, A., M.A. Lectr.
Miller, S. N., M.A. (H. and Antiq., Roman) Lectr.
Rait, R. S., C.B.E., M.A. Ox., LL.D. (H. and Lit., Scot.) Prof.
Douglas, D. C., B.A. Ox. (Mediæval H.) Lectr.
Lees, R. M., M.A. (British H.) Lectr.
Sayles, G. O., M.A. Lectr.
Lees, Greta C., M.A. Asst.
Hislop, Ian G., M.A. Asst.

Humanity, v. Classics

* At Queen Margaret College.

Italian [Stevenson Prof.
Grillo, Cav. E., K.C.O.I., M.A., Litt.D. Flor., LL.D. Perugia
MacKinven, A. D., M.A. Asst.
MacGillivray, Eliz., M.A. Asst.

Law, v. *infra*

Logic and Rhetoric
Bowman, A. A., M.A. Prof.
Levett, Margaret J., M.A. Lectr.
Haydock, G. H., M.A., B.Litt. ,,
Brown, George, M.A. Lectr.
Dickie, J. S., M.A., B.Sc. Asst.
Jessop, T. E., M.A., B.Litt. Asst.

Mathematics [Prof.
Gibson, G. A., LL.D. Edin., M.A.
M'Arthur, N., M.A., B.Sc. Lectr.
MacRobert, T. M., M.A., D.Sc. Lectr.
M'Whan, J., M.A., Ph.D. Lectr.
Arthur, W., M.A. Lectr.
Hyslop, J., M.A., Ph.D. Lectr.
Rankine, Jean C., M.A., B.Sc. Asst.
Brown, George, M.A. Asst.
Thomson, George, M.A. Asst.

Medicine and Surgery, v. *infra*

Metallurgy, etc., v. p. 305

Mining [Dixon Prof.
Dron, R. W., M.A., A.M.I.C.E.
Adam, D., B.Sc. Lectr.
Thomson, G., B.Sc. Demr.

Naval Archit., including Marine Engin.
Hillhouse, P. A., D.Sc. John Elder Prof.
Evans, D. L., B.Sc. Lectr.

Philology, Comparative (Classical)
Pirie, J. W., M.A. Aberd. Lectr.

Philosophy, Moral, v. also Logic and Psychol.
Hetherington, H. J. W., M.A. Prof.
Phillips, I. W., M.A. Lectr.
Campbell, C. A., M.A. Lectr.
Lamont, W. D., M.A. Asst.

Philosophy, Natural
Jones, E. Taylor, D.Sc.Lond. Prof.
Green, G., M.A., D.Sc. Lectr.
Cochrane, Charles, M.A., B.Sc. Lectr.
Allan, G. E., D.Sc. Birm. Arnott and Thomson Demr. in Expl. Physics and Lectr. in Electricity.
Houstoun, R. A., D.Sc., Ph.D. (Physical Optics) Lectr.
Gray, R. C., M.A., D.Sc. Carnegie Teaching Fellow.
Shearer, J. F., M.A., B.Sc. Lectr.
Younger, A. J., M.A., B.Sc. Lectr.
M'Farlane, W., M.A. Asst.

Physics, Applied
Gray, J. G., D.Sc. Cargill Prof.

Physiology
Paton, D. Noël, M.D., B.Sc., LL.D. Edin., F.R.S. Reg. Prof.
Watson, A. M., M.A., Ph.D. (Histology) Lectr.
Wishart, G. M., B.Sc., M.D. Grieve Lectr.
Garry, R. C., M.B. Lectr. & Demr.

Physiolog. Chem.
Cathcart, E. P., C.B.E., M.D., D.Sc., F.R.S. Gardiner Prof.
Wilson, H. E. C., M.B. Asst.

Polit. Econ.
Scott, W. R., Litt.D. Dub., D.Phil., St. And. Prof.
Smith, C. F., B.A. Camb. Lectr. (Econ. Hist.).
Jack, D. T., M.A. Asst.

Political Philosophy
White, Alex. K., M.A. Lectr.

Psychology [Lectr.
Thouless, R. H., M.A., Ph.D.

Russian [Sir William Weir Lectr.
Brennan, H. G., M.A. Lond.

Social Economics
Cunnison, James, M.A. Lectr.

Spanish
Entwistle, W. J., M.A. Stevenson Prof.

Theology, v. Divinity

Zoology
Kerr, J. Graham, M.A. Camb., F.R.S. Reg. Prof.
Carter, G. S., B.A., Ph.D. Camb. Lectr.
Jepps, Margaret W., M.A. Lectr.
Staig, R. A., M.A. Carnegie Teaching Fellow.
Miller, Agnes E., M.A. Asst.
Parsons, C. W., B.A. Camb. Asst.
Chumley, James Research Fellow.

Law

Gloag, W. M., K.C., B.A. Ox., LL.D. Edin. Reg. Prof.

Civil Law [Lectr.
Muirhead, J. S., B.A. Ox., LL.B.

Const. Law and Hist.
Mungo, D. B., LL.B. Lectr.

Conveyancing [Prof.
M'Kechnie, W. S., LL.B., D.Phil.

Evidence and Procedure
Lamond, R., LL.B. Lectr.

Internat. Law, Public, and Internat. Private Law
Nicol, R. M., LL.B. Lectr.

Jurisprudence, Genl.
Mitchell, A. A., LL.B. Lectr.

Mercantile Law
Wright, T. G., LL.B. Prof.
Dickson, D. S., LL.B. Asst.

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

Bacteriology [Gardiner Prof.
Browning, C. H., M.D., D.P.H.
Dunlop, E. M., M.B. Lectr.

Bio-Chemistry, v. Pathological

Dermatology
Nicol, J. W., M.B., C.M. M'Call Anderson Mem. Lectr
Smith, J. Ferguson, M.A., M.B. Lectr.

Ear and Throat and Nose Diseases of, v. also Nose
Gray, A. A., M.D. (Ear) Lectr
Harper, James, M.A., M.B. Lectr

Electrical Diagnosis and Therapeutics [Lectr
Riddell, J. R., F.R.F.P.S.G.
MacLean, A. B., M.D. Lectr.

Eye, Diseases of the
Ballantyne, A. J., M.D. Lectr.

Forensic Medicine [Reg. Prof
Glaister, J., M.D., D.P.H.
Glaister, J., Jr., M.D. Asst.

Infancy and Childhood
Findlay, L., M.D., D.Sc. Prof. of Med. Pediatrics.
Fleming, G. B., M.B.E., B.A., M.D. (Med. Diseases) Lectr.
Graham, Stanley, M.B. Tor. Asst.
MacLennan, A., M.B. (Surgery and Orthopædics) Lectr
Tennent, Robert, M.B. Asst.

Insanity
Henderson, D. K., M.D. Lectr.
MacDonald, J. H., M.B., Ch.B. (Psych. Med.) Mackintosh Lectr.

Materia Medica, v. also Med. Clin. [Reg. Prof.
Stockman, R., M.D. Edin.
Campbell, David, M.A., B.Sc., M.D. Pollok Lectr.
M'Callum, G., M.B., Ch.B. Weir Asst.
Scott, W. H., M.B. Asst.

Medicine [Muirhead Prof.
Hunter, W. K., M.D., D.Sc.
Cruickshank, J. N., M.D. Asst.
Smith, David, M.D. Asst.

Medicine, Clinical
Henderson, J., M.D. Lectr.

Cowan, J. M., M.D., D.Sc. Lectr.
Middleton, J. C., M.A., B.Sc., M.B. Waltonian Lectr. (also Lectr. in *Mat. Med.*).
Harrington, A. W., M.D. Lectr.
Russell, D. W., M.B., C.M. Lectr.

Medicine, Practice of [Reg. Prof.
Monro, T. K., M.A., M.D., C.M.
Allan, G. A., M.D. Asst.
Adams, Douglas K., M.A., B.Sc., M.D. Asst.
M'Cluskie, J. A. W., M.B., Ch.B. Asst.

Midwifery
Kerr, J. M. Munro, M.D. Reg. Prof.
Cameron, S. J., M.B. Asst.
M'Lellan, A. N., M.B., C.M. Asst.

Nose and Throat, Diseases of the, v. also Ear
Syme, W. S., M.D. Lectr.
Young, Gavin, M.B. Asst.

Obstetrics and Gynæcology
..... Muirhead Prof.
Hendry, J., M.A., B.Sc., M.B. Asst.
Cameron, S. J., M.B. (Clin.) Lectr.
Shannon, David, M.B. Lectr.
M'Intyre, D., M.D. Asst.

Pathology
Muir, R., M.A., M.D. Edin., Sc.D., F.R.S. Prof.
Blacklock, J. W. S., M.B. Lectr.
Cappell, D. F., M.B. Asst.
Young, J. S., M.A., B.Sc., M.B. Asst.
Teacher, J. H., M.A., M.D. St. Mungo-Notman Prof.
St. Mungo-Notman Assts. :
Marshall, Alice J., M.B.
Wingate, Helen F., M.B., Ch.B.

Pathological Bio-Chemistry
Telfer, Stephen V., B.Sc., M.B. Lectr.
Cuthbertson, D. P., B.Sc., M.B. Lectr.

Pediatrics, v. Infancy

Psychological M., v. Insanity

Public Health
Currie, J. R., M.D. Edin., D.P.H. Birm., M.A. Prof.
Wylie, J., M.A., M.B., B.Sc. (Pub. Health) Lectr.

Surgery [Reg. Prof.
Young, Archibald, B.Sc., M.B.
Hutton, A. J., M.B. Asst.
Learmonth, J. R., M.B. Asst.
Robertson, J. G. M'Gregor, M.B. Asst.
Paterson, Peter, M.B.. C.M. St. Mungo Prof.
Burton, J. A. G., M.B., D.P.H. St. Mungo Asst.
Stevenson, G. H., M.B. Asst.

Surgery, Clinical
Kay, T., M.B., C.M. Lectr.
Edington, G. H., M.D., D.Sc. Lectr.
Patrick, J., M.A., M.B. Lectr.
Macrae, Farquhar, M.B. Lectr.
Macewen, J. A. C., B.Sc., M.B. Lectr.
Young, Roy F., M.B. Lectr.
M'Intyre, Milne, M.B. Lectr.
Renton, J. M., M.B. Lectr.
Duff, Donald, F.R.C.S. Lectr.

Tuberculosis, Clinical
Crocket, J., M.D. Edin. Lectr.
Wilson, J. A., M.B., D.P.H. Lectr.

Venereal Diseases
Watson, D., M.B., C.M. Lectr.

University Extension

Stevenson Lectr. for 1926–27 in Citizenship : Principal L. P. Jacks, of Manchester College, Oxford.
Joint Secy. for the Univ. to the Glasgow Univ. Extra-mural Education Committee : Peter Alexander, M.A. (Lectr. in English).

ASSOCIATED COLLEGES, in which University courses are provided at Glasgow.

ROYAL TECHNICAL COLLEGE, v. p. 304.
WEST OF SCOTLAND AGRICULTURAL COLLEGE.

GENERAL INFORMATION (v. also p. 272)

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. In 1864–70 the old college buildings and site were sold and new buildings were erected in a more suitable position on the crest of a hill (Gilmorehill) to the west of the city. Funds for this were obtained partly from the proceeds of the sale, partly from public subscription, and partly from a Parliamentary grant of £120,000. Queen Margaret College was acquired by gift in 1893 for the use of women students. The Carnegie Trust contributed £60,000 towards the cost of additional buildings which were completed in 1907, and a neighbouring estate was presented by the MacLellan family in 1917.

The LIBRARY, founded in the 15th century, contains 255,000 vols., including 300 books printed before A.D. 1500. Among its important collections are the Ewing, distinguished for the value and variety of its Bibles; the Hamilton, rich in philosophical works; and the Ferguson, containing rare books on the history of Chemistry. The Hunterian MUSEUM, founded in 1783, contains most valuable MSS. and early printed books and pictures and important collections of coins, anatomical preparations, zoological and mineral specimens, etc. Large new departments with spacious LABORATORIES have been erected for Engin., Bot., Nat. Philos., Chem., Physiol., Anat., Path., Mat. Med., Forensic Med., Pub. Health, and Zoology. There are BOTANICAL GARDENS and an OBSERVATORY. As Glasgow stands at the centre of the shipbuilding, engineering, mining, and industrial area of Scotland, it offers unique opportunities for technical training. Three large general HOSPLS. are available for clinics, besides special institutions (including Consumption Sanatoria).

FACULTIES. (1) Arts, (2) Science, (3) Medicine, (4) Law, (5) Divinity, (6) Engineering. Depts. of Applied Science—Engineering (Civ., Elec., Mech. Mining, Naval Archit.), Applied Chem., Agric., Architecture, Public Health, Pharmacy. Deans: (1) Profs. Smith (German), (2) Drummond (Bot.), (3) Currie (Public Health), (4) Gloag (Scots Law), (5) Stevenson (Hebrew), (6) Cormack (Civ. Eng. and Mech.).

DEGREES, v. p. 274. Applications by Overseas students for remission of part of the class attendance for B.Sc. in branches other than Engineering will be considered sympathetically. *Diploma* in Education, 1 yr. course, for graduates (the first yr. of the Ed.B. course); D.P.H. (1 yr. course) for legally qualified med. practitioners. *Certificates* of Proficiency in Engineering Science and in Mining Engin., 3 yrs.' courses, of which first yr. may be taken in Roy. Tech. Coll.; no prelim. examn.

M.A. with special reference to Citizenship. The curriculum recommended for this is—1st yr., English and another language; 2nd yr., a Science and History; 3rd yr., Ethics, Individual and Social Life, and Political Economy.

The list of extra-academical teachers whose courses in certain subjects are recognized as qualifying *pro tanto* for graduation includes several resident outside the United Kingdom, namely in Cape Town (in Nat. Philos., Chem., Bot., Zool.), Grahamstown (Physics, Chem., Bot., Zool.), Johannesburg (Zool. and Chem.), and Stellenbosch (Bot., Chem., Physics).

For detailed information regarding POST-GRADUATION study and research in any Faculty application should be made to the Dean; v. also p. 276. A Post-graduate *Medical* Assocn. organizes demonstrations for Med. Practitioners; fee for series, Nov. to May, 3 gs.; programme obtainable from the Secy., P.-G. Med. Assocn., Dr. James Carslaw, 6 Woodside Crescent.

CLASS FEES, see p. 276. M.A. (Hons.), 60 gs.; LL.B., 40 gs.; B.L., 30 gs.; M.B., Ch.B., about £250 for 5 yrs. Combined M.A. and B.Sc., 112½ gs.

SCHOLARSHIPS FOR GRADUATES: about 76 of from £30 to £280 p.a., most of them open only to graduates of Glas. (For undergraduates there are 480, varying in value from £10 to £50 or more p.a., chiefly in the Faculty of Arts, in addition to Bursaries of from £5 to £25, awarded by the Provincial Committee for the training of teachers.) V. also p. 276.

Travelling for study or research is encouraged by: Bryce Mathematical Fellowship (£280 p.a. for 4 yrs.), Faulds Fellowship (£200), J. R. K. Law Scholarship (£100 p.a. for 2 yrs.) for Applied Science tenable at an approved *Overseas University* or other scientific institution in *Canada, U.S.A.*, or *France.*

RESIDENCE. Two Hostels for men students—the Maclay Hall and the MacBrayne Hall; and two for women—Queen Margaret Hall and the Robertson Hall. Lodgings or board with private families with use of 2 rooms, generally obtainable in neighbourhood of the Univ., for from 35s. to 50s. per week. A few students' hostels or settlements, of limited accommodation, where the charges are lower, are run by private committees or bodies of students and graduates.

A STUDENT WELFARE COMMITTEE has been formed for the purpose of raising funds for the provision of Hostels, increased Union accommodation, and the completion of the Athletic Ground. Grants have been received from the Univ. Grants Committee and the Carnegie Trust, and many donations have been received from private benefactors and other sources. In all the sum of about £85,000 has been raised.

UNIVERSITY EXTENSION. An Extra-mural Education Committee, equally representative of the Univ. and working-class organizations, is prepared to supply classes, short courses, and single lectures to groups of students in Glasgow and the West of Scotland, so far as its resources will permit; a compendium of classes and lectures for the session is obtainable from H. E. R. Highton, 177 Hill Street, Garnethill, Glasgow, C.3. Fortnightly and occasional free public lectures by professors and others are delivered during the winter session.

PUBLICATIONS. *Calendar* (July); *Glasgow Univ. Magazine*, weekly during winter session; *Examn. Papers*, Prelim. and Degree, 6d. per set; *Annual Handbook* for matriculated students; *Handbook* for Overseas students and graduates; *History of the University of Glasgow* (Coutts); *Roll of Graduates* (1726–1896) (Addison); *Matriculation Albums* (Addison).

THE YEAR 1925–26

BENEFACTIONS. £30,000 by an anonymous donor for the foundation of a Medical Research Fund; £5000, anonymous, through the Governors of the Glasgow Royal Samaritan Hospital for Women to maintain a "Royal Samaritan Lectureship in Gynæcology"; from subscriptions for a memorial to the late Sir William Macewen—(1) £1200 for a Macewen Memorial Lectureship, (2) £200 for a Macewen Medal in Surgery; the International Law Association, £100 for the foundation of a prize in the Class of Public International Law.

NEW POSTS. Two Lectureships in Pathological Bio-Chemistry.

HONORARY DEGREES. *D.D.*—Prof. A. C. Baird, W. R. Maltby, A. Boyd Scott, Principal W. Scott, Alexander Stewart, E. M. Walker, W. Wilson, H. S. Coffin, Principal H. F. Wallace. *LL.D.*—Rt. Rev. E. W. Barnes, A. K. Chalmers, Sir H. Walford Davies, M. Greiffenhagen, Prof. A. A. Jack, Em. Prof. Latta, Theodore Madsen, Sir Matthew W. Montgomery, Prof. W. P. Paterson, Prof. M. T. Tuffier.

RESIGNATIONS. J. S. Dunkerly, Lectr., to be Prof. of Zoology at Manchester. DEATHS: Em. Prof. A. Gray, Em. Prof. J. G. McKendrick.

STUDENTS. Full-time: total, 4059 (including 1416 women); graduate students, 35 (w. 12); preparing for a first degree, in Arts, 2227 (w. 1130), Med. 892 (w. 119), Law 109 (w. 10), Science 508 (w. 138), Theol. 30, Engin. 383 (w. 1); other full-time students, 15 (w. 6). Residing in hostels, 156.

Part-time: total, 321 (w. 16); graduates, 109 (w. 3); occasional, including 194 (w. 4), in Law, 212 (w. 13).

Extra-mural classes: Economics and Politics 151, English Comp. 205, Botany and Zoology 178, Geog. and Geology 101, Astronomy 140, Music 98; others 66.

DEGREES. M.A., 451; B.Sc., 238; B.D., 4; LL.B., 12; B.L., 10; Ph.D., 18; Ed.B., 3; D.Litt., 2; D.Sc., 5; M.D., 7; M.B., 217.

THE ROYAL TECHNICAL COLLEGE, GLASGOW

[Affiliated to the University of Glasgow.]

Chairman of the Board of Governors—JAMES MACKENZIE, LL.D.

Director—H. F. STOCKDALE, LL.D.

Tutor and Librarian—W. G. BURRELL, M.A.

PROFESSORS, LECTURERS, ETC.

Architecture and Building

Hughes, T. H., A.R.C.A., F.R.I.B.A. Prof. and Dir. of Arch. Studies.
Brown, T., A.I.Struct.E. Lectr.
Smith, Wm. J., A.R.I.B.A. ,,
Revel, J. D., A.R.C.A., R.P.S. Hon. Lectr. (Interior Decoration).

Botany and Bacteriology

Ellis, D., D.Sc. Lond., Ph.D. Marb. Prof. (Bact.) & Lect. (Bot.).
Lloyd, Miss B., M.Sc., Wales Asst. Lectr.
Leitch, J. M., B.Sc. Demr.

Chemistry, Technical

Gray, T., D.Sc., LL.D., Ph.D. Jena, F.I.C. Young Prof. and Dir. of the Sch. of Chem.
Cruickshanks, G. S., Ph.D. Leip., F.I.C. Lectr.
Buchanan, Walter J., A.R.T.C. Demr.
Heriot, T. H. P., F.I.C. Lectr. (Sugar Manuf.).

Chem., Inorg. and Analyt.
Caven, R. M., D.Sc. Lond., F.I.C. Prof.
Sutherland, Maggie M. J., D.Sc., F.I.C. Lectr.
Cranston, J. A., D.Sc., A.I.C. (Physical Chem.) Lectr.
Duncan, J. G., F.I.C., A.R.T.C. Lectr.
Gordon, P. F., Ph.D., A.I.C. Lectr.
Demrs. :
Crawford, A. B., Ph.D., B.Sc., A.R.T.C., A.I.C.
Burns, R., Ph.D., A.R.T.C., A.I.C.
Campbell, J. R., B.Sc., A.R.T.C.
Baird, W., B.Sc., A.R.T.C., A.I.C.
Johnston, Wm., B.Sc., A.R.T.C.

Chemistry, Organic
Wilson, F. J., D.Sc. Edin., Ph.D. Leip., F.I.C. Prof.
Cumming, W. M., D.Sc., F.I.C. Lectr.
Hopper, I. V., Ph.D., B.Sc. Lond., A.R.C.S.I., F.I.C. Lectr.

Dyeing, Bleaching, etc.
Steven, A. B., B.Sc. Lond., F.I.C. Lectr.

Engineering, Civil
Moncur, G., B.Sc. Edin., M.I.C.E., M.Amer.S.C.E. Prof.
Hunter, W., B.Sc. Lond., A.M.I.C.E., A.R.T.C. Lectr.
Thomson, G., M.A. Edin., M.I.C.E. (San. Eng.) Lectr.

Engineering, Electrical
Smith, S. Parker, D.Sc. Durh., M.I.E.E., A.M.I.C.E. Prof.
Meade, F. E., A.M.I.E.E. Lectr.
Asst. Lectrs. and Demrs. :
Farrell, J. F. E., B.Sc., A.M.I.Mech.E., A.M.I.E.E.
Shearer, G., B.Sc.
Macwhirter, R., B.Sc.
Say, M. G., Ph.D., M.Sc. Lond.
Russell, Jas., Dip. R.T.C.

Engineering, Mechanical
Mellanby, A. L., D.Sc. Durh., M.Sc. McG., M.I.Mech.E. Prof.
Kerr, Wm., Ph.D., A.R.T.C. Assoc. Prof.
Sinclair, J. H., M.Sc. Vict., B.Eng. Liv. Lectr.
Smith, J., B.Sc., A.M.I.Mech.E. Lectr.
Caldwell, P. S., A.R.T.C., A.M.I.Mech.E. Lectr.
Ramsay, J., B.Sc. Lond., A.M.I.C.E., A.M.I.Mech.E. Lectr.
Sneeden, O., B.Sc. Lectr.
Orkney, J. C., B.Sc. Lectr.
Ferguson, W., B.Sc. Lond. Lectr.
Asst. Lectrs. and Demrs. :
Milnes, W. A.
Garrick, J. A., B.Sc.
Russell, R., B.Sc.
Scott, Alex. W., B.Sc., A.R.T.C.
M'Broom, H. L., B.Sc., A.R.T.C.
Russell, R.

Engineering, Mining
Burns, D., M.I.Min.E. Prof.
Stevenson, J., B.Sc. Lectr.
Miller, Wm., B.Sc. Asst. Lectr.
Gray, Wm., B.Sc. Demr.

Geology, Economic
Edwards, E. J., M.Sc. Manc. and Leeds Lectr.

Mathematics
Miller, J., M.A., D.Sc. Prof.
Paul, J., M.A., B.Sc. Lectr.
Geddes, S., M.A., B.Sc. Lectr.

Metallurgy
Andrew, J. H., D.Sc. Manc. Prof.
Higgins, R., Ph.D., B.Sc., A.R.T.C. Lectr.
Macdougall, A. J. Demr.

Metallurgical Chemistry [Lectr.
Hay, R., Ph.D., B.Sc., A.I.C.

Natural Philosophy
Muir, J., D.Sc., M.A. Camb. Freeland Prof.
M'Quistan, D. B., M.A., B.Sc. Assoc. Prof.
Rankin, J. S., B.Sc., A.R.T.C. Lectr.

Asst. Lectrs. and Demrs. :
M'Kerracher, D., B.Sc., A.R.T.C.
Somerville, J. B., B.Sc.
Anderson, R. Q., B.Sc., A.R.T.C., A.I.C.
Binnie, D., B.Sc.

Naval Architecture [Lectr.
Gray, W. M., B.Sc., M.I.N.A.

Pharmacy and Mat. Med.
Todd, J. P., Ph.C. Lectr.
Schorn, E. J., A.I.C., Ph.C. Demr.

Sugar Manufacture, v. Chem.

Textile Manufacture
Watson, W. Lectr.
2 Asst. Lectrs.

GENERAL INFORMATION

Anderson's College, founded in 1796, the College of Science and Arts (1823, the first "Mechanics' Institution"), and the Atkinson Institution (1861) were amalgamated in 1886 under the title of the Glasgow and West of Scotland Technical College, which was changed in Feb. 1912 to the Royal Technical College. The College was affiliated to the Univ. of Glasgow in March 1913.

The College building, comprising over 7 acres of floor space, cost, with equipment, £400,000. Qualifying courses are provided in the subjects named above for Degrees of the Univ. in Applied Science and for the Diploma of the College. Courses in the following qualify for the Diploma only: Building, Naval Architecture, Textile Manufacture. There are also Departments of Navign. and Bakery, as well as numerous evening classes in other subjects, mainly technological. The courses for the Diploma cover 3 (in Chem. and Metall., 4) yrs.; for the Associateship in any of the Diploma subjects, attendance during 4 yrs. is required. The evening lecturers are not included in the above lists; some of their work is, however, of university and even post-graduate standard. Much research work, for the prosecution of which a development fund of over £70,000 has been raised, is carried on at the College. The library includes the Euing musical collection and the James Young collection of early alchemical, metallurgical, and chemical books.

The Glasgow School of Architecture is maintained by the College and the Glasgow School of Art working in co-operation through a Joint Committee under whose authority its Diplomas (5 yrs.' course) are issued.

The College has an athletic ground, and within the College buildings a well-equipped gymnasium.

FEES for tuition: diploma, 25 gs. p.a.; degree, 90 gs. for course.

PUBLICATIONS. *Calendar; Annual Report; Research Journal.*

THE YEAR 1925–26

NEW DEVELOPMENTS. An athletic ground was purchased and a new pavilion is in course of erection.

DEATH. C. Gourlay, Prof. of Architecture for 31 years. RESIGNATIONS: E. C. Pickering, apptd. Head of Chemistry Dept. of Borough Polytechnic, London; J. C. Grassie, apptd. Lectr. in Forestry Engineering, Aberdeen; J. Biggam, apptd. Lectr. in Mech. Engin., Aberdeen Univ., and Head of Dept., Robert Gordon's Technical Coll., Aberdeen; E. P. D. Gnodde, apptd. Lectr. in Cape Town Tech. Coll.; D. J. McKellar, apptd. Lectr. in Elec. Engin., Aberdeen Univ., and Head of Dept. of Robert Gordon's Technical Coll., Aberdeen; Miss W. Zamorska, under the Superannuation Rules.

RESEARCH JOURNAL. The second number was issued, containing 15 papers in Nat. Philos., Chemistry, Metallurgy, Engineering, and Bacteriology.

LIBRARY. The shelving accommodation within the Library has been largely extended, and considerable additions have been made to the collection of books.

STUDENTS. Full-time: preparing for a first Degree or Diploma (excluding 25 attending major portion of time at Univ.), 341 (including 33 women); undertaking advanced work, 35. From other countries: Dominion, 27; foreign, 4. Part-time: preparing for a first Degree or Diploma, 424 (w. 36); advanced, 13. Occasional students, 1960 (w. 38). Taking courses not of a Univ. standard, 1351 (w. 130). DEGREES OBTAINED: Ph.D., 7; B.Sc. in Applied Science, 82; B.Sc. London, 1.

UNIVERSITY EXTENSION WORK (extra-mural study): 2304 part-time students of 21 years of age or over in organized classes, and, in addition, 427 tickets were issued for the course on Astronomy of the extension lectures type.

UNIVERSITY OF ST. ANDREWS

CHANCELLOR AND PRESIDENT OF THE GENERAL COUNCIL—The Rt. Hon. EARL HAIG OF BEMERSYDE, O.M., K.T., G.C.B., G.C.V.O.

VICE-CHANCELLOR AND PRINCIPAL OF THE UNIVERSITY AND OF THE UNITED COLLEGE—Sir JAMES COLQUHOUN IRVINE, C.B.E., Ph.D., D.Sc., LL.D. Glas., F.R.S.

RECTOR AND PRESIDENT OF THE UNIVERSITY COURT—FRIDTJOF NANSEN, G.C.V.O., D.Sc., D.C.L., Ph.D., LL.D.

DEANS OF FACULTIES. See under " General Information "—Faculties.

SECRETARY AND REGISTRAR—ANDREW BENNETT.

LIBRARIAN—GEORGE H. BUSHNELL.

PRINCIPAL OF ST. MARY'S COLLEGE—Very Rev. G. GALLOWAY, M.A., D.Phil., D.D.

PRINCIPAL OF UNIVERSITY COLLEGE, DUNDEE—J. Y. MACKAY, M.D., LL.D.

ADVISERS OF STUDENTS AT ST. ANDREWS: IN ARTS—Prof. WEBSTER; IN SCIENCE—Prof. HERRING; IN MEDICINE—Prof. WATERSTON.

AT DUNDEE: IN ARTS AND SCIENCE—Prof. STEGGALL; IN MEDICINE—Prof. CHARTERIS.

UNIVERSITY COURT

PRESIDENT—THE RECTOR.

THE PRINCIPAL, *ex officio*.

THE PRINCIPALS OF ST. MARY'S COLLEGE and UNIVERSITY COLLEGE, DUNDEE, *ex officio*.

THE PROVOST OF ST. ANDREWS and THE LORD PROVOST OF DUNDEE, *ex officio*.

JAMES YOUNGER, LL.D.

WILLIAM LOW, O.B.E., LL.D.

A. MACGILLIVRAY, C.M., M.D., D.Sc.

J. M. DAWSON, M.A.

G. LAWSON, M.A.

E. E. MORRISON, M.A., LL.D.

Prof. WEBSTER.

Prof. HERRING.

Prof. FULTON.

SECY.—ANDREW BENNETT.

PROFESSORS, LECTURERS, ETC.

Anatomy

Waterston, D., M.A., M.D., C.M. Edin. Bute Prof.

Dow, D. R., M.B., Ch.B., M.D., D.P.H. Prof.*

Kirkpatrick, H. J. Rodway, M.B., Ch.B., D.P.H. Lectr. & Asst. (Regional A.).

Taylor, John, M.D., Ch.M. Lectr. (Regional A.) & Asst.*

* At Dundee.

Skae, F. M. T., M.D., C.M. Asst.*
Ferguson, J., M.B., Ch.B. Asst.*

Archæology, v. History
Biology, v. Nat. Hist.

Botany

..... Prof.*
Robertson, R. A., M.A., B.Sc. Reader.
Smith, Edith P., B.A., Ph.D. Edin. Lectr.*
Kean, C. Isobel, B.Sc. Asst.

Chemistry

Read, J., M.A. Camb., B.Sc. Lond., Ph.D. Zür. (Dir. of Chem. Res. Lab.) Prof.
Steele, Ettie S., M.A., B.Sc., Ph.D. Lectr. & Asst.
M'Kenzie, Alex., M.A., D.Sc., Ph.D. Berl., F.R.S. Prof.*
Walker, Nellie, B.Sc., M.A., Ph.D. Lectr. & Asst.*
MacOwan, G., M.A., B.Sc., Ph.D. Lectr.
Ross, J. D. McB., M.B.E., M.A., D.Sc. Edin. Lectr. & Asst.*
Kerr, C. A., B.Sc. Asst.*
Robertson, G. J., M.A., B.Sc., Ph.D. Asst.

Classics

..... (Greek) Prof.
Lorimer, W. L., M.A. (Greek) Lectr. & Asst.
Dall, Mrs. A., M.A., Ph.D. Asst.
Lindsay, W. M., M.A. Ox., LL.D., Litt.D., Ph.D., F.B.A. (Humanity) Prof.
Craig, J. D., M.A. (Latin) Lectr. & Asst.
Mills, T. R., M.A. (Latin) Lectr.*

Divinity

Galloway, G., M.A., D.Phil., D.D. Edin. Primarius Prof.
Duncan, G. S., O.B.E., M.A., B.D., B.A. (Bibl. Crit.) Prof.
Baxter, H. J., M.A., B.D. (Ch. Hist.) Prof.
Taylor, A. E., M.A., D.Litt., F.B.A. Gifford Lectr.

Education [Bell Prof.
M'Clelland, W. W., M.A., B.Sc., B.Ed. (Dir. of Studies at the Provincial Training College)

Engineering, Civ. and Mech., and Drawing

Fulton, A. R., D.Sc. Prof.*
Hay, J. M., B.Sc. Lectr. & Asst.*
Steel, G. S., B.Sc. Lectr. & Asst.*

Engineering, Electrical

Mackay, W. Morton, B.Sc. Lectr. & Asst.*

English Lang. and Lit.

Webster, A. Blyth, M.A. Berry Prof. of E. Lit.
Peterson, W. G., M.A. Lectr. & Asst.
Soutar, G., M.A., D.Litt. Lectr.*
Wright, Miss S. L. P. Asst.
Graham, Margaret, M.A. Glas. Asst.*

French Lang. and Lit. and Rom. Philol.

Lewis, C. B., B.A., L. ès L., Ph.D. Lectr.†
Roe, F. C., M.A., L. ès L., D. ès Lett. Lectr.†
Mathiot, Mlle. J., L. ès L. Asst.

Geology †

Innes, D. E. I., M.A. Lectr.
Cumming, G. A., B.Sc. Asst.
Walker, F., B.A., Ph.D. Asst.
Welch, F., B.A., Ph.D. Asst.

German and Teut. Philol.

Smith, Muriel, M.A. Lectr.
Hayens, K., M.A., D.Litt. Lectr.*

Hebrew and Oriental Langs.

Kay, D. M., D.S.O., D.D. Edin., M.A., B.Sc. Prof.
..... Asst.

History, Mediæval [Lectr.†
Williams, J. W., M.A., B.Litt. Ox.

History, Modern

..... Lectr.
Burn, W. L., B.A. Asst.

* At Dundee. † At St. Andrews and Dundee.

Law, Scots [Lectr.*
Allison, J., C.B.E., M.A., LL.B.

Logic and Metaphysics
Stout, G. F., M.A. Camb., LL.D., F.B.A. Prof.

Logic and Psychology
Wright, J. N. Lectr.*
Mace, C. A. Lectr. & Asst.

Mathematics and Applied Maths.
Turnbull, H. W., M.A. Reg. Prof.
Steggall, J. E. A., M.A. Camb. Prof.*
Saddler, W., B.A. Camb., M.A. Lectr. & Asst.
Butchart, R. K., B.Sc., Ph.D. Lectr. & Asst.*
Guthrie, W. G., M.A. Asst.
Simpson, Mary C., M.A. Asst.*

Medicine and Surgery, v. *infra*

Music
Sawyer, F., Mus.Bac. Lectr.

Natural History
Thompson, D'A. W., C.B., M.A., D.Litt., F.R.S. Prof.
Peacock, A. D., M.Sc. Durh. Prof.*
Sutherland, Christina, B.Sc. Asst.
Gresson, R. A. R., B.Sc. Asst.*

Philosophy, Moral, v. also Logic
Morrison, D., M.A. Prof.
..... Asst.

Philosophy, Natural
Allen, H. Stanley, M.A., D.Sc. (Dir. of Physics Res. Lab.) Prof.
Bagot, J. C. Lectr. & Asst.
Robson, W. G., A.R.C.S. Lectr.
Jack, D., M.A., B.Sc. Asst.
Forrest, J., M.A., B.Sc. Lectr. & Asst.*
Malcolm, Ada, B.Sc. Asst.*
Smith, Winifred J., B.Sc. Asst.*

Physics [Harris Prof.*
Peddie, W., D.Sc. Edin.

Physiology [Chandos Prof.
Herring, P. T., M.D. Edin.
Hynd, Alex., M.A., D.Sc. Lectr. & Asst.
Reid, E. W., B.A., M.B., Sc.D. Camb., F.R.S. Prof.*
Stiven, D., B.Sc. Asst.*

Political Economy
Morrison, C., M.A., LL.B. Lectr.

Psychology, v. Logic

Pub. Health, v. Med.—Fevers

Theology, v. Divinity

Zoology, v. Nat. Hist.

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

Anæsthetics
Mills, Arthur, M.D. Lectr.*
3 Instrs.

Bacteriology
Tulloch, W. J., O.B.E., M.D., D.P.H. Prof.*
Craigie, J., M.B., Ch.B. Research Asst.*

Diseases of Children
Rogers, J. S. Y., M.B., C.M. Lectr.*
Price, Prof. Ll. T. Lectr.*

Diseases, Mental
Mackenzie, W. T., M.D. Lectr.*

Diseases, Throat, Nose, and Ear
Mathers, R. P., M.D. Lectr.*
Gibson, M. J., M.B., Ch.B., F.R.C.S.E. Clin. Tutor.*

Diseases, Skin
Milne, F. M., M.A., B.Sc., M.B., Ch.B. Lectr.*

Fevers and Pub. Health
Burgess, W. L., M.B., Ch.B., M.D., D.P.H., D.T.M. and H. Lectr.*
Petrie, J., M.B., Ch.B. Asst.* (Fevers).
Dickson, Margaret S., M.B., Ch.B. Asst.* (Public Health).

Forensic Medicine
Lennox, D., M.D. Lectr.*

Materia Medica
Charteris, F. J., M.D. Glas. Prof.*
Buchanan, W. E. A., M.B., Ch.B. Asst.*

* At Dundee.

Medicine
Patrick, Adam, M.D. Glas. Prof.*
Morgan, J. M'I., M.B., Ch.B.

*Medicine, Clinical**
..... Asst.*

Lectrs.:
Profs. Charteris and Patrick.
Foggie, W. E., D.S.O., M.A., M.D.
Kerr, C., O.B.E., M.B., C.M.

Midwifery
Kynoch, J. A. C., M.B., C.M. Edin. Prof.*
Fairlie, Margaret, M.B., Ch.B. Asst. & Tutor.*

Ophthalmology
M'Gillivray, A., C.M., M.D. Aberd., D.Sc. Reader.*
M'Gillivray, Allister M., M.B., Ch.B. Clin. Tutor & Asst.*

Pathology
Sutherland, L. R., M.B., C.M. Glas. Prof.*
Tudhope, G. R., M.B., Ch.B., D.P.H. Asst. & Lectr.*

Pathology, Clinical
Milne, F. M., M.A., B.Sc., M.B., Ch.B. Lectr.*

Radiology and Elec. Therap.
Pirie, G. A., M.A., M.D. Instr.*
Milln, G. H. S., M.B., Ch.B. Instr.*

Surgery
Price, Ll. T., M.B., C.M. Prof.*
Brown, F. R., M.B., Ch.B., F.R.C.S. Edin. (Tutor in Clinical S.) Asst.*

Surgery, Clinical
Anderson, J., M.B., Ch.B., F.R.C.S. Edin. Lectr.*
Alexander, R. C., M.A., M.B., F.R.C.S. Edin. Lectr.*
Taylor, John, M.D., Ch.M. Tutor.*

Tuberculosis [Instr.*
Hunter, J. H., M.B., Ch.B., D.P.H.

Vaccination [Lectr.*
Scott, Douglas, M.B., Ch.B.

Venereal Diseases
Averill, C., M.B., Ch.B. Instr.*
Fulton, Annie, M.B., Ch.B. Instr.*

* At Dundee.

GENERAL INFORMATION (v. also p. 272)

The University was founded in 1411. In 1747 St. Salvator's (1450) and St. Leonard's (1512) Colleges were united under the name "United College of St. Salvator and St. Leonard." St. Mary's College (1537) has, since 1579, been restricted to the teaching of Theology. University College, Dundee (1880), was affiliated to and made to form part of the University in 1897.

LIBRARY: 225,000 printed vols. (some of 15th and 16th centuries). MSS. include fine Persian specimens and large folio Antiphonarium. College Library at Dundee. MUSEUMS at St. Andrews—Anat., Anthrop., Ethnol., Geol., Mineral., Nat. Hist.; at Dundee—Geol., Med., Nat. Hist. LABORATORIES at St. Andrews—in all above depts. except Med., also Chem. (with special Research lab.), Marine, Physics, Physiol., Bot. Garden. At Dundee—Anat., Bact., Chem., Embryol., Engin. (Elec., Hydraulic, Mech.), Mat. Med., Maths., Nat. Hist., Physics, Physiol.

FACULTIES. Divinity, Arts, Science, Medicine. Deans: Principal Galloway, Prof. Blyth Webster (English), Prof. Herring (Physiology), Prof. Charteris (Materia Med.).

DEGREES, ETC., v. p. 274. 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, Hist., Moral Philos., Pol. Econ.—only in St. And., some—Engineering—only in Dundee; Medical, after the first two yrs., and Dental solely, in Dundee, where facilities for

clinical instruction are available. Here also is provided a course in Scots Law. Associated with the Univ. is the Dundee School of Social Study and Training.

The M.A. Course includes a General and a Special examn. The former, which must be completed before proceeding to the Special, embraces at least 5 subjects, of which Latin or Greek must be one, another must be either Maths. or Philos., at least two must be Linguistic, and at least one Scientific. *Foreign students* may take Arabic or Hebrew in lieu of Latin or Greek. In the Special examn. two cognate subjects must be taken, the whole examn. being passed at one time.

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 a 4 yrs.' course (the last year being devoted exclusively to advanced study in the Hons. subject) with 2 examns.—a 1st in 4 subjects and an Honours in one.

Diplomas: Education, for graduates who complete the first year of the Ed.B. course; D.P.H., 12 months; L.D.S., 4 yrs.; L.L.A. (for women), attendance on courses not required, standard about the same as that of the ordinary M.A.; Social Study, 2 yrs. after obtaining M.A. or B.Sc. *Certificate* in Social Study for non-graduates over 21 with good general educn., 2 yrs.

FEES for Tuition. B.Sc., £80; B.Sc. (Engineering), 90 gs.; B.Sc. Hons., 90 gs.; M.B., Ch.B., £182. Combined Courses: M.A. and B.Sc., 112½ gs.; M.A. and M.B., Ch.B., £208; M.A., B.Sc. and M.B., Ch.B., £236; B.Sc. and M.B., Ch.B., £220. The above do not include fees for hospl. ticket or cases of labour, or laboratory fees for use of apparatus, etc. Maximum fee for Research students, 5 gs. a term. Degree fees for M.D. or Ch.M., 20 gs.; D.Litt. or D.Sc., 15 gs.; Ph.D., L.D.S., or D.P.H., 10 gs.; B.Phil. or B.Litt., 6 gs. Dipl. or Certif. in Social Study, 4 gs.; v. also p. 276.

RESIDENCE. University Hall for Women (Warden) at St. Andrews, £66 and upwards p.a., exclusive of tuition fees. Hostel for women students, Dundee (Warden), £62: 10s. p.a. Chattan House for men (Warden) at St. Andrews, £56 p.a. and upwards, exclusive of tuition fees.

SCHOLARSHIPS FOR GRADUATES: 14, annual value about £1711; v. also p. 276. Scholarships tenable in other countries: Guthrie (£135 p.a. for 4 yrs.), tenable at Oxford or Cambridge or (with special permission) at a foreign Univ.; Ramsay (£150 p.a. for 2 yrs.), Bruce (£150 p.a. for 2 yrs.), and Berry (£160 p.a. for 2 yrs.) may, with permission of United College, be tenable in another Univ. or Institution.

An ALUMNUS ASSOCIATION was founded in 1926.

PUBLICATIONS. *Calendar* (June), 3s. 6d.; U. Coll., Dundee, *Calendar*, 6d.; Students' Repve. Council's *College Echoes* (St. And.) and *The College* (Dundee).

THE YEAR 1925–26

BENEFACTIONS. Donations to United College Buildings Extension Fund: from Rt. Hon. Viscount Inchcape, £5000; from anonymous donors, £1030. Bequest by Mrs. Robert Mitchell for foundation of Scholarships, etc., £2000. Mr. and Mrs. F. H. Sawyer, towards repair of organ in Univ. Chapel, £300. Dr. J. Rutherford, dies for medals, and fund for "Rutherford Medals" of gold and silver for M.D. Theses. F. Sykes, dies for medal and fund for gold medal for D.Sc. Thesis. Subscribers to Lawson Memorial Fund, £200 for annual prize for Essays. Many donations and bequests to Museum.

NEW BUILDINGS, ETC. Equipment of Psychological Laboratory begun (cost about £600). Structural alterations on buildings of Univ. Library

(£400); new Refectory for Students' Dining Hall (£2000); completion of building and equipment of new Physics and Chemistry Laboratories; alteration of various buildings (£1800). Site purchased for new Residence Hall for men students (£2000). A second adjoining house leased as overflow accommodation in relation to Univ. Hall (residence for women students).

NEW POST. Asst. Registrar.

CHANGES IN REGULATIONS, ETC. New regulations governing admission to the Scottish Univs. adopted. Ordinance passed enabling Senatus to admit Professors and Lecturers who do not hold degrees to Degrees of the Univ.

DEVELOPMENT OF UNIVERSITY EXTENSION WORK. Scheme inaugurated for holding courses of Lectures at Dunfermline. Joint Committee formed in conjunction with Fife Education Authority and W.E.A. for development of Adult Education. Course of Lectures on Railway Economics to railway employees in co-operation with L.N.E. Railway.

OTHER NEW DEVELOPMENTS. Alumnus Association instituted (including Appointments Bureau, etc.).

RELATIONS WITH OTHER INSTITUTIONS. Lectures undertaken at Univ. of California by Prof. Blyth Webster (English), Professor Burnet (Greek). Lectures in various parts of America by Principal Sir James Irvine. Lecture delivered in St. Andrews by Dean Ellery of Union College, New York. Ten Research Students of the Univ. appointed to hold Commonwealth Scholarships in U.S.A.

DEATHS. Prof. J. F. Gemmill (Nat. Hist.), succeeded by A. D. Peacock, Lectr. in Armstrong College; Emeritus Prof. Sir P. R. Scott Lang. RETIREMENT: Prof. J. Burnet (Greek) (still vacant); G. West, Lectr., Botany, Dundee, succeeded by Edith P. Smith, Asst. in Edinburgh Univ. RESIGNATIONS: J. D. Mackie, Lectr. Modern History, appointed Prof. in Univ. of London at Bedford College for Women; W. J. Walker, Lectr., appointed Prof. of Mech. Engineering in Witwatersrand Univ., succeeded by J. M. Hay, Blackburn Municipal Tech. Coll.; O. R. Howell, Lectr., Dundee, appointed Lectr., Chemistry, Manchester Municipal College of Technology, succeeded by J. D. M. Ross, Asst. in Edinburgh Univ. Assistants: Wm. Thomson, Bacteriology; W. E. A. Buchanan, Anæsthetics; H. L. Pritchard, Mathematics; Mlle. A. Aubry, French; J. McKie, Fevers; Captain Charles Lamb, Instructor in Physical Training.

HONORARY DEGREES GRANTED. *D.D.*—Rev. A. M. Houston, Rev. Canon T. A. Lacey, Rev. Prof. J. R. Mackay, Rev. J. Stirton, Rev. J. Turnbull. *LL.D.*—Prof. Sir Wm. H. Bragg, Wm. Whitelaw, Dr. E. F. Armstrong, G. Forbes, Prof. H. Pirenne, Prof. E. T. Whittaker, E. S. Harkness.

OTHER IMPORTANT OCCURRENCES. Physics and Chemistry Laboratories opened by Prof. Sir W. H. Bragg, Dec. 1925; Dr. F. Nansen installed as Rector of the Univ., Nov. 1926.

STUDENTS. Full-time: total, 583 (including 257 women); research students in Arts 9 (women 4), Pure Science 20; preparing for a first degree, Arts 279 (w. 177), Med. 98 (w. 22), Pure Sc. 120 (w. 49); Engineering, 38; diploma students, 19. Resident in hostels, 110 (w. 94).

Part-time: total, 85 (w. 26); research, Arts 13 (w. 1), Med. 2, Pure Sc. 19 (w. 5), Engin. 2; diploma, Med. 3 (w. 1); occasional, Arts 41 (w. 19), Pure Sc. 1, Engin. 4.

DEGREES. M.A., 58 (w. 39); B.Sc. (Pure Sc.), 17 (w. 7); M.B., 38 (w. 17); B.Sc. (Engin.), 7; Ph.D., 10; D.Sc., 3; M.D., 10 (w. 1).

THE QUEEN'S UNIVERSITY OF BELFAST

VISITOR—H.M. THE KING.

CHANCELLOR—The Most Honourable THE MARQUESS OF LONDONDERRY, K.G., P.C., M.V.O., LL.D.

PRO-CHANCELLORS—Sir WM. WHITLA, M.A., M.D., LL.D., D.Sc.; Rt. Hon. HUGH O'NEILL, M.P., LL.D.

PRESIDENT AND VICE-CHANCELLOR—R. W. LIVINGSTONE, M.A. Ox., D.Lit.

REPRESENTATIVE IN THE PARLIAMENT OF THE UNITED KINGDOM —Col. T. SINCLAIR, C.B., M.D., F.R.C.S. Eng.; IN PARLIAMENT OF NORTHERN IRELAND—Sir JOHN CAMPBELL, M.A., M.D., LL.D., F.R.C.S. Eng.; H. S. MORRISON, M.D.; Prof. R. JOHNSTONE; J. H. ROBB, K.C.

REGISTRAR—Col. T. SINCLAIR, C.B., M.D., M.Ch., F.R.C.S. Eng.

LIBRARIAN—Prof. G. GREGORY SMITH, M.A., LL.D.

SECRETARY—ANDREW PICKEN, B.A., LL.B., B.L.

SECRETARY OF ACADEMIC COUNCIL—Prof. R. M. HENRY, M.A.

BURSAR—JOHN GREEN, C.A.

CHAIRMAN OF CONVOCATION—Sir JOHN CAMPBELL, M.A., M.D., LL.D.

PROFESSORS, LECTURERS, ETC.

Accounting, v. Comm.

Agricultural Botany and Plant Diseases

Mercer, S. P., B.Sc. Prof.
Clouston, D., B.Sc. Jr. Lectr.
Muskett, A. E., B.Sc., A.R.C.Sc. Jr. Lectr.
Houston, J., B.Sc. Asst.
Seaton, I. W., B.Sc. Lectr. (Plant Genetics).

Agricultural Chemistry [Prof.

Robertson, G. S., D.Sc. Durh.
Dickinson, F., B.Sc. Jr. Lectr.
Baskett, R. C., B.Sc. Jr. Lectr.

Agricultural Economics

Harkness, D. A. E., M.A. Lectr.

Agricultural Zoology

Rhynehart, J. C., F.R.C.S. Lectr.

Agriculture: Crop and Animal Husbandry

Rae, Robert, B.Agr. Lectr.

Anatomy

Walmsley, T., M.D. Glas. Prof.
Hunter, R. H., M.D. Lectr.
Malcolm, H. P., M.B., Ch.B. Lectr.
Stephenson, G. V., M.B. Asst.
Lavery, M. B., M.B. Asst.

Anatomy, Applied, Operative Surgery and

Crymble, P. T., M.B., F.R.C.S. Eng. Lectr.

Archæology and Ancient History

Richmond, I. A., B.A. Ox. Lectr.

Bio-Chemistry
Milroy, J. A., M.A., M.D. Edin. "J. C. White" Prof.
Beattie, F. J. R., M.Sc. Demr.

Botany
Small, J., D.Sc. Lond. Prof.
Lynn, Mary J., M.Sc. Jr. Lectr.
Clapham, Mabel, B.Sc. Demr.

Celtic
O'Brien, M., Ph.D., M.A. Lectr.

Chemistry
Stewart, A. W., D.Sc. Glas. Prof.
Crowe, W. H., M.Sc. Sr. Asst.
Ellison, T. E., M.Sc. Sr. Asst.
Orr, W. B., M.Sc. Jr. Asst.

Chemistry, Organic
Graham, Hugh, D.Sc. Lectr.

Classics
McElderry, R. K., M.A. Prof. (Greek).
Henry, R. M., M.A. (Latin) Prof.
Tate, J., M.A. Dub. (Latin) Asst.

Commerce
Meredith, H. O., O.B.E., M.A. Camb., M.Com. Manc. Dean of the Faculty, Lectr. in C. and Geog., and Prof. of Economics.

Recognized Teachers in the Munic. Coll. of Tech. :

Dodd, F. T. Lloyd, M.A., D.Sc. Prof.
Boyd, D. T., B.Com.Sc. (Accounting).
M'Cracken, W. J., B.A., B.L. (Coml. Law).
Dunne, T. (Econ., Geog., and Business Methods).
Fleet, H. (French).
Sueyras, M. (Spanish).
Carson, J. H. A., M.A. (Maths.).
Jefcoat, C., A.R.C.Sc. (Physics).

Dental Science, v. *infra*

Economics, v. Ag., Comm., Hist

Education
M'Callister, W. J., M.A., B.Sc. Prof.
MacIlroy, Rita, B.A. Asst.
Thomson, Margaret, B.A. Asst.

Engineering, Civil
Hummel, F. H., M.Sc. Birm., A.M.I.C.E. Prof.
Finnan, E., M.Sc. Jr. Lectr.
Hartley, J. J., M.Sc. Asst.

English Language
Belfour, A. O., M.A. Ox. Reader.

English Literature
Smith, G. Gregory, M.A. Ox. and Edin., LL.D. Edin. Prof.
Carver, P. L., B.A. Asst.

French and Romance Philology
Savory, D. L., M.A. Ox. Prof.
Stephens, Margaret, B.A. Asst.
Bousquet, M. L., L. ès L. Asst.

Geography, v. Com.

Geology
Charlesworth, J. K., D.Sc. Leeds, Ph.D. Bres. Prof.
Parkinson, D., B.Sc., Ph.D. Asst.

German
Williams, R. A., Ph.D. Leip., D.Litt. Dub. Prof.

History, Ancient, v. Arch.

History, Modern [Prof.
Todd, J. E., M.A. Ox. and Edin.
Hughes, E., M.A. Jr. Lectr.
Hunter-Marshall, D. W., M.A., LL.B., B.Litt. Asst.

History, Economic, and Polit. Sc.
Lemberger, J., M.A. Ox. Lectr.

Law
Baxter, J. S., LL.D. Dub. (*Dean* of Faculty) Prof.
McNeill, R. N., B.A., LL.B. Lectr.

Logic and Metaphysics
Macbeath, A., M.A. Glas. Prof.

Mathematics
Dixon, A. C., M.A., Sc.D. Camb. and Lond., F.R.S. Prof.
Hirst, Doris M., M.A. Asst.

Music
Walker, L., B.A., Mus.D. Lectr.

Philosophy, Moral, and History of Philos.
Selincourt, O. de, M.A. Ox. Lectr.

Philosophy, Scholastic [Lectr.
Ryan, A. H., B.A., D.D., Ph.D.

Physics
Morton, W. B., M.A. Camb. Prof.
Wylie, J., B.A. Lectr.
Chambers, Florence M., M.Sc. Jr. Lectr.
Beck, Louise, M.Sc. Hon. Demr.
" Musgrave " Demrs. :
Donaldson, D. H., B.Sc.
Black, C. P., B.Sc.

Physiology
Milroy, T. H., M.D., B.Sc. Edin. Prof.
Strahan, J. H., B.Sc., M.B. Demr.
Davison, J. C., M.B. Demr.
Rankin, J. C., M.D. Hon. Demr.

Spanish
Llubera, I. G., D.Litt. Mad. Prof.

Technology, v. *infra*

Veterinary Hygiene
Rice, J. P., B.Sc. Lectr.
Wilson, G. W., M.R.C.V.S. Asst.
Lamont, H. G., B.Sc., M.R.C.V.S. Asst.

Zoology
Wilson, G., O.B.E., M.A., D.Sc. Edin., Ph.D. Freib., M.R.I.A. Prof.
Riddell, W., M.A. Jr. Lectr.

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

Bacteriology
Graham, N. C., M.B.
" J. C. White " Lectr.

Gynæcology
Johnstone, R. J., B.A., M.B., F.R.C.S. Eng. Prof.
MacAfee, C. H. G., M.B. Asst.

Hygiene, v. also Pub. Health
Wilson, W. J., B.A., M.D., D.Sc., D.P.H. Prof.
Blair, E. M. McV., M.Sc. Asst.

Materia Med. and Therapeutics
M'Ilwaine, J. E., M.D. Prof.
Allen, D. M., M.D. Demr.

Medicine
Thomson, W. W. D., M.D., B.Sc., D.P.H. Prof.
Lewis, J. T., M.D., B.Sc. Asst.
2 Clinical Lectrs.

Medical Jurisprudence
The Prof. of Pathology Lectr.
Houston, Sir Thomas, M.D., B.A. Lectr.

Midwifery and Infantile Diseases
Lowry, C. G., M.D. Prof.
Watson, R., M.B. Tutor.
Carson, W., M.B. Hon. Demr.
Lowry, H. C., M.B. Hon. Demr.
1 Clinical Lectr.

Ophthalm. and Otology [Lectr.
Craig, J. A., M.B., F.R.C.S. Eng.
2 Clinical Lectrs.

Pathology
Symmers, W. St. C., M.B. Prof.
Vint, F. W., M.B. Demr.

Pathology, Clinical
Houston, Sir Thomas, B.A., M.D. Lectr.

Pharmacology
Mayrs, E. B. C., M.D. Lectr.

Pharmacy [Lectr.
Fielden, V. G. L., M.D., Ph.C.

Public Health Administration
Bailie, H. W., L.R.C.P. and S. Edin., L.F.P.S. Glas., D.P.H. Lectr.

Public Health, Chemistry
Totton, J. H., B.A., B.Sc. Lectr.

Surgery, v. also Anat.
Fullerton, A., C.B., C.M.G., M.D., M.Ch., F.A.C.S. Prof.
Hall, H. P., M.B., M.Ch. Asst.
2 Clinical Lectrs.

Vaccination [Teacher.
Armstrong, S. R., O.B.E., M.B.

Dental Science

Hunter, W. M., L.D.S. Edin. (Metallurgy) Lectr.
Elwood, H., L.D.S. Edin. and Penn. (Mechanics) Lectr.
Swan, W. M., L.D.S., R.C.S. Eng. (Surgery) Lectr.
M'Keag, H. T. A., B.D.S., B.A. Dub. (Orthod.) Lectr.
Fielden, V. G. L., M.D., Ph.C. (Mat. Med.) Lectr.

Technology (v. also Agr. and Engin.)

Extra-Mural Staff (Hon.), being Profs. and Lectrs. at the Munic. Coll. of Tech.

Architecture
Beaumont, I., A.R.C.A. Lond., F.R.S.A. Prof.

Building Construction
Hampshire, T. R. Lectr.

Chemical Technology
Wren, H., M.A., D.Sc., Ph.D. Prof.
Still, C. J., M.Sc., Ph.D., A.I.C. Lectr.

Electrical Engineering and Physics
Burns, P. L., B.Sc., A.M.I.E.E. Prof. (Elec. E.).
Jefcoat, C., A.R.C.Sc.I. Lectr.
M'Kenna, O., M.A., B.Sc. Lectr.
Yeates, J. F., B.Sc. Lectr.

Mathematics
Earls, J., B.A. (Principal) Prof.
Murphy, J. J. F., B.Sc. Lond. Lectr.

Mechanical Engineering [Prof.
Smith, J. H., D.Sc., A.R.C.Sc.
Warnock, F. V., B.Sc., Ph.D., A.R.C.Sc. Lectr.
Fforde, W. J. (Design) Lectr.
Sandham, B., B.E. (Nav. Archit.) Lectr.

Textile Industries
Bradbury, F. Prof.

RECOGNIZED COLLEGES AND TEACHERS

MUNICIPAL COLLEGE OF TECHNOLOGY, BELFAST, v. *supra*—Commerce and Tech. The complete course for the B.Sc. in Engineering or in Textile Technology may be taken at this college.

GENERAL INFORMATION

Queen's College, incorporated in 1849, was dissolved in 1909 on the constitution of the Queen's University of Belfast.

LIBRARY, 101,000 vols. MUSEUMS: Class. Archæol., Nat. Hist., Medical, Materia Medica, Sanitary Science. LABORATORIES: Chemistry ("Donald Currie"), Engineering ("Harland"), Physiology ("Jaffé"), Pathology and Bacteriology ("Musgrave"), Bio-Chemistry and Bacteriology ("White"), Physics, Anat., Bot., Geol., Pharm., Zool. HOSPITALS available for Clinics: 3 general, 10 special (Fever, Maternity, Women, Children, Ophth., Eye, Ear and Throat, Consumption, Lunacy, Skin).

FACULTIES. (1) Arts (including Music), (2) Science (including Civil Engin.), (3) Law, (4) Medicine, (5) Commerce, (6) Applied Science and Technology, (7) Agriculture. Dept. of Dental Science. Deans of Faculties: Profs. (1)

M'Elderry (Arts), (2) Small (Science), (3) Baxter (Law), (4) Symmers (Med.), (5) Meredith (Commerce), (6) Hummel (App. Science), (7) Robertson (Agric.).

DEGREE COURSES. 3 yrs.—B.A., B.Sc., B.Sc. in Engin. or Textile Tech., LL.B., B.Com.Sc.; 4 yrs.—B. Agr., B.D.S.; 5 yrs. (of which 2 may be in other approved Univs. or Med. Schools)—M.B., B.Ch., B.A.O.; 2 yrs.—LL.B. course for graduates of this or another Univ.

The courses in Elec. and Mech. Engin. are taken in the Municipal College of Tech. 3 yrs.' day or 5 yrs.' evening classes in the M.C.T. qualify for B.Sc. in Tech. 3 yrs.' day or 5 yrs.' evening classes in the M.C.T. qualify for the B.Com.Sc. Evening classes in a subject do not qualify for the B.Sc. unless the candidate has concurrent day-time employment in some technical or commercial branch of the same subject.

Diplomas. Educn. (1 or 2 yrs.); Higher Dipl. in Educn. (for graduates).

HIGHER DEGREES. The M.A. may be taken by a B.A. 1 yr. after graduation (examn. or thesis or independent research). The (1) D.Lit. and (2) LL.D. are conferred on grads. of this Univ. distinguished in (1) letters, or in literary, philos., or hist. research, or (2) Law, or in legal or historical research; they may be obtained by thesis also. The M.Sc. is open to a B.Sc. of the Univ. and grads. of other Univs. holding a degree of similar rank after the lapse of not less than 1 yr. from graduation (thesis or independent research). The D.Sc. is open to grads. of this Univ. 3 yrs. after graduation in any faculty. It is conferred for research or scientific work in relation to Science pure or applied, or for distinction in Science, Engin., or other practical application of Science. The M.D., M.Ch., and M.A.O. are open to graduates in Medicine of 3 yrs.' (if also graduates in Arts or Science, 2 yrs.') standing by examn. or thesis. The M.Agr. may be conferred on a B.Agr. of the Univ. or a graduate admitted *ad eundem* after 2 yrs., for a thesis or independent research. As regards Ph.D. *see* p. 18.

FEES. Enrolment (annual), 3 gs. Class fees, annual (inclusive)—Arts, 11 gs.; Engineering, 21 gs.; B.Com.Sc., 11 gs.; Dipl. Educn. (2 yrs.), 12 gs.; M.B., B.Ch., 25 gs.; B.Sc. or B. Agric. 22 gs.

SCHOLARSHIPS, ETC., FOR GRADUATES of the Univ. Studentships of £50: 5 in Arts, which may be raised by £25 and continued for a 2nd yr.; 4 in Science. Special grants to Med. graduates for original research or clin. study. Mackay Wilson Travelling Med. Scholp., £100. Musgrave Studentships in Path., Physiol., Physics, Biol., and Chem., of £200 p.a. for research. Four other Studentships of the aggregate annual value of £330.

RESIDENCE. Women's Hostel. Board and residence per annum, about £52. Board and lodging obtainable in the town from about 30s. a week upwards.

There is a GRADUATES' SOCIETY which meets in London. Secy., Dr. W. H. M. McCullough, D.S.O., 152 Harley St., London.

RECOGNITION OF OTHER UNIVS. Students from other approved Univs. may apply for exemption from a year's attendance for first degree, attendance and examn. in some of the subjects for first degrees in Arts and Science, in consideration of equivalent courses and examns. elsewhere.

UNIVERSITY EXTENSION lectures by members of the Univ. Staff are given in Belfast and other towns.

PUBLICATIONS. *Calendar* (Oct.), 2s.; Students' mag., *The Northman.*

THE YEAR 1925–26

BENEFACTIONS. Medals in Surgery (Colonel Sinclair), French (French Government), and English Literature (Mr. S. F. Wright). Gift of £100 to the Library (Miss Montgomery).

NEW BUILDINGS. J. C. White Bio-Chemical Laboratory. Agricultural Laboratories. Fresh accommodation has been provided in the Library for 70,000 more volumes.

NEW LECTURESHIPS in Bio-Chemistry, Agricultural Economics, Crop and Animal Husbandry, Law, Archæology, and Ancient History.

GRANTS. For the first time in the history of the Univ. grants were made by the City Council of Belfast and the County Councils of Armagh, Down, Fermanagh, and Tyrone. Provision was made for the representation of the Borough and County Councils of Northern Ireland on the Senate.

NEW REGULATIONS. A Faculty in Theology was instituted, and the Faculty of Law reorganized in connexion with the King's Inn of Northern Ireland. Arrangements were made by which the Prof. of Education in the Univ. becomes Head of the Training College for elementary teachers, and two-years' courses in certain subjects at the Training College are allowed to count for one year towards a Univ. degree.

The Univ. undertook to hold a Pharmaceutical Preliminary Examn., and made arrangements for a degree in Pharmaceutics in the Faculty of Applied Science and Technology.

DEATHS. Sir Hiram Wilkinson, Pro-Chancellor; The Rt. Hon. and Rev. T. Hamilton, late Vice-Chancellor; J. M. Finnegan, Secretary. RESIGNATION: Prof. J. A. Strahan.

HONORARY DEGREES. *LL.D.*—Lord Carson, The Rt. Hon. Winston Churchill, The Lord Chief-Justice of Northern Ireland, Rt. Hon. E. M. Archdale. *M.A.*—F. J. Biggar, J. Stevenson.

STUDENTS. Full-time: total, 1045 (including 375 women); graduate students, in Arts and Educn. 1, Medicine 19 (women 7), Science 12 (w. 7), Applied Sc. 1; preparing for first degree, in Arts, etc. 292 (w. 184), Med. 416 (w. 77), Law 22 (w. 2), Science 131 (w. 44), App. Sc. 40, Commerce 14 (w. 5), Agric. 16; other full-time, Arts, etc. 88 (w. 52). Resident in hostels 42 (w.). Students from abroad, 19.

Part-time: total, 293 (w. 138); graduates, 9 (w. 2); degree students, App. Sc. 28, Commerce 44 (w. 4); diploma students, 52 (w. 28); occasional, Arts, etc. 141 (w. 104), Med. 3 (w. 1), Law 20 (w. 1), Comm. 1.

Extra-mural: pre-registration dental course, 30; others, 59 (w. 10).

DEGREES OBTAINED. B.A., 51 (w. 34); B.Sc., 28 (w. 11); B.Sc. Eng., 26; B.Agr., 1; LL.B., 9 (w. 2); M.D., 9 (w. 1); Ph.D., 1 (w.); M.A., 3; M.Sc., 12 (w. 6); B.Com.Sc., 9 (w. 3); M.B., B.Ch., 76 (w. 9); D.P.H., 12 (w. 7); Dip.Ed., 26 (w. 19); L.D.S., 4.

UNIVERSITY OF DUBLIN, TRINITY COLLEGE

CHANCELLOR—The Rt. Hon. THE EARL OF IVEAGH, K.P., LL.D., F.R.S.

VICE-CHANCELLOR—The Rt. Hon. BARON GLENAVY, LL.D.

VISITORS OF TRINITY COLLEGE—THE CHANCELLOR (or VICE-CHANCELLOR) ; The Rt. Hon. Sir THOMAS F. MOLONY, Bart., LL.D.

PROVOST—The Rt. Hon. and Most Rev. J. H. BERNARD, D.D.

REPRESENTATIVES IN PARLIAMENT OF IRISH FREE STATE—E. H. ALTON, M.A.; Sir JAMES CRAIG, M.D. ; W. E. THRIFT, M.A.

SENIOR FELLOWS OF THE COLLEGE

Cathcart, G. L., M.A., Auditor.
Purser, L. C., M.A., Litt.D., Vice-Provost.
Roberts, W. R. W., D.D., Senr. Proctor.
Culverwell, E. P., M.A., Senr. Dean and Catechist.
Russell, R., M.A., Bursar.
Fry, M. W. J., M.A., Registrar.
† Macran, H. S., M.A.

JUNIOR FELLOWS OF THE COLLEGE

Gwynn, E. J., M.A., Senr. Lectr.
Thrift, W. E., M.A.
Smyly, J. G., Litt.D.
Mooney, G. W., M.A.
*†Kennedy, W., M.A.
*†Goligher, W. A., M.A., Litt.D.
*Fraser, J., M.A.
*†Alton, E. H., M.A.
*Gwynn, R. M., B.D.
†Webb, G. R., M.A., Junr. Bursar and Registrar of Chambers, Junr. Proctor.
*Tate, Sir Robert W., K.B.E., M.A., Junr. Dean.
*Thrift, H., M.A.
*†Canning, H., M.A.
*Luce, A. A., D.D.
*Johnston, J., M.A.
*†Henry, J. M., M.A.
*†Godfrey, F. La T., M.A.
Joly, John, Sc.D.
Rowe, C. H., M.A.
Fearon, W. R., Sc.D.
Starkie, W. F., Litt.D.
Synge, J. L., M.A.
Bailey, K. C., Sc.D.

* Tutor Fellows. † Honor Lecturers for 1926–27

PUBLIC ORATOR—Sir R. W. TATE, M.A.
LIBRARIAN—J. G. SMYLY, Litt.D.
REGISTRAR—M. W. J. FRY, M.A.

REGISTRARS OF THE PROFESSIONAL SCHOOLS

Law—W. A. Goligher, Litt.D.
Physic—G. L. Allen, M.A.
Engineering—W. E. Thrift, M.A.
Music—W. F. Starkie, Litt.D.
Civil Service—E. H. Alton, M.A.
Education—R. J. Fynne, M.A.
Agriculture—J. Joly, Sc.D.
Commerce—Barley, K. C., D.Sc.

LADY REGISTRAR—OLIVE C. PURSER, M.A.
WARDEN OF TRINITY HALL—ELIZ. M. CUNNINGHAM, M.A.

PROFESSORS, LECTURERS, ETC.

Anatomy, v. Zool. and Med.—Surg.

Anglo-Saxon, v. German

Arabic, Persian, and Hindustani
Harte, Lt.-Col. E. G. Prof.

Astronomy
..... Royal
Astronomer of Ireland Prof.
Martin, C. Asst.

Biblical Greek and Hebrew
Gwynn, R. M., B.D. Prof.

Botany
Dixon, H. H., Sc.D. Prof.
Clark, T. A. Bennet, M.A. Ox. Asst.

Celtic Languages
Gwynn, E. J., M.A. Lectr.

Chemistry
Young, S., Sc.D. Prof.
Ramsden, W. C. Sr. Asst.
Bailey, K. C., M.A. Lectr.
Bell, J. Jr. Asst.

Chemistry, Applied
Werner, E. A., Sc.D. Prof.

Classical Archæol., v. Hist.

Classical Composition
Tate, Sir Robert W., K.B.E., M.A. Lectr.

Classics
Smyly, J. G., Litt.D. (Greek) Regius Prof.
Mooney, G. W., M.A. (Latin) Prof.
The Tutorial Staff Lectrs.

Dental Science, v. *infra*

Divinity, v. also Bibl. Gk., Hist., Theol.
M'Neile, A. H., D.D. Regius Prof.
White, N. J. D., D.D. (Lectr. in Hebrew) Abp. King's Prof.
Dungan, W. W., M.A. Wallace Lectr.
Luce, A. A., D.D. Asst.
Forrester, J. C., M.A. Asst.
Greene, D. C., B.D. Asst.
Oulton, J. E. L., M.A. Asst.

Economics
Duncan, G. A., B.A. Lectr.

Education
Fynne, R. J., M.A. Dub. and Lond. Prof.

Engineering, Civil
Clark, D., B.Sc. Lond., A.M.I.C.E. Prof.
Jackson, J. T., M.A. Asst.
Blair, S. C., M.A.I. Asst.
Cotter, J. R., M.A. Lectr.

Engin. Practice, Elec.
Tatlow, W., M.A., B.A.I. Lectr.

Engineering, Elec. Traction
Harriss, G. M., M.A. Lectr.

Engineering, Harbour
Griffith, Sir J. P., M.A.I. Hon. Prof.

Engineering, Sanitary
Ross, G. M., M.A., B.A.I., M.Inst.C.E.I. Lectr.

English Literature
Trench, W. Fitz J., Litt.D. Prof.
Fitzhenry, Edna C., B.A. Asst.

French, v. also Romance
The Tutorial Staff Lectrs.

Geology and Mineralogy
Joly, J., M.A., Sc.D. Prof.
Poole, J. H. J., Sc.D. (Asst. in Physics also) Research Asst.
Smyth, L. B., Sc.B. (Palæontology) Asst. and Lectr.

German [Prof.
Waterhouse, G., M.A. Camb., Litt.D. (Lectr. in Anglo-Saxon)

Hebrew, v. also Bibl. Greek, Div.
Kennedy, W., M.A. Lectr.
Alton, E. H., M.A. Lectr.

History, Ancient, and Classical Archæol. [Prof.
Goligher, W. A., M.A., Litt.D.
Johnston, J., M.A. Asst.

History, Ecclesiastical
Lawlor, H. J., D.D., Litt.D. (also Lectr. on Engl. Bible) Prof.

History, Modern
Curtis, E., M.A. (also Prof. of Oratory) Erasmus Smith's Prof.
Phillips, W. A., M.A. Lecky Prof.
Maxwell, Constantia E., M.A. Lectr.

Irish
O'Rahilly, T. F.., M.A. Prof.

Italian, v. also Romance, Span.
Tate, Sir Robert W., K.B.E., M.A. Lectr.

Law
Bastable, C. F., LL.D. (also Prof. of Pol. Econ.) Reg. Prof.

Law, Feudal and English
Baxter, J. S., LL.B. Lond., M.A., LL.D. Reg. Prof. (also Lectr. in Civil L. and Jurispr.).

Law, Const. and Crim., etc.
Moran, Frances E., LL.D. Reid Prof.

Mathematics
Rowe, C. H., M.A. Erasmus Smith's Prof.
Webb, G. R., M.A. Donegal Lectr.
Broderick, T. S., M.A. Lectr.
The Tutorial Staff Lectrs.

Medicine and Surgery, v. *infra*

Modern East Indian Langs.
..... Lectr.

Music [Prof.
Kitson, C. H., M.A. Camb., Mus.D. Ox., F.R.C.O.

Oratory, v. History
Curtis, E., M.A. Ox. Erasmus Smith's Prof.

Oriental Langs., v. Arabic, Hebrew, Modern, Sansk.

Philosophy, Moral
Macran, H. S., M.A. Prof.

Mental and Moral Science
The Tutorial Staff Lectrs.

Philosophy, Natural
Synge, J. L., M.A. Prof.
The Tutorial Staff Lectrs.

Physics, v. also Geol.
Thrift, W. E., M.A. Erasmus Smith's Prof. of Nat. & Exper. Philos.
Thrift, H., M.A. Asst.

Physiology, v. Med.

Political Economy, v. Law

Romance Languages, v. also French, Italian, Spanish
Rudmose-Brown, T. B., M.A., D.Litt. Grenoble. Prof.

Sanskrit and Comp. Philol.
Canning, H., M.A. Prof.

Spanish
Starkie, W. F., Litt.D. (also Lectr. in Italian) Prof.

Theology, Pastoral
Moeran, F. M., M.A. Prof.

Zoology and Comp. Anat.
Gatenby, J. B., D.Phil. Ox., D.Sc. Lond. Prof.
King, Dorothy S., B.A., Sc.B. Asst.

Medicine

Anæsthetics [Lectr.
Kirkpatrick, T. P. C., M.D., Litt.D.

Bact. and Preventive Medicine
Bigger, J. W., M.D. Prof.
Horgan, E. S., M.B. Asst.

Laryngology and Otology
Woods, Sir Robt. H., M.Ch. Hon. Prof.

Materia Med. and Pharmacy
Rowlette, R. J., M.D. King's Prof.

Med. Jurispr.
Bewley, H. T., M.D. Lectr.

Medicine, Institutes of, and Physiology.
Pringle, H., M.D. King's Prof.
Fearon, W. R., Sc.D. Asst.

Medicine, Practice of
Craig, Sir James, M.D. King's Prof.

Midwifery
Wilson, T. H., M.A. King's Prof.

Pathology
Wigham, J. T., M.D. Prof.
Lait, J., M.B. Junr. Asst.
Pringle, Seton, M.B. Hon. Lectr. (P. of Bone).

Physic
Moorhead, T. G., M.D. Regius Prof.

Public Health, v. also Engineering
Falkiner, N. M., M.D., D.P.H. Lectr. (Sany. Law and Vital Statistics).

Surgery and Anatomy
Dixon, A. F., M.B., Sc.D. Prof.
Taylor, Sir Wm., K.B.E., M.D. Regius Prof. of S.
Gordon, T. E., M.B. Prof. of S.
McConnell, A. A., M.B. Lectr. in Applied A.
West, C. M., M.D. Chief Demr. and Univ. Anatomist.
Haughton, W. S., M.D. Hon. Prof. (Orthopædic S.).

Dental Science

Hogan, J. E., L.D.S. Lectr. (*Dental Surg. and Pathol.*).
Friel, E. S., M.Dent.Sc. Lectr. (*Orthodontia*).
Cockburn, J., L.D.S. Lectr. (*Dental Mechanics*).

ASSOCIATED COLLEGES

MAGEE COLLEGE, LONDONDERRY, for first three years of B.A. course.

CHURCH OF IRELAND TRAINING COLLEGE, KILDARE PLACE, DUBLIN. The two-years' 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 year).

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 of 1637. Letters Patent of 1911 transferred the powers of making statutes from the Crown to the Corporation. 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 various Faculties and Schools, has the right of appointment to most Professorships, and in conjunction with the Board can make changes in the curriculum, but otherwise has only advisory functions. The power of making new statutes was reserved to the Crown until 1911, when by Letters Patent this power was given to the Board subject to the consent of a majority of the Fellows and the approval of the Visitors.

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 England. It contains 386,000 volumes and 2000 MSS., affording an unrivalled field for the study of Irish palæography. A catalogue of MSS. in the Library was published in 1900. There is a lending library of 6000 vols. bequeathed by the late W. E. H. Lecky, and departmental libraries in German and the Romance Languages, in Mathematics, in Botany, and in Zoology.

MUSEUMS. The scientific museums include Zool. and Comp. Anat., Geol. and Mineral., Surg. and Med., Path., Mat. Med., Anthropom., Engin. Models, Nat. Philos. The Zoological are among the best collections 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. Anthrop., Bio-Chem., Bot., Chem., Geol., Histology, Mat. Med., Mech. Engin., Pathology, Physical (Iveagh), Physiol., Zool.

HERBARIUM (rich in plants of N. America, India, S. Africa, and Australia). BOTANIC GARDENS, 8 acres.

The Astronomical Observatory of Trinity College is at Dunsink, 5 miles from the College. It is the official residence of the Royal Astronomer of Ireland.

Ample facilities for clinical studies and many appointments for graduates are available in numerous HOSPITALS, including the well-known Rotunda. The Irish High Court is situated within a short distance of the College.

PROFESSIONAL SCHOOLS. Divinity, Law, Physic, Engineering, Indian and Home Civil Service, Agriculture, Forestry, Music, Education, Commerce.

MATRICULATION. See Appendices XXI. and XXIII.

DEGREES. Every student must take the B.A. before proceeding to any other degree, except those in music and B.Sc., M.Sc., 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 or taking the B.Sc. course 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.

For the first 2 yrs. (Junr. and Senr. Freshman) all subjects are compulsory:

Algebra, Geom., Trig., Mech., Logic, Engl. Essay, Latin, Greek *or* French *or* Irish *or* German. After the examn. ("Little-Go") at the end of the 2nd yr. wide freedom of choice is allowed of subjects for the remaining (Junior and Senr. Sophister) yrs., and exemption from one subject is granted to Law, Engin., Comm., and Div. students. For Med. students there is a specially reduced Arts course throughout.

Pass Arts teaching, mainly given by the Tutor Fellows, is partly of a catechetical nature. 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 *Honour* B.A.—known as a *Moderatorship*—can be taken in 11 different groups (viz. 1 Math., 2 Class., 3 Ment. and Mor. Philos., 4 Exp. Sc., 5 Nat. Sc., 6 Hist. and Pol. Sc., 7 Mod. Lit., 8 Leg. and Pol. Sc., 9 Eng. Sc., 10 Celtic, 11 Oriental Lang.), 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 four years in the case of Nos. 1, 2, 4, 5, 6, 7, three years in Nos. 3 and 10, and two years in No. 8. Instruction in these Honour courses is given partly by the Profs. and partly by the Tutorial staff.

A B.A. of three years' standing may be admitted M.A. There is no examn. for this, nor is a thesis required.

The B.Sc. is obtained by a four-year course consisting of 12 terms of lectures and 4 examns. In the first two years English, French, German, Mathematics, Physics, and Chemistry are compulsory. In the last two years the student studies 3 subjects chosen from Physics, Chem., Bot., Zool., Physiology, Anat.

A B.Sc. with hons. is obtained by passing an examn. identical with Moderatorships (see above) in Experimental or Nat. Science.

The B.D. is obtained by an examn. open to all grads. in Arts, and the D.D. is open to any B.D., eight years 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., 5 yrs.; B.Dent.Sc., 4 yrs.; B.A.I., 3 yrs. (optional 4th yr. in Elec. and Mech. Engin.); Agr.B. or Agr. (Forest) B., 4 yrs., of which 3rd and 4th are taken in Coll. of Science; B.Comm., 3 yrs. The M.Sc. and Ph.D. (v. p. 18) involve post-graduate study and research for 1 yr. and 2 yrs. respectively.

A candidate for the Sc.D. or Litt.D. must have at least 3 yrs.' standing as B.A., and submit important original work; for LL.D. must be of M.A. standing—a thesis or examn. is required; for M.D. must have taken the M.B. degree and 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 1 yr.'s 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.D. is granted after an exercise or practical test.

DIPLOMAS in Agric., Educn. (Primary and Higher), Econ. and Comml. Knowledge, Elec. Engin., Gynæc. and Obst. (1 yr. course), D.P.H., Religious Knowledge (women).

License in Engineering (first two years of Arts course and complete course in Engineering). License in Med., Surg., and Obst. Science.

Certificate in Engineering (complete course in Engineering, but without Arts course).

Testimonium in Divinity (2 yrs.' course).

RECOGNITION OF OTHER UNIVS., ETC. Credit is allowed for terms kept at Oxford or Cambridge, but no student or graduate of any other Univ. can take the B.A. unless he has kept at least 2 yrs. at Trinity College. No student can

take any medical degree unless he has attended at least 3 yrs. in Trinity College.

A B.A., B.Sc., or M.A. of any of the undermentioned Univs. may be allowed credit *pro tanto* for the first 2 yrs. and the examn. held at their expiration: Aberd., Belf., Birm., Brist., Edin., Glas., Leeds, Liver., Lond., Manch., St. And., Sheff., Wales, and Nat. Univ. of Ireland.

A student who has passed two years in Arts studies at any of the undermentioned Univs. and passed the examns. belonging to that period is given credit *pro tanto* for the first academic year: Adel., All., Bom., Cal., Dacca, Dalh., McGill, Madr., Mel., N. Brun., N. Zea., Panj., Patna, Syd., Tas., Tor., King's Coll. (Windsor, N.S.).

A student who has passed the Matricn. examn. of any Univ. in S. Africa, including Latin, Maths., and either French, German, Dutch, or Greek, is admitted without further examn., and, if a Med. student, is excused the Prelim. Med. examn. Medical students are given credit for lectures and examns. in Zool., Bot., Chem., and Physics of any S. African Univ., and also for lectures and practical work in Anat. and Physiol., but not for the examns. in these last two subjects. Courses in Path. and Bact. at Cape Town and Witwatersrand are also recognized.

A student who has passed the Interm. examn. of any Univ. in S. Africa is permitted to present himself at the Final Freshman examn., with exemption from those subjects in which he has already passed at the Interm. examn.

A student who has passed the B.A. examn. of any Univ. in S. Africa is allowed credit for the 1st two collegiate yrs. and for the Final Freshman examn.

To students admitted to advanced standing the entrance fee is remitted and in most cases some of the half-yearly Arts fees.

In keeping terms students from S. Africa are allowed to substitute Dutch for French or German, when 2 languages are required.

Likewise the Board and Council are prepared, in the case of students of Medicine, to consider applications from Colonial Univs. and Colls. for recognition of courses of instruction given by them.

Students from S. Africa should write to the Senior Lecturer for fuller information.

No recognition granted under this scheme will exempt a student wishing to take the Dublin degree from spending at least three full years of Med. study in Trin. Coll.

FEES. Entrance, £15; Composition for all Arts and Science Lectures, 20 gs. p.a.; Medical course total (including Hospitals and Degree fees), about £150; Dental Science total, about £200; Engineering, (3 yrs.) £50 (minimum), in addition to Arts Tuition fees; Divinity free for students in Arts, 20 gs. p.a. for others; Commerce, £47 (if Arts Course is taken), £80 (for external students).

Among SCHOLARSHIPS, PRIZES, ETC., OPEN TO GRADUATES are: Two studentships of £100 offered at the B.A. degree examn.; prizes from £50 upwards to selected honour graduates with conditions of study and research attached. 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 in Berlin, Paris, or Vienna). A number of other prizes, etc. (including the National Hist., nearly £400), are open to graduates under M.A. standing.

RESIDENCE. The College has accommodation for 320 students. Rent £9 to £20 p.a. for single sets, £14 to £32 for double sets of rooms; dinner in Hall, 14s. a week. Trinity Hall accommodates 40 women; board and

residence, £23 : 10s. to £28 : 10s. per term of 10 weeks. There is also a hostel for Divinity students of the Church of Ireland.

PUBLICATIONS. *Calendar* (Oct.), 4s., includes information as to courses, 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. per set. The final *War List* has been published, price 2s. 6d. *Book of T.C.D.*, 1591–1891, 21s. (Hodges, Figgis & Co., Dublin). *Hermathena* (occasional), original papers in Arts subjects. *T.C.D.* (Students'), 3d. weekly.

THE YEAR 1925–26

BENEFACTIONS. Late Sir J. W. Hackett, £2882; Miss A. E. Boston, £400 for necessitous women students; Memorial Scholarship, Mrs. A. Anderson, £205.

LEGISLATION. A new primary degree in Science (B.Sc.) established, for which Latin is not compulsory. Four-years' course and the same fees as for B.A. Only M.Sc. and Ph.D. degrees are open to B.Sc. graduates who are not B.A. Former holders of B.Sc. are given the new research degree of M.Sc., which is the equivalent of the former B.Sc. New Codified Statutes enacted and all previous Statutes repealed.

CHANGE IN COURSES. The Arts Lecture terms increased in length by one week.

NEW DEVELOPMENT. A Diploma in Psychological Medicine established.

RESIGNATIONS. Sir T. W. Haig, Prof. of Arabic, for post in London Univ.; Drury, T. W. F., Prof. of Pastoral Theology, on expiry of tenure.

HONORARY DEGREES. *D.D.*—Headlam, Rt. Rev. A. C.; Soderblom, Most Rev. Dr. Nathan L. O. J. *LL.D.*—Coghlan, Sir C. P. J. *M.Ch.*—Moynihan, Sir B. G. A.

OTHER DEGREES. D.D., 4; LL.D., 7 (including 1 woman), M.D., 9; Litt.D., 1; Sc.D., 3; Ph.D., 1 (w.); B.D., 2; M.A., 82 (w. 17); M.Ch., 2; LL.B., 17; M.B., 107 (w. 21); B.A.I., 19; B.Dent.Sc., 7 (w. 1); Sc.B., 1; B.Agric., 1; B.Sc.Tech., 1; B.A.I.Elec., 1; B.A., 212 (w. 51); Mus.D., 2; Mus.B., 3.

STUDENTS, June 1926 : in Arts (including most professional students other than fifth-year medical), undergrads., 826 (including women—205); graduates, 46 (w. 15). Total, 872. In addition 115 (w. 19) medical students not at the time on the books in Arts, and 101 (w. 85) primary teachers in training. Medical students altogether numbered 328 (w. 41); Engineering, 43; Divinity, 23; Commerce, 17 (w. 2); Law, 20; Secondary Education diploma students, 10, mostly graduates; Agriculture, 3.

DONELLAN LECTURER—Dr. Nathan Soderblom.

The Summer vacation courses for American students were cancelled owing to the British General Strike.

A post-graduate medical course was held in the Long Vacation.

THE NATIONAL UNIVERSITY OF IRELAND

VISITOR—H.M. THE KING.

CHANCELLOR—EAMON DE VALERA, B.A., B.Sc.

VICE-CHANCELLOR—ALEXANDER ANDERSON, M.A., D.Sc., LL.D., President University College, Galway, *until* Dec. 31, 1928.

PRO-VICE-CHANCELLORS—THE PRESIDENTS, UNIV. COLLS., DUBLIN AND CORK, AND ST. PATRICK'S COLL., MAYNOOTH.

REPRESENTATIVES IN THE DAIL—M. HAYES, M.A.; P. M'GILLIGAN, M.A.; W. MAGENNIS, M.A.

REGISTRAR—FRED. H. WIBER, LL.D., 49 Merrion Square, Dublin.

CONSTITUENT COLLEGES. University Colleges, Dublin, Cork, and Galway.

RECOGNIZED COLLEGE. St. Patrick's College, Maynooth.

PROFESSORS AND LECTURERS

Prof. of Catholic Theology—J. J. Hannon.
Staffs of the Univ. Colleges, v. *infra*.
Recognized Teachers in approved degree courses in St. Patrick's College, Maynooth (President—Rt. Rev. Monsignor MacCaffrey, Ph.D.). *Classics*—J. F. D'Alton, M.A., D.D., D.Litt.; T. Fahy, M.A.; J. Duff, M.A. *Eastern Languages*—P. Boylan, M.A., D.Litt. *English*—C. Mulcahy; P. MacSweeney, M.A. *French and German*—J. L. Rigal, M.A. *Irish*—G. O'Nolan, M.A., D.Litt. *Maths. and Math. Physics*—P. J. Browne, M.A., D.Sc. *Expl. Physics*—P. J. Nolan, M.Sc., Ph.D. *Mental and Moral Philos.*—M. Forker, D.Ph., D.D.; P. Coffey, D.Ph.; J. O'Neill, D.Ph. *Music*—..... *Welsh*—P. Walsh, M.A. *Education*—W. J. Williams, M.A., Dip. in Ed. (Teaching).

GENERAL INFORMATION

Queen's University in Ireland, founded in 1850, was replaced in 1880 by the Royal University of Ireland, which was dissolved along with Queen's College, Belfast, on Oct. 31, 1909. On this date the National University of Ireland, Univ. College, Dublin, and 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 N.U.I.

FACULTIES. (1) Arts, (2) Philosophy and Sociology, (3) Celtic Studies, (4) Science, (5) Law, (6) Medicine, (7) Engineering and Architecture, (8) Commerce. Music is included in Arts and Celtic Studies. Classes are held in all Faculties at each of the constituent Colleges, and in 1, 2, 3, and 4 at Maynooth.

DEGREES: B.A., M.A., D.Litt., B.Mus., D.Mus., D.Litt.Celt.; B.Sc.,

B.Agr.Sc., M.Sc., M.Agr.Sc., D.Sc.; LL.B., LL.D.; M.B., B.Ch., B.A.O., M.Ch., M.A.O., M.D., B.Sc. and D.Sc. in Pub. Health, B.D.S., M.D.S.; B.E., B.Arch., M.E., M.Arch.; B.Comm., M.Comm.; Ph.D.

Course for a First degree in any faculty—9 terms in one of the Constituent Colls. or St. Patrick's.

The M.Sc., M.Agr.Sc., D.Sc., B.Sc., Pub. Health, M.E., M.Arch., Ph. D. may be conferred on graduates or other students for research under prescribed conditions in the Univ. or in a Constituent Coll. during at least 3 terms for a Master's degree or 6 terms for the Doctorate. The duration prescribed for the course of study and research for the Ph.D. is 9 terms (reducible to 6). See p. 18.

Diplomas are offered in the subjects of Faculties 1, 3, 8, and in several others; certificates in Commercial subjects. A Higher Diploma in Educn. may be obtained by a graduate of any Univ. of the U.K. or other approved Univ. after a course in one of the Constituent Colls.

FEES: Matricn., £3. Combined examn. and degree, £9 to £21. Diplomas £2 to £5.

STUDENTSHIPS, ETC., FOR GRADUATES. Five of £200 each, tenable for 2 yrs. outside Ireland (to which a prize for a further year of Irish Historical Research may be added), open to graduates of the Univ. of not more than 4 yrs.' (one in Medicine, 2 yrs.') standing; one of £150 in Mental and Nervous Diseases; one of about £40; prize of £100 for Irish Historical Research.

PUBLICATION. *Calendar* (July), 2s.

THE YEAR 1926. Degrees, etc., conferred: B.A., 209 (including 63 women); M.A., 19 (w. 3); B.Mus., 2 (w. 1); D.Litt., 2; B.Sc., 39 (w. 13); M.Sc., 16 (w. 5); B.Agr.Sc., 6; LL.B., 4; M.B., etc., 139 (w. 24); M.D., 5; M.Ch., 3; M.A.O., 1; B.D.S., 15 (w. 5); B.E., 30; M.E., 1; B.Comm., 61 (w. 34); M.Comm., 2; M.D.S., 2; LL.D., 1; Ph.D., 1; D.Sc., 1; Diploma in Edn., 61 (w. 26); Higher Dip. in Edn., 98 (w. 59); D.P.H., 12 (w. 3); Diploma in Irish Studies, 2; Diploma in Mental Diseases, 1. Honorary Degrees: D.Litt., 1; LL.D., 1. Travelling Students, 1925: Edward N. M'Dermott (Pathology); 1926: T. J. Hickey (Economics), R. K. Boylan (Experimental Physics), Ethna M. Byrne (Modern Languages), J. Carroll (Agriculture); Postponed from 1922: T. W. T. Dillon (Pathology).

UNIVERSITY COLLEGE, DUBLIN

VISITOR—H.M. THE KING.
PRESIDENT—D. J. COFFEY, M.A., M.B., B.Ch., B.A.O., LL.D.
REGISTRAR—Prof. A. W. CONWAY, M.A., D.Sc., F.R.S.
SECRETARY AND BURSAR—J. W. BACON, M.A.
LIBRARIAN—J. J. O'NEILL.

PROFESSORS, LECTURERS, ETC.

Accountancy
O'Connor, D., A.C.A. Lectr.

Agricultural Botany [Lectr.
*Gorman, M. J., A.R.C.Sc.I.

Agricultural Chemistry
*Stephenson, G. Lectr.

Agriculture [Prof.
Drew, J. P., M.Sc., A.R.C.Sc.I.

Anatomy
M'Loughlin, E. P., B.A., M.B., B.Ch., B.A.O. Prof.
McAuley, C. J., M.B., B.Ch., F.R.C.S. Asst.
Meade, H. S., F.R.C.S. Asst.
Keenan, E., M.B., B.Ch. Asst.

Archæology, Celtic [Prof.
Macalister, R. A. S., M.A., D.Litt.

Architecture
Butler, R. M., F.R.I.B.A., F.R.I.A.I. Prof.
Scarlett, F., B.A.(Arch.) Lond.

Banking and Finance
Leet, F. L., LL.D. Lectr.

Botany
Doyle, Joseph, B.A., M.Sc. Prof.
*Johnston, T., D.Sc., F.L.S. Prof.
**O'Connor, P., B.Sc.

Chemistry
Ryan, H., M.A., D.Sc. Prof.
Algar, J., M.A., D.Sc. Lectr.
Keane, J., M.Sc., Ph.D. Asst.

Chemistry, Organic [Lectr.
*O'Farrelly, A., M.A., F.I.C.

Chemistry, Physical and Metallurgical
*Leonard, A. G. G., B.Sc., Ph.D. Lectr.

Classics
Tierney, M., M.A. (Greek) Prof.
Semple, P., M.A. (Latin) Prof.
Farrell, E., B.A. Asst.

Commerce
Shields, B. F., M.A. Prof.

Dentistry, v. *infra*

Economics, National, of Ireland
O'Brien, G., B.A., D.Litt., B.L. Prof.

Education [Prof.
Corcoran, T., S.J. B.A., D.Litt.
*Williams, W. J., M.A. Lectr.
Aughney, E., M.A., H.Dip.Ed. Asst.
Sugrue, M., B.A., H.Dip.Ed. Asst.

* Profs. and Lectrs. of the former Royal College of Science who have accepted equivalent offices in Univ. College, Dublin, and have been appointed Profs. and Lectrs. of the N.U.I. in this College.
** Demonstrators similarly appointed.

Engineering, Civil
Purcell, P. F., M.A., M.A.I., A.M.I.C.E. Prof.
Lewis, F., B.Sc. Asst.

Engineering, Electrical, v. Physics

Engineering, Mechanical
*Taylor, J., M.A. Lectr.
**Warwick, F. W., B.A., B.E. Acting Lectr.
**Cormack, P., F.R.C.Sc.I.

English Lang. and Philology
..... Prof.
McSweeney, J. J., M.A. Temp. Lectr.

English Literature
Donovan, R., B.A. Prof.
McCarvill, Mary, M.A. Asst.

Forestry
*Henry, A., M.A., F.L.S. Prof.

French and Romance Philol.
Chauviré, R., D. ès L. Prof.
O'Kelly, Mary, B.A. Lectr.
Harnett, Ellen, M.A. Asst.

Geology
Seymour, H. J., B.A., B.Sc. Prof.

German
Macken, Mrs., M.A. Prof.
Bowler, Margt., M.A. Asst.

History [Prof.
O'Sullivan, J. M., M.A., Ph.D.
Binchy, D. A., M.A. Acting.
Webb, J. J., M.A., LL.D. Dublin Corpn.
Lectr. in Municipal H. (acting).

History, Early, including Mediæval Irish
MacNeill, J., B.A., D.Litt. Prof.

History, Modern Irish
Hayden, Mary T., M.A. Prof.

Irish, Early and Mediæval
Bergin, O., D.Litt. Wales, B.A., Ph.D. Prof.

Irish Lang. and Lit., Modern
Hyde, D., LL.D., D.Litt. Prof.

Irish Language
O'Farrelly, Agnes, M.A. Lectr.
Delargy, J. H., M.A. Asst.

Italian and Spanish
Degani, Maria A., Dipl. Univ. Padua Prof.

Law, Constitutional, etc.
..... Prof.

Law, Jurispr., and Internat. and Roman
Binchy, D. A., M.A., Ph.D. Prof.

Law of Property and of Contracts
Clery, A. E., B.A., LL.D., B.L. Prof.

Mathematics
M'Weeney, H. C., M.A. Prof.

Mathematics, Pure
Egan, M. F., S J , M.A. Lectr.
Keating, G., M.Sc. Asst.

Mathematics, Pure and Applied
*Orr, W. MacF., M.A., D.Sc., F.R.S. Prof.

Mathematical Physics
Conway, A. W., M.A., D.Sc., F.R.S. Prof.

Medicine and Surgery, v. *infra*

Music
Larchet, J. F., Mus.D. Prof.

Music, Irish
O'Dwyer, R. Prof. (acting).

Oriental Languages
Boylan, P., M.A., D.Litt. Prof.

Philosophy
O'Keeffe, D., M.A. (Ethics and Politics) Prof.

* Profs. and Lectrs. of the former Royal College of Science who have accepted equivalent offices in Univ. College, Dublin, and have been appointed Profs. and Lectrs. of the N.U.I. in this College.

** Demonstrators similarly appointed.

Shine, J., M.A. (Logic and Psychology) Prof.
Magennis, W., M.A. (Metaphysics) Prof.

Physics, Experimental
Nolan, J. J., M.A., D.Sc. Prof.
Dowling, J. J., M.A., F.Inst.P. Lectr.
Nolan, P. J., M.Sc., Ph.D. Asst.

Physics and Electrical Engineering
*Hackett, F. E., M.A., M.Sc., Ph.D. Prof.
**O'Callaghan, P., A.R.C.Sc.I.
*Allen, R. G., B.Sc., M.I.E.I. Lectr. (*Electro-Technology*).

Physiology and Histology
O'Connor, J. M., B.A., M.D. Prof.
Conway, E., M.Sc., M.B., B.Ch. Asst.

Political Economy, v. also Econ.
Finlay, T. A., S.J., M.A. Prof.

Welsh
Jones, J. Ll., M.A., B.Litt. Prof.

Zoology
Butler, J. B., M.A., M.B., B.Ch., B.A.O. Prof.
Dinan, T., M.Sc. Demr.

Medicine

Hygiene and Med. Jurispr.
Meenan, J. N., M.B., B.Ch., B.A.O., D.P.H. Prof.

Mat. Med. and Therap.
Hayes, Maurice, F.R.S.C.I. Prof.

Medicine
..... Prof.

Midwifery and Gynæc.
Farnan, R. P., M.B., B.Ch. Prof.
O'Kelly, J. J., B.A., M.B., B.Ch., M.A.O. Lectr. (Obstetrics).
White, R., F.R.C.S.I. Lectr. (Gynæc.).

Ophthalmology
Werner, L., B.A., M.B., B.Ch., B.A.O., F.R.C.S.I. Prof.

Pathology and Bacteriology
..... Prof.
O'Farrell, T. T., F.R.C.S.I., D.P.H. Lectr.
O'Kelly, W. D., B.A., M.D., D.P.H. Lectr.

Pathology, Special
Crofton, W. M., B.A., M.D. Lectr.

Surgery [Prof.
M'Ardle, J. S., M.Ch., F.R.C.S.I.
Barniville, H. L., B.A., M.D., M.Ch. Asst.

Dentistry

Sheridan, E., F.R.C.S.I., L.D.S., M.D.S. Prof. (D. Surg.).
Potter, J. I., L.D.S., M.D.S. Prof. (D. Mech.).
Flanagan, L., B.D.S., M.B., B.Ch. Lectr. (Orthod.).

* Profs. and Lectrs. of the former Royal College of Science who have accepted equivalent offices in Univ. College, Dublin, and have been appointed Profs. and Lectrs. of the N.U.I. in this College.
** Demonstrators similarly appointed.

GENERAL INFORMATION (v. also p. 328)

The College was constituted by Royal Charter in 1909. The LIBRARY, 65,000 vols., includes the books of the late Catholic Univ. and R.U.I., the Palles Law Library (presented by Archbishop Walsh), the Stopford Green and the Zimmer Celtic Library. MUSEUMS: Ancient History. LABORATORIES include those of the late R.U.I. and of the new buildings completed in 1919.

COURSES are provided for the degrees of the N.U.I. in all Faculties.

FEES for tuition, annual, in degree courses: Arts or Comm.—14 gs.; Science—£20 to £25; Engin.—£20 to £23; Law (in addition to Arts)—8 gs.; Med. (including Coll. Hospl.), whole period—£165.

COLLEGE SCHOLARSHIPS, post-graduate in Arts or Science, 5 of £60.

RESIDENCE. Hostels for men and for women. Students are subject to supervision by Deans of residence.

PUBLICATION. *Calendar*, Nov., 5s.

THE YEAR 1925–26. *Deaths*: Profs. J. G. Swift MacNeill and C. H. Oldham. *Students*, full-time: total, 1105 (including 332 women); graduate students, in Arts and Pure Science 121 (women 59), Medicine 23 (w. 8); preparing for a first degree, in Arts, etc. 675 (w. 255), Med. 236 (w. 32), Law 21 (w. 1), Engineering and Archit. 96 (w. 1), Agric. 26. Resident in hostels, 360 (w. 145). Part-time: total, 104 (w. 26); degree students in Arts, etc. 12 (w. 1); diploma students, Arts, etc. (Music Certif.) 20 (w. 17), Law 52 (w. 3), Archit. 15; Occasional, 5 (w. 1). Non-matriculated, part-time, 72 (w. 21). Vacation course for foreign students in Aug. 1926, 43. Local courses in Irish language in July 1926, 60. *Degrees obtained*: B.A., 87 (w. 27); B.Sc., 36 (w. 16); B.Comm., 40 (w. 21); M.B., B.Ch., B.A.O., 91 (w. 15); B.D.S., 10 (w. 4); B.E., 21; B.Agr.Sc., 5; M.A., 7 (w. 1); M.Sc., 12 (w. 1); M.D., 2; M.D.S., 1; Higher Dip. Ed., 65 (w. 37); D.P.H., 7 (w. 2); Dip. Ment. Dis., 1.

COLLEGE OF SCIENCE FOR IRELAND, DUBLIN: TRANSFERENCE TO UNIVERSITY COLLEGE, DUBLIN.—By the provisions of the University Education (Agriculture and Dairy Science) Act 1926 of the Irish Free State the functions of the College of Science have been transferred to University College, Dublin, and special provisions have also been made by the Act for the establishment of new Faculties of General Agriculture and Dairy Science in the University Colleges, Dublin and Cork respectively, with endowment for each of those Faculties. In connexion with the transference the buildings of the College of Science have been leased to University College for a period of ninety-nine years, subject to certain reservations for the accommodation of Government Departments. By the Act equivalent appointments in University College were required to be offered to existing officers of the College of Science—see footnote, p. 330.

The same Act also transferred the Albert Agricultural College and farms to University College, Dublin, on lease for the purposes of the new Faculty of General Agriculture, and existing officers similarly received equivalent appointments therein. New Statutes provide for the organization of the new Faculty, which by its special endowment will provide for a wider development of higher instruction in Agriculture and research related to it than formerly. The Faculty of General Agriculture is placed in University College, Dublin. Apart from the Faculty of General Agriculture in the Dublin College, the main effect of the transference of the College of Science is a limitation in duplication of buildings and equipment in overlapping subjects. The rights of existing officers having been provided for, the educational work is now part of the ordinary University system in University College, Dublin.

Previous to the transference the University and College made regulations for the admission of the students attending the College of Science since 1924 as matriculated students with equivalent credit for their courses and examinations, and many have taken degrees. The

courses for those of the 3rd and 4th years are being held as previously, pending reconsideration of the curriculum in the Session 1926–27. It is assumed that no change will arise in respect of facilities for students of Dublin University such as have been previously given.

In future, as part of University College, Dublin, the qualifications offered to students will primarily be the Degrees of the National University, with such other Diplomas or Distinctions as the University may establish, with transitional measures to provide for those who have not yet completed their courses.

The LABORATORIES are fitted throughout with all modern appliances. Facilities for technical research in all branches of Chemistry, *e.g.* extraction of metals, production of metallic alloys, glazes, enamel, glass, pigments, paints, coal-tar derivatives, peat products, synthetic drugs. Engineering Pattern Shop, Foundry, Smithy, Machine Shop; examples of types of engines aggregating 700 H.P. Hydraulics and Hydraulic Machinery Labs. Testing Machines recording up to 100 tons. Elec. Engin. Labs. with D.C. and A.C. machines. Extensive Physics, Agric., and Nat. Sc. equipment.

LIBRARY with 59,000 Scientific and Tech. books, 10,000 pamphlets, numerous maps, etc.

UNIVERSITY COLLEGE, CORK

VISITOR—H.M. THE KING.

PRESIDENT—P. J. MERRIMAN, M.A.

REGISTRAR—A. O'RAHILLY, M.A., B.Sc., Ph.D.

SECRETARY AND BURSAR—J. DOWNEY, M.Comm.

LIBRARIAN—J. FAWCETT, M.A.

PROFESSORS, LECTURERS, ETC.

Accounting
MacCarthy, C. P., M.Comm. Lectr.
1 Demr.

Agriculture
Boyle, C., M.A. Wisc., B.Sc., Ph.D. Lond. D.I.C. Prof.
Grimes, M., M.Sc. Tor., Ph.D. Iowa Asst. (Bacteriology).

Anatomy [Prof.
Fitzgerald, D. P., B.A., M.B.
Henley, F. J., B.A., B.Sc., M.B. Asst.
Kiely, P., B.Sc., M.Ch., M.D., F.R.C.S. Eng. Asst.
1 Demr.

Archæology
Power, P., D.Litt., M.R.I.A. Prof.

Architecture [Lectr.
Hill, H. H., B.A. Liv., A.R.I.B.A.

Botany [Prof.
Cummins, Maj. H. A., M.D., C.M.G.
1 Demr.

Chemistry
Reilly, J., M.A. Camb., D.Sc. Geneva, H.Dip.Ed., F.R.C.Sc.I., F.I.C., F.I.P. Prof.
Taylor, John, D.Sc. Lectr.
Kennedy, R., M.Sc. Asst.
Conroy, T. A., M.A., H.Dip.Ed. ,,

Classics
Treston, H. J., M.A., D.Litt. Prof.
Porter, W. H., M.A. Dub. Lectr.

Dentistry, v. *infra*

Economics and Commerce [Prof.
Busteed, J., M.Comm., F.S.S.

Education, Methods of
O'Sullivan, Eliz. M., M.A. Prof.

Education, History of
M'Sweeney, E. P. Lectr.

Engineering, Civil
Walsh, H. N., M.E., D.I.C. Prof.
Coffey, Patrick, B.E. Asst.

English [Prof.
Stockley, W. F. P., M.A. Dub.

French
Aherne, Catherine, B.A., H.Dip.Ed. Asst.

Geology and Geography
Swain, I., B.A., A.R.C.Sc.I. Prof.

German
Curran, Mary, M.A. Prof.

History
Hogan, J., M.A. Prof.

Irish Lang. and Lit.
O Donoghue, T., D.Litt. Prof.
O'Donoghue, E. Lectr.
O'Cadhlaigh, C., M.A. Asst.

Irish Music [Lectr.
Patterson, Annie, B.A., Mus.Doc.

Jurisprudence
Murphy, C. K., M.A., LL.B., H.Dip.Ed. Prof.

Law
..... Prof. (Contracts, etc.).
Daly, George J., B.L. Prof. (Real Property).

Mathematics
Conran, M. J., M.A., D.Sc. Prof.

Mathematical Physics [Prof.
O'Rahilly, A., M.A., B.Sc., Ph.D.

Medicine and Surgery, v. *infra*

Music
Lacy, F. St. J., F.R.A.M. Prof.

Philosophy
Fitzgibbon, T. E., B.A., Ph.D. Louvain Prof.
Callaghan, Rev. John, M.A. Asst.

Physics
Bergin, W., M.A. Dub. Prof.
Belas, P. E., B.A., M.Sc., A.R.C.Sc.I. Lectr.

Physiology
Barry, D. T., M.D., D.Sc., D.P.H., F.R.C.S. Prof.
Freud, John, M.D. (Vienna) Asst.
1 Demr.

Romance Languages, v. also French
Ryan, Mary, M.A. Prof.
1 Asst.

Spanish
Cooke, W. C. Lectr.

Zoology
Renouf, Louis P. W., B.A. Camb., Dip. Agric. Camb. Prof.
1 Demr.

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

Hygiene [Prof.
Donovan, D. D., L.R.C.P. and S.E.

Materia Med.
Dundon, J., M.B., B.Ch., B.A.O., F.R.C.S. Prof.
1 Demr.

Medical Jurisprudence
..... Lectr.

Medicine
O'Sullivan, P. T., M.D., B.Ch., B.A.O., M.R.C.P. Prof.

Mental Diseases
McCarthy, O. F., L.R.C.P. and S. Edin., L.R.F.P.S. Glas. Lectr.

Obstetrics and Gynæcology
Kearney, J. J., M.D., D.P.H. Prof.

Ophth. and Otology
..... Prof.

Pathology
Moore, A. E., M.B., B.Ch., B.A.O. Prof.

Surgery
Pearson, C. Y., M.D., M.Ch., F.R.C.S. Prof.
Pearson, C. B., M.D., M.Ch. Asst.

Dentistry

Hackett, J. R., M.B., L.D.S. Lectr. (D. Surg.).
Sheedy, G., L.D.S. Lectr. (D. Mech.).
Cantillon, E. V., M.B. Asst. (D. Mat. Med.).

Extra-mural Work

McGrath, F. A., B.E. Lectr. in Mech. & Elec. Engin.

GENERAL INFORMATION (v. also p. 328)

Queen's College, Cork, founded in 1845, became a constituent College of the N.U.I. in 1908.

LIBRARY: 100,000 vols., including the d'Arbois de Jubainville collection of Celtic works, the Sharman Crawford Library, the Wilson Historical Library, the Sexton Anglo-Indian Library. MUSEUMS: Archæol., Ethnol., Geol., Mineral., Nat. Hist., Med.

LABORATORIES. Agr., Biol., Chem., Engin. (Testing, 200,000-lb. machine,

and Hydraulics), Geol., Physics, Medical School. BOTANICAL GARDENS. OBSERVATORY with 8″ equatorial and 11″ photo. telescopes, seismograph, and 4″ siderostat.

Complete COURSES provided for all degrees and diplomas of the Univ., except 2 years in the B.Sc.Agric. course. Students are also prepared for the examns. of the Univ. of London. The College Certificate in Dairying (2 years' course) must be obtained by all those who wish to become creamery managers in Ireland.

Commerce students can do 6 mos.' practical work in railway or accountants' offices, etc. Courses in Engin. (Mech., Elec., Chem., Workshop Practice, Design, and Drawing) at the Municipal Tech. Sch. qualify for the B.E. degree.

FEES for tuition, including College fee: Arts, £45; Science, £76; Engin., £73; Med., £165, including Hospl. fees; Dentistry, £185, including Hospl. fees; Music, £39.

RESIDENCE. Hostel for men and hostel for women (charitable trust, R.C. only); students are supervised by Officers of Residence.

PUBLICATION. *Calendar* (Easter), 1s. A Cork Univ. Press has been founded (Agents, Educational Comp. of Ireland, and Messrs. Longmans, Green & Co.).

THE YEAR 1925–26. Number of students 534, including 154 women. Full-time students, 427. DEGREES OBTAINED (1925): B.A., 56 (women 21); M.A., 3; B.Sc., 4; M.Sc., 1; D.Sc., 1; LL.B., 1; M.B., B.Ch., B.A.O., 65 (w. 9); B.D.S., 9 (w. 2); M.D., 2; M.Ch., 2; B.E., 9; B.Com., 12 (w. 7).

UNIVERSITY COLLEGE, GALWAY

VISITOR—H.M. THE KING.

PRESIDENT—ALEXANDER ANDERSON, M.A. Camb., D.Sc., LL.D.

REGISTRAR AND SECRETARY—Rev. Professor J. HYNES.

LIBRARIAN—Prof. HOWLEY.

BURSAR—Prof. WALSH.

PROFESSORS AND LECTURERS OF THE UNIVERSITY

Anatomy
Shea, S., M.B., B.Ch., B.A.O. Prof.
1 Demr.

Archæology, Celtic
Hynes, J., M.A., B.D. Prof.

Chemistry
Dillon, T., M.A., D.Sc. Prof.
Clarke, Miss R., B.A., D.Sc. Demr.

Classics, Ancient
Dempsey, T., M.A. Prof.

Economics, Commerce, & Acctcy.
M'Bryan, F., M.A., H.Dip.Ed. Prof.

Education
Larkin, P., B.A., H.Dip.Ed. Prof.

Engineering, Civil
Rishworth, F. S., B.E., B.A., A.M.I.C.E. Prof.
Glynn, J. P., M.E. Sub. Prof.
O'Connor, H. G., M.E., A.M.I.C.E.I. Asst.

Engineering, Electrical
Griffith, W. G., B.Sc. Lond., A.M.I.E.E., M.I.C.E.I. Prof.

English Language and Lit.
Byrne, W. A., M.A. Prof.

Geology and Mineralogy
Mitchell, J., B.Sc., B.E. Prof.

German
Shea, Mrs. M. M., M.A. Prof.

History (Special Reference to Irish H.) [Prof.
Donovan O'Sullivan, Mrs., M.A.

Irish Lang., Philol., and Lit.
O'Maille, T., M.A. Manc., Ph.D. Frei. Prof.

Irish, Modern
Mac Enri, S. P., M.A., M.D. Lectr.

Law and Jurisprudence
Arkins, P. A., B.A., LL.B. Prof.

Mathematics
Power, M., M.A., B.Sc. Prof.
Mitchell, J., B.Sc., B.E. Asst.

Medicine and Surgery
Colahan, N. W., M.D., M.Ch. (Fevers, Materia M., etc.) Prof.
Mahon, R. B., M.D., M.Ch., F.R.C.S.E. (Practice of M.) Prof.
English, Adeline, M.B., B.Ch., B.A.O. (Mental Diseases) Lectr.
Kinkead, R. J., B.A., M.D. Dub. (Obst. and Gynæc.) Prof.
Mac Enri, S. P., M.A., M.D. Dub., B.Ch. (Ophth. and Ot.) Prof.
Walsh, T., M.A., H.Dip.Ed., B.Sc., M.D., D.P.H. Prof. of Pathology and Lectr. in Med. Jur. and Hygiene.
O'Malley, M. G., M.B., B.Ch., F.R.C.S.E. (Practice of S.) Prof.

Assts. in Obst. and Gynæc. and Pharmacy:

Morris, D. V., M.B., M.A.O.
Waters, J. J., M.B.

Natural History

Little, P. A., M.Sc. Acting Prof.
Connolly, Miss G., M.Sc. Asst.

Philosophy

Howley, J. F. W., D.Litt. Prof.

Physics

The President Prof.
McHenry, J. J., M.A., M.Sc. Asst.

Physiology

Donegan, J. F., M.B., B.Sc. Prof.

Romance Languages

O'Brien, W., M.A. Prof.

GENERAL INFORMATION (v. also p. 328)

Queen's College, Galway, opened in 1849, became a constituent College of the N.U.I. in 1908.

LIBRARY: 50,000 vols. LABORATORIES: Physics, Chem., Biol., Physiol., Path., Geol., Engin. MUSEUMS: Nat. Hist., Mat. Med., Gynæc., Anat. Dept.

DEGREE COURSES in Arts, Celtic, Science, Law, Med., Engin., Commerce. Courses for Diplomas in Educn., Irish Studies, Commerce, and Public Health.

Med. degree students are required to spend 1 yr. at a Metropolitan Hospl. after a 4 yrs.' course in the College and 2 yrs. in the Galway Hospitals.

FEES. College, £2 (women, £1). Degree courses (approximately): Arts, £26; Science, £30 to £45; Law, £12; Medicine (including 2 years General Hospital fees), £78; Engineering, £46; Commerce, £32. Post-graduation or research course, £5.

SCHOLARSHIPS open to students of the Coll. on graduation: 4 of £30.

RESIDENCE. The cost of board and lodging for a student varies from 26s. to 30s. 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.

PUBLICATIONS. College *Handbook* and list of licensed lodging-houses, free; Regns. for Degrees and Courses (8d.); Regns. for Scholps. and Diploma in Educn. (2½d.), from O'Gorman and Co., Galway; Univ. Examn. Papers (post free, 1s. 8d.), from Supervisor of Examns., Univ. Coll.

THE YEAR 1925–26. Full-time students: Total, 186, including 78 women; graduate students, in Arts and Pure Science 10 (women 9), Med. 1, Commerce 2 (w. 1); preparing for a first degree, Arts, etc. 44 (w. 26), Med. 53 (w. 6), Law 3, Engin. 18, Comm. 74 (w. 46). Part-time: diploma students 66 (w. 36). DEGREES OBTAINED: B.A., 7; M.A., 1; B.Sc., 2; B.Comm., 18; B.E., 5; M.B., 15; D.P.H., 1; H.Dip.Ed., 8.

CANADIAN UNIVERSITIES

In *Nova Scotia* : ACADIA, DALHOUSIE, KING'S COLLEGE, ST. FRANCIS XAVIER. In *New Brunswick* : NEW BRUNSWICK, MOUNT ALLISON. In *Quebec* : BISHOP'S COLLEGE, LAVAL, MCGILL, MONTREAL. In *Ontario* : MCMASTER, OTTAWA, QUEEN'S, TORONTO, TRINITY COLLEGE, VICTORIA, WESTERN ONTARIO. *Western Provincial Univs.* : MANITOBA, SASKATCHEWAN, ALBERTA, BRITISH COLUMBIA.

GENERAL DESCRIPTION

[Contributed by A. Stanley Mackenzie, Ph.D., D.C.L., President of Dalhousie Univ., President for 1920 of the Conference of Canadian Univs. An account by President Walter C. Murray of the Univ. of Saskatchewan, of " University Development in Canada," is to be found in the Transactions of the Royal Society of Canada, Third Series, 1922, vol. xvi.]

IT is probably not true to say that Canada has evolved a distinctive type of Univ. ; and yet Canadian higher institutions of learning differ in many ways from the corresponding institutions in the British Isles and in the United States. One might divide Canadian Univs. into groups, determined by the prototype after which each was consciously or unconsciously modelled. In the first group are those which followed closely the Oxford tradition — King's, New Brunswick, Bishop's, Toronto, and some of its federated colleges (University, Trinity, Wycliffe). The Univs. in the second group are those which modelled themselves on Edinburgh, viz. Dalhousie, McGill, Queen's. Laval in Quebec, Laval in Montreal (which has lately changed its name to that of the Univ. of Montreal), and Ottawa have followed closely the forms and tradition of France. The four western provincial Univs. of Manitoba, Saskatchewan, Alberta, and British Columbia, and especially the three last, bear a close resemblance to the State Univs. of the United States. The Univs. which have not been named are perhaps more free from direct imitation of older types.

As the years have gone by, all these institutions, while maintaining individuality and evidences of their original form, have tended to uniformity in many important regards. Thus, they all require four years for the Bachelor (Pass) degree in Arts or in Science. Again, they have a common standard of preliminary education for admission to the course leading to these degrees. This standard is that attained by a satisfactory completion of three years of a High School course superimposed on eight years in the common schools. This standard is called Junior matriculation. If a pupil has successfully completed the fourth year of the High School course in the proper subjects, or passes the equivalent Senior matriculation examination, he can enter the second year and complete the course for the degree in three years. This practically amounts to saying that High Schools or Collegiate Institutes which have a fourth year course give in that year about the same work

as is done in the first year of the Univ. course for the Pass degree. In Ontario the High School Course leading to Junior Matriculation standard covers four years instead of three.

JUNIOR MATRICULATION. Students can satisfy the Entrance requirements of the Univs. either by examination or on certificate from a standard High School or accredited Preparatory School or Collegiate Institute or School, provided such certificate shows a Pass in the Required Subjects of matriculation. These required subjects differ somewhat from one Univ. to another. Practically all Univs. require for candidates for the B.A. degree the following six subjects: (1) English, (2) History, (3) Algebra (through quadratics), (4) Geometry (at least four books), (5) Latin, (6) a second foreign language. There is in nearly every Univ. a seventh subject; it is usually a science (in some cases specified, in others elective), but in many cases a third foreign language is accepted instead.

Where a course in Pure Science is given leading to the degree of B.Sc. the requirements are as above, except that the two foreign languages are French and German.

There is much more variation in the requirements for entrance to the courses in Applied Science, or Engineering; but the best schools of Applied Science require in addition to the requirements (1) to (4) of Arts, Advanced Algebra, Advanced Geometry, Trigonometry, Physics, Chemistry, and at least one foreign language.

The curriculum for students of Medicine has been undergoing a change in all the Canadian Schools. At least a year has been added to the length of the course at each Univ. In general the course of study requires 6 years. In Toronto Univ. these must be taken in the Medical School. In some of the other Univs. the 1st year may be taken in any recognized Arts College; in others the first 2 years (which are largely pure science) may be so taken. The grade of scholarship required as preliminary to this 6-year course at all the Schools is that of Senior Matricn., except at Queen's, where it is Junior Matricn., and at Montreal Univ., where it is the B.-ès-A. Manitoba requires 2 years of pre-medical Arts and Science preparatory to a five-year course in Medicine.

There has been a similar advancement going on in the standard of preliminary education required of students seeking admission to the study of Law. At all the Schools the Law course proper extends over 3 years. Dalhousie, McGill, and Manitoba require 2 years of Arts before admission to this course; the other Law Schools require, in general, the equivalent of one year of Arts.

A year has been added to the standard of preliminary education required of students entering upon the study of Dentistry. It is now the equivalent of the first year of an Arts course. McGill has increased it to 2 years, and this standard may soon become general. The Univ. of Toronto requires only Pass Matriculation for admission to Dentistry, but prescribes a five-year course for the degree.

ARTS COURSE. Speaking very generally, one can say that about one-half of the course for the degree of B.A. is prescribed and the other

half elective; but these elective subjects are commonly to be distributed among certain broad groups of allied subjects in a specified way, varying with the individual Univs. The prescribed work includes English, History, two foreign languages, one of which is usually Latin (British Columbia and Manitoba require only one), Philosophy, Mathematics, and Science. In the case of the B.Sc. degree in Pure Science the two foreign languages required are French and German.

A feature of Canadian Univs. which distinguishes them from the typical Univs. of the United States is the provision made for the ambitious student and the student who wishes to specialize during his course for the B.A. degree. This is accomplished by the provision of the system of Honour courses. In this system a student who shows the necessary aptitude is permitted to take special classes, which in some instances are in extension of the regular classes, and in other cases are restricted to Honour students. In some Univs. the Honour classes are confined to the third and fourth years of the course; in others, as in the case of Toronto, they are given in all four years, and there is also a special Honour matriculation. In general, also, the number of prescribed classes is reduced, so that the student not only goes more deeply into each subject, but specializes to a greater extent than the Pass man is allowed to do. On the completion of an Honour course the student receives a degree with Honours. No small measure of the academic success of Canadian students in post-graduation work in home and foreign Univs. is to be attributed to this system.

By a proper combination of studies a student can complete a combined course for the degree in Arts or Science and that in a professional faculty in a year (in some cases, two years) less than the sum of the years required for each.

Length of Session. The Canadian Univs. open about October 1, and close in May or early in June. The average length of the session is 32½ weeks for all faculties, except those of Medicine and Dentistry, which are 4 weeks longer. Of the 32½ weeks, 26 are given up to actual lecturing, and the remainder to vacations, examinations, and closing exercises.

Consolidation of the Colleges in the Maritime Provinces. During the last few years a great deal of attention and consideration has been given to this question, which in one form or another is a century-old problem (see article by Murray referred to above). It has come prominently to the fore now because of the impossibility of so many small institutions (mostly sectarian) in a region containing only a million people being able to keep pace with the financial demands of modern education. The Carnegie Foundation for the Advancement of Teaching was invited to send experts to make a survey of the situation. They did so, and made a report, in which they advised that all these institutions should move to Halifax, and join with Dalhousie, already there, in forming a strong central University. Each constituent was to maintain its name, identity, individuality, organization, and funds, but give up its examining and degree-granting powers (except in Divinity) to the Univ. The Colleges should not teach the scientific

subjects nor those subjects for which there would be a small demand, which should be given by the Univ. In general, the Colleges should restrict themselves to the Humanities. The Univ. would conduct all professional schools. The Colleges were to be residential. It will be seen that the scheme was something between that of Oxford and that of Toronto. It was a fair inference to be drawn from the report that, if the various institutions in question would get together, and the governments concerned make a grant-in-aid to the central Univ., the Carnegie Corporation of New York would give the scheme very generous aid. Representatives of the educational institutions and interests held many conferences and agreed upon a scheme of consolidation, and the Carnegie Corporation promised a gift of $3,000,000. At this stage the scheme was halted, for the time being at least, by the refusal in succession of the Univ. of New Brunswick (non-sectarian), St. Francis Xavier's College (Roman Catholic), and Acadia College (Baptist) to enter it. In the meantime, King's College (Anglican) has moved from Windsor to Halifax, and entered into a close association with Dalhousie Univ. (non-sectarian). The students of both institutions are taught as one body by the combined staffs, except in certain freshman classes (and in Divinity). King's holds in abeyance her degree-granting powers (except in Divinity), and the Univ. conducts all examns. and grants degrees. On the understanding that King's would raise the sum of $400,000 for the erection of the necessary residential buildings, the Carnegie Trustees undertook to provide $600,000 to be used as an endowment for the payment of an instructional staff for the combined students. Mount Allison College (Methodist) will not come to a decision until the recently united Methodist, Presbyterian, and Congregational bodies in Canada have had time to give the matter the fullest consideration. The Roman Catholic dioceses outside of that of Antigonish, in which is St. Francis Xavier's College, have the matter under consideration. There is no degree-granting educational institution in the adjoining colony of Newfoundland, but the various interests there are very favourable toward the general scheme of a confederation of the educational forces of Eastern Canada. They have recently organized a Junior College at St. John's for the first two years of the work for the Arts degree. The Carnegie Corporation has promised a grant-in-aid for a period of five years.

The TENTH NATIONAL CONFERENCE OF CANADIAN UNIVERSITIES was held at Dalhousie University, Halifax, June 2-4, 1925. The subjects discussed were: The Arts Course, its purpose and essential elements, The relation of Oriental Students to the Canadian Universities, The Junior College in Canada and in the United States, Admission to the Universities, Student Wastage in Universities, Failures in the First Year, A Freshman Advisory Committee, The Teaching of Modern Languages in Canada, Opportunities in Canada for University Graduates —particularly those engaged in Scientific Work, The Management of University Residences, Publication of the Results of Research. The Executive Committee was authorized to appoint a delegate to the National Association of State Universities. It was agreed that in view

of the holding of the Congress of Universities of the Empire at Cambridge in 1926 the Conference should not meet again until 1927.

President for 1927—Principal Sir A. W. Currie. Secretary-Treasurer —Dean G. H. Ling.

Degrees in Divinity for Students belonging to the Anglican Church in Canada

The Church Universities and Theological Colleges in Canada having entered into an agreement to adopt a uniform standard for degrees in Divinity, all such degrees are now only conferred in accordance with Canon X of the General Synod of Canada, and only on examn. by a Joint Board, including the Archbishop of Rupert's Land (Chairman), and representatives of the Univs. of King's, Bishop's, and Trinity Colleges, Montreal Diocesan, Wycliffe (Toronto), Huron (London, Ont.), St. John's (Winnipeg), Emmanuel (Saskatoon), St. Chad's (Regina), Anglican Theol. Coll. of B.C.

Nova Scotia Technical College, Halifax

This institution represents the principal effort of the province in University training. It is supported entirely from provincial revenues. Through a co-operative agreement, a uniform matriculation and a uniform engineering course covering the general work of the freshman and sophomore years is carried out entirely in the Univs. of Acadia, Dalhousie, King's, Mount Allison, St. Francis Xavier, and St. Mary's College. On successful completion of this course, the student proceeds to the Technical College without examn. for the professional work of the last 2 of the 4 yrs.' course. Here the studies are differentiated and the student elects either Civ., Elec., Mech., or Mining Engineering. The degree given is that of B.Sc. The Technical Coll. confines its attention entirely to the work of the junr. and senr. yrs. It is equipped principally for teaching the engineering courses and commercial testing of industrial materials and natural resources, and incidentally for scientific research. Tuition fees: $75 p.a. Twenty county scholarships of $75 p.a. are available for Nova Scotians. The buildings and equipment represent a provincial investment of about $500,000. [*Contributed by the Department of Technical Educn., N.S.*]

Marine Biological Stations

Under the control of the Minister of Marine and Fisheries through the Biological Board of Canada, two Atlantic Stations at St. Andrews, N.B., and Halifax, N.S., and two Pacific Stations at Nanaimo and Prince Rupert, B.C., are open to duly qualified and recommended university graduates from June to Sept. The Halifax Station, established in 1925 for educational and experimental work in connexion with fisheries, co-operates with Dalhousie Univ. and the Technical College. The more fundamental research is carried on at St. Andrews and at Nanaimo. Publications: Annual Prospectus and series of Reports, Bulletins, studies and popular leaflets. Directors: Prof. A. G. Huntsman of Toronto (Atlantic) and Dr. W. A. Clemens (Pacific).

The Carnegie Foundation for the Advancement of Teaching

The object of the Foundation, which was established in 1906 with resources which now amount to 30 million dollars, is to provide retiring allowances and pensions, and, "in general, to do and perform all things necessary to encourage,

uphold, and dignify the profession of the teacher and the cause of higher education." It operates both in the U.S.A. and in Canada. The following classes of persons are eligible for retiring allowances: (1) A person in an institution on the associated list who (*a*) is 65 years of age and has served not less than 15 years as professor, or not less than 25 years as instructor or as prof. and instr., or (*b*) has served 25 years as prof. or 30 years as instr. or as prof. and instr., and who is shown by medical examn. to be entirely unfitted by disability for continuing the work of teacher; (2) a widow who has for 10 years been the wife of any teacher of class (*a*) or (*b*). The direction of the Foundation is entrusted to a board of 25 trustees, mostly university and college presidents. The offices of the Foundation are at 522 Fifth Avenue, New York City.

The list of associated institutions includes BRITISH COLUMBIA, DALHOUSIE, McGILL, QUEEN'S, and TORONTO. Up to June 1926, 1326 allowances had been granted, including 72 in Canada and 5 in Newfoundland.

In addition to its work in connexion with the payment of pensions the Board of Trustees has undertaken the issue of various publications and their free distribution. Among these is a bulletin on Higher Education in the *Maritime Provinces of Canada.*

NATIONAL COUNCIL OF EDUCATION

THE NATIONAL COUNCIL OF EDUCATION, Canada, was organized at a Conference on Education in relation to Citizenship held in Winnipeg in 1919. With the co-operation of Universities and Departments of Education the Council is developing a Bureau of Education, and has organized a system of National Lectureships whereby eminent lecturers are brought from Great Britain to Canada. The Bureau facilitates exchange of information between the provincial departments of Education, the diffusion in Canada of ideas and information from outside the Dominion and *vice versa.* Triennial Conferences on Education are held, the next of which will be in Victoria in 1928. The Executive Secretary's address is Boyd Building, Winnipeg.

CANADIAN STUDENTS IN THE UNIVERSITIES OF THE UNITED KINGDOM, v. Appendix XXII.

SCIENTIFIC AND INDUSTRIAL RESEARCH, v. Appendix XXIV.

STATISTICAL TABLES relating to Canadian Universities and Colleges are published by the Dominion Bureau of Statistics, Ottawa, in its Annual Survey of Education in Canada, price 50 c.

ACADIA UNIVERSITY, WOLFVILLE, NOVA SCOTIA

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Hancock, T. A., M.A., Ph.D. Clark Instr.

Engineering [I. Curry Prof.
Wheelock, F. E., M.A., Ph.D. Yale
Sutherland, A., B.Sc. Prof.

English Lang. and Lit.
Rhodenizer, V. B., M.A., Ph.D. Harv. Prof.
Fansler, D. S., Ph.D. Prof.
Strout, A. L., M.A. Yale Asst. Prof.
McPeek, J. A., M.A. Harv. Instr.
Logan, J. D., Ph.D. Harv. Spl. Lectr. in Canadian Lit.

Geology
Bancroft, M. F., M.A. Yale Prof.

German
Ross, Roy, M.A. Yale Prof.

History
Rogers, N. M'L., B.A., B.Litt., B.C.L. (Ox.) M. Curry Prof.
Sharman, Florence M., M.A. Instr. (H. and Economics).
Milner, W., LL.D. Spl. Lectr. in Canadian Hist.

Household Economics
McNally, Frances, B.S., M.A. Head of School of H.E.

Library Science [Instr.
Ingraham, Mary Kinley, M.A.

Mathematics [White Prof.
Jeffery, R. L., M.A. Cornell
Saunders, M., B.A., B.Sc. Asst. Prof.

New Test. Lang. and Lit. [Prof.
De Wolfe, H. T., B.A., D.D., LL.D.

Old Test. Lang. and Lit.
Hutchins, W. N., M.A., Ph.D. Chic. G. P. Payzant Prof.

Osteology and Physiology
De Witt, C. E. A., B.A., M.D. McGill Instr.

Physical Training [Director.
Osborne, W. T., M.A. Corn.
Cook, Sarah Instr.

Physics [Alumni Prof.
Haley, F. R., M.A. Harv.
Wheelock, F. E., B.A., Ph.D. Yale I. Curry Prof.
Beale, C. S., M.A., D.I.C., Ph.D. Instr.

Romance Languages
Howald, E., M.A. Prof.

Lewis, E. O., B.Sc. Instr.

Theology and Philosophy
Spidle, S., B.D., Ph.D. Clark Prof.
MacDonald, J. H., C.B.E., D.D. Prof. of Church Hist. and Bible Lit.

GENERAL INFORMATION (v. also p. 340).

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. In 1896 an endowment of $100,000 for the Theol. Dept. was received under the will of G. P. Payzant. The Board of Governors is appointed by the Baptist Convention of the Maritime Provinces, but the students are subject to no religious tests.

LIBRARY: 50,000 vols. MUSEUMS: Biol., Ethnol., Geol., Hist. LABORATORIES: Biol., Chem., Geol., Physics, Engineering. OBSERVATORY: Meteor. and Astron.

DEPARTMENTS. Arts and Sciences, Theology, Applied Science, Household Economics, Music.

DEGREE COURSES. 4 yrs.—B.A., B.A. (Theol.), B.Sc., B.Sc. (Hd.Ec.); 3 yrs.—B.Mus.; 1 yr. (graduate study)—M.A., B.D. The B.Sc. Engineering courses enable graduates to enter the 3rd year classes of McGill Univ. and N.S. Tech. Coll. Some of the B.A. and B.Sc. courses enable graduates to enter the 2nd yr. of the Dalhousie Law School, Halifax, and the Med. Dept. of McGill Univ., respectively (v. pp. 344, 379).

FEES for tuition: in Arts and Sc. or Theol., $306; in Appl. Sc. (2 yrs.), $220. Lab. fees extra, about $30.

RESIDENCE. College hostels provide accommodation for 70 men and 65 women.

AFFILIATION, v. p. 379.

PUBLICATIONS. *Bulletin*, 25 cents p.a.; *Calendar*, number issued in July.

THE YEAR 1925–26.

BENEFACTIONS. A total of $294,052, for new buildings and endowment.

NEW BUILDINGS. Dining Hall to accommodate 600 students, cost $125,000; new unit to College Woman's Residence, $45,000.

HONORARY DEGREES. *M.A.*—Harriet H. R. Clark, Mabel H. Parsons. *D.D.*—E. L. Dakin, E. S. Mason, S. Spidle. *D.L.*—W. I. Morse, O. C. S. Wallace. *LL.D.*—J. C. Tory.

RESIGNATIONS. A. P. Tuller, succeeded by E. Howald from Chicago; R. H. Wetmore, to accept chair at Harvard, succeeded by M. V. Roscoe of Radcliffe College, and H. Chute, of Provincial Normal College, Truro, Nova Scotia.

STUDENTS. Full-time: total, 431 (including 191 women); graduates 7 (w. 3); preparing for first degree, 362 (w. 126); other full-time, 62 (w.). Resident in hostels, 155 (w. 85). Part-time, 62 (w.). Pre-matriculation students included in above, 86 (w. 41). Extra-mural (correspondence) students, 9 (w. 5). DEGREES OBTAINED: B.A., 51; B.Sc., 12; M.A., 7; D.Litt., 2; LL.D., 1; D.D., 3.

UNIVERSITY OF ALBERTA, EDMONTON

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Newton, R., B.S.A. McG., M.Sc., Ph.D. Minn. Prof.
Fryer, J. R., M.A. Tor. Assoc. Prof.
Buckley, G. F. H., M.S. Calif., B.S.A. Asst. Prof.

Agriculture, History of
Howes, E. A., B.S.A. Tor. Dean of Fac. of Agric.

Agriculture : Horticulture
Harcourt, C., B.S.A. Tor. Lectr.

Agriculture : Soils
Wyatt, F. A., B.S.A. Utah, M.S., Ph.D. Ill. Prof.
Newton, J. D., B.S.A. McG., Ph.D. Calif. Assoc. Prof.

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Bowstead, J. E., M.S. Wisc. Asst. Prof.
Sinclair, R. D., B.S.A. Asst. Prof.

Anatomy. [Prof.
Revell, D. G., B.A., M.B. Tor.
Shaner, R. F., Ph.D. Harv. Assoc. Prof.
Greene, E., M.D., C.M. McG., F.R.C.S. Edin., F.A.C.S. Asst. Prof.
Hepburn, H. H., M.D., C.M. McG., F.R.C.S. Edin., F.A.C.S. Demr.

Architecture
Burgess, C. S., A.R.I.B.A. Prof.

Bacteriology, v. Med.

Bio-Chemistry
Collip, J. B., M.A., Ph.D. Tor., D.Sc., M.D. Prof.
Scott, J. W., M.D., C.M. McG. Lectr.

Botany [Prof.
Lewis, F. J., D.Sc. Liv., F.L.S.
Moss, E. H., M.A., Ph.D. Tor. Asst. Prof.
Dowding, E. S., M.Sc. Instr.

Chemistry
Lehmann, A. L. F., B.S.A. Tor., Ph.D. Leip. Prof.
Walker, O. J., B.A. Sask., M.A. Harv., Ph.D. McG. Assoc. Prof.
Sandin, R., Ph.D. Chic., M.Sc. Asst. Prof.
Boomer, E. H., B.A. (B.C.), M.A., Ph.D. McG. Lectr.
Kutz, W., B.Sc. Instr.

Classics
Alexander, W. H., M.A. Tor., Ph.D. Calif. Prof.
Misener, Geneva, M.A. Qu., Ph.D. Chic. Prof.
Hardy, W. G., M.A. Tor., Ph.D. Chic. Assoc. Prof.
Gold, Margaret, M.A. Instr.

Dairying
Marker, C. P., LL.D. Prof.

Dentistry [Asst. Prof.
Bulyea, H. E., D.M.D. Harv.
Craig, W. P., M.A. Wash. and Jeff., D.D.S. (Northwestern) Lectr.
Gilchrist, H. A., D.D.S. Northwn. Lectr.
McPherson, James, L.D.S., D.D.S. Tor. Lectr.
Hamilton, W. S., L.D.S., D.D.S. Tor. Instr.
Hope, J. H., L.D.S., D.D.S. Tor. Instr.
Roberts, J. G., L.D.S., D.D.S. Tor. Instr.
Mercer, F. S., L.D.S., D.D.S. Tor. Instr.
MacGrostie, H., L.D.S., D.D.S. Tor. Instr.
Mason, A. B., D.D.S. Penn. Instr.
Bradley, R.W., D.D.S. McG. Demr.
Janes, L. V., D.D.S. Chic. Demr.

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Adam, J., M.A. Assoc. Prof.

Economics, v. Pol. Econ.

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Wilson, R. S. L., B.Sc. McG. Prof.
Robb, C. A., B.Sc. McG., M.S. Mass. Inst. Tech. Prof.
Morrison, I. F., B.S. (M.I.T.) Prof.
Webb, H. R., M.Sc. Lectr.

Engineering, Electrical
MacLeod, H. J., B.Sc. McG., Ph.D. Harv., M.Sc. Prof.
Morgan, S. C., B.Sc. Qu., M.Sc. Asst. Prof.

English
Broadus, E. K., M.A. Chic., Ph.D. Harv. Prof.
Gordon, R. K., B.A. Ox., M.A., Ph.D. Tor. Prof.
Riddehaugh, G., B.A. (B.C.) Instr.
Jewitt, A. R., B.A. Dal. Instr.

Entomology [Prof.
Strickland, E. H., M.Sc. Harv.

French and Ger., v. Mod. Langs.

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Warren, P. S., B.A., Ph.D. Tor., A.R.C.S. Lond. Assoc. Prof.
Rutherford, R. L., M.Sc., Ph.D. Wisc. Asst. Prof.

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Burt, A. L., B.A. Tor., M.A. Ox.
Long, M. H., B.A. McM., M.A. Ox. Assoc. Prof.

Household Economics
Patrick, Mabel, B.A. Tor., M.A. Col. Director, Lectr.
Deadman, Edith, B.A. Tor., M.B. Lectr.
McIntyre, E. H., B.Sc. Instr.

Law
Weir, J. A., B.A. Ox., LL.B. Sask. Prof. (Dean of Faculty).
Ford, F., D.C.L. Tor., K.C. Prof.
Parlee, H. H., B.A. Mt.A., B.C.L. Dal., K.C. Hon. Prof.
Nielson, S., B.A., LL.B. Lectr.
8 Sessional Lectrs.

Mathematics
Sheldon, E. W., M.A. McG., Ph.D. Yale Prof.
Campbell, J. W., M.A. Qu., Ph.D. Chic. Prof.
Cook, A. J., B.Sc., M.A. Harv. Lectr.
Dodd, Florence E., B.Sc. Dal. Instr.

Medicine, v. *infra*

Mining Engineering
Pitcher, N. C., B.Sc. McG. Prof.
Cameron, A. E., M.Sc. McG., D.Sc. (M.I.T.) Assoc. Prof.

Modern Languages

Kerr, W. A. R., M.A. Tor., Ph.D. Harv., Off. de l'Inst. Pub. (France) Prof. and Dean of Fac. (Arts and Sc.).

Coar, J. F., M.A., Ph.D. Harv. Prof. (German).

Sonet, E., B. ès L. Lyons, M.A., D. ès L. (Rennes) Prof. (French).

Owen, F., M.A. Tor., Ph.D. Chic. Assoc. Prof. (Ger.).

Pelluet, A. P. Asst. Prof. (French).

de Savoye, H., B.ès L. Paris, LL.B. Off. d'Acad. Lectr. (French).

Philosophy

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Macdonald, J., M.A., D.Litt. Edin. Assoc. Prof.

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Boyle, R. W., M.Sc., M.A., Ph.D. McG. Prof. and Dean of Fac. (App. Sc.).

Smith, S., M.A., B.Sc. Ox. Assoc. Prof.

Lang, R. J., B.A. McM., M.A., Ph.D. Tor. Assoc. Prof.

Nichols, L. H., B.A. McG., M.A. Lectr.

Taylor, G. B., M.Sc. Instr.

Physiology and Pharmacology

Downs, A. W., M.A. Phila., M.D. Penns., D.Sc. McG. Prof.

Eddy, N. B., M.D. Corn. Asst. Prof.

Quigley, J. P., B.Sc. Syrac., M.Sc. Minn. Lectr.

Political Economy

MacGibbon, D. A., M.A. McM., Ph.D. Chic. Prof.

McGoun, A. F., B.A., B.C.L. McG., M.A. Harv. Assoc. Prof.

Day, J. F., B.A. Tor., M.A. Chic. Lectr.

Veterinary Science

Talbot, P. R., V.S. Tor., M.D.V. Chic. Specl. Lectr.

Zoology [Assoc. Prof.

Rowan, W., M.Sc. Lond., F.Z.S.

Hughes, Winifred, M.A. Sask. Instr.

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

Bacteriology and Hygiene

Rankin, A. C., C.M.G., M.D., C.M., D.P.H. McG., M.R.C.S. Prof. and Dean of Fac.

Shaw, R. M., B.A. Dal., M.D., C.M., D.P.H. McG. Asst. Prof.

Harris, L. C.., M.D., C.M. McG. Demr.

Dermatology [Lectr.

Orr, H., O.B.E., M.B., D.P.H. Tor.

Gynæcology and Obstetrics

Conn, L. C., M.D., C.M. Mc.G., F.A.C.S. Prof.

Harrison, J. D., M.D., C.M. McG., F.A.C.S. Assoc. Prof.

Baker, J. O., M.D., C.M. Qu. Asst. Prof.

Holmes, G. U., M.B. Tor. Instr.

Medicine and Clinical Medicine

Pope, E. L., B.A. Qu., M.D., C.M. McG., M.R.C.S., M.R.C.P. Prof.

Jamieson, H. C., M.B. Tor. Assoc. Prof.

Bell, I. R., B.A., M.B. Tor. Asst. Prof. (Therap.).

Hurlburt, C. W., M.B. Tor. Lectr.

Scott, W. H., M.D., C.M. McG. Lectr.

3 Instrs.

Ophthalmology [Lectr.

Wells, R. B., M.B. Tor., F.A.C.S.

Jamieson, C. V., M.B. Tor. Lectr.

Pathology

Ower, J. J., B.A., M.D., C.M. McG., Prof., and Provincial Serologist.

Vango, H. M., M.D., C.M. McG. Asst. Prof.

2 Demrs.

Pediatrics [Lectr.

Leitch, D. B., B.A., M.B. Tor.

Pharmacology, v. Physiol.

Pharmacy and Mat. Med.

Dunn, F. A. S., Ph.C. Tor., M.P.S. Gr. Bn. Prof.

Matthews, A. W., B.Sc. Phm. Lectr.

Psychiatry [Lectr.

Cook, E. H., M.B., D.S. Durh.

Public Health [Assoc. Prof.

Laidlaw, W. C., M.B. Tor.

Surgery and Clinical Surgery

Mewburn, F. H., M.D., C.M., LL.D. McG. Prof.

Gray, G. C., M.B. Tor., F.A.C.S. Asst. Prof.

Munroe, A. R., M.D., C.M. McG., F.A.C.S. Asst. Prof.

Wilson, W. A., M.D., C.M. McG., F.A.C.S. Asst. Prof.

Blais, A., M.D. Lav. Asst. Prof.

Hepburn, H. H., M.D., C.M. McG., F.R.C.S. Edin., F.A.C.S. Asst. Prof.

Mewburn, F. H. H., B.Sc., M.D. C.M. McG. Lectr. (*Orthop.*).

Smith, E. C., M.D., C.M. McG. Lectr.

5 Instrs.

Industrial Laboratories

Kelso, J. A., M.Sc. Qu. Director.

Tomilson, H. O., B.Sc. Asst.

Industrial Research Profs.

Stansfield, E., M.Sc. Manc. (Fuels.).

Clark, K. A., M.A. McM., Ph.D. Ill. (Road Materials.)

Physical Education

McLeod, H. J. Acting Director.

Bakewell, E., B.A. Asst. Dir.

Correspondence Courses

MacKenzie, D. S. Director.

Department of Extension

Ottewell, A. E., M.A. Aita Director.

Corbett, E. A., M.A. McG. Secy.

Montgomery, Jessie, B.A. Libn.

McAllister, J. W., B.S.A., M.Sc. Lectr.

AFFILIATED INSTITUTIONS

The United Theological College, Edmonton, incorporating the former Alberta (Methodist) and Robertson (Presbyterian) Colleges, is situated on the University Campus. Principal—A. S. Tuttle, M.A., D.D., Mt. All., Prof. of Philos. of Religion. Other Profs.: A. D. Miller, M.A. Tor., B.D. Vict., Hebrew, etc.; Clyo Jackson, M.A. Tor., B.D. Vict., Ph.D. Chic., New Testament.

St. Aidan's College and Hostel (C. of E.), Edmonton—affiliated 1919. Warden—Rt. Rev. H. A. Gray, D.D., LL.D., Bishop of Edmonton.

St. Joseph's Catholic College (Arts), Edmonton. Rector—Rev. Brother Rogation.

The Provincial Institute of Technology and Art, Calgary, is under the authority of the Department of Education. Affiliated May 13, 1926. Principal—W. G. Carpenter.

GENERAL INFORMATION (v. also p. 340)

Telegraphic address—Vera (A.B.C. Code).

The University, created by act of the Provincial Legislature, 1906, originally consisted of a Chancellor, Vice-Chancellor, Senate, and Convocation. By

amendment the office of President was created 1907, and a Board of Governors 1910, the latter being given financial and administrative control, while the Senate was restricted to educational supervision. Student residences, Athabasca, Assiniboia, and Pembina Halls, were opened in 1911, 1912, and 1914 respectively, while the main teaching and administrative building was completed in 1915. Classes began September 1908. In 1912 extension work, conducted from the beginning, was departmentalized under a Secretary. In the same year a Faculty of Law was created. Subsequent expansion involved the establishment of Faculties of Applied Science and of Medicine, 1913; Faculty of Agriculture, 1915; courses in Pharmacy and in Dentistry, 1914 and 1917 respectively; in Household Economics, 1918; in Commerce and in Public Health Nursing, 1921. In 1919–20 the extraordinary increase in the number of medical students necessitated the construction of a new Medical Building. In the same session the creation of the office of Director of the School of Pharmacy completed the evolution of the School from a Department under the Faculty of Medicine to an independent unit. The Provincial Legislature has established a close relationship between the Univ. and the Professions, and the Senate now has jurisdiction over the educational standards of Architects, Chartered Accountants, Dentists, Engineers, Land Surveyors, Lawyers, Pharmacists, Physicians and Surgeons, Registered Nurses, Optometrists, and Veterinary Surgeons.

The University grounds, 637 acres, beautifully situated on the wooded south bank of the Saskatchewan, include provision for the accommodation of affiliated colleges and afford ample room for expansion. Edmonton is a city of about 65,000 inhabitants, the capital of the Province of Alberta (area 250,000 sq. m.; pop. 600,000).

LIBRARY, 30,000 vols. LABORATORIES for all scientific courses; museum; herbarium; farm; agricultural experimental plots.

FACULTIES. Arts and Sciences (including Household Economics, Pharmacy and Commerce); Applied Science (Civil, Mining, and Electrical Engineering and Architecture); Medicine (including Dentistry and Nursing); Law; Agriculture.

MATRICULATION examns. are conducted in April, June, and Sept., under control of High School and Univ. Matricn. Examns. Board of the Province. Equivalent examns. by recognized authorities in the British Dominions are accepted *pro tanto* for admission.

DEGREE COURSES. 4 yrs.—B.A., B.Sc. in Arts, B.Com., B.Sc. in Household Ec., in Engin. (Civ., Elec., or Mining), in Archit., or in Pharmacy, LL.B., D.D.S.; 3 yrs. (after qualifying in a Provincial Sch. of Agr.)—B.H.Ec. (in Household Econ.), B.Sc. in Agric.; 6 yrs.—M.D.; 5 yrs.—B.Sc. in Nursing. Combined B.A. and B.Sc. in Arts—6 yrs.; B.A. and B.Sc. in Applied Sc.—6 yrs.; B.A. and M.D.—8 yrs.; B.A. and LL.B.—6 yrs. (v. also pp. 110, 292, 379). The Agric. course is preceded by preliminary training at one of the Provincial Agric. Schools.

A Bachelor may obtain the M.A. or M.Sc. by 1 yr. of advanced study or investigation or the B.Ed. by 2 yrs. of advanced study. The D.Sc. is conferred for distinction in original research in the field of science. The B.D. is open to B.A. students of affiliated Colls. on completion of approved courses. The LL.D. is honorary.

OTHER COURSES: For Licence in Pharmacy; Correspondence Courses for Teachers (Senr. Matricn. subjects); Summer Session in co-operation with the Summer School for Teachers conducted by the Provincial Dept. of Educn.;

3 mos.' course in P.H. Nursing for Registered nurses ; Provincial Dairy School short courses ; 3 yrs.' course for qualification of Regd. Nurse.

A system of EXCHANGE LECTURES is carried on in co-operation with Manit. and Sask.

FEES, tuition per session: Arts (including 4 yrs.' degree courses in Pharm., Com. and Household Econ.), $60 to $70; Appl. Sc., $60 to $110; Law, $60 to $85; Med., $120 to $180; Dent., $120 to $210; Agric. (including 3 yrs.' course Household Econ.), $50 to $60. Students' Union, $7 ; Med. Service, $5.

RESIDENCE, ETC. 4 Halls of residence (including 1 belonging to an affiliated Coll.), with accommodation for 525. Fees for room and board for the session, $259 ; board only, $25 per month. Social life is under supervision of Provost, a Univ. officer. All undergraduates are members of Students' Union.

UNIVERSITY EXTENSION work includes lectures at local centres, publication of material for debating and public discussion, travelling and packet libraries, and lantern slide and cinema services.

PUBLICATIONS. *Calendar* (June) ; *Press Bulletin*, weekly, by Dept. of Extension ; *The Trail*, quarterly, by Alumni Assocn. ; *The Gateway*, weekly, *The Evergreen and Gold*, annually, by students.

THE YEAR 1925–26

BENEFACTIONS. Bursary of 10,000 f., gift of the French Government for study in France. A memorial organ (funds for which were raised by the Alumni Assocn. of the Univ.), built by the Casavant Frères of Ste. Hyacinthe, was dedicated Nov. 11, 1925.

DEGREES CONFERRED. B.A., men 35, women 20 ; B.Com., m. 8, w. 6 ; B.Sc. in Arts, m. 12, w. 6 ; in H.Ec., w. 6 ; in Pharm., m. 1, w. 1 ; in Eng., m. 8 ; in Agr., m. 19 ; LL.B., m. 20, w. 1 ; M.D., m. 14, w. 3 ; M.A., m. 11, w. 5 ; M.Sc., m. 7 ; B.Ed., m. 1 ; Ad eundem degrees, 13 ; licences to practise Accountancy, 1 ; Nursing, 105.

EXTENSION WORK. Lantern slides sent out, 1710; films, 542 sets; lectures, 488 ; travelling libraries, 220 ; University Week for Farm Young People.

ST. JOSEPH'S COLLEGE was chartered by the Legislative Assembly of Alberta at the session of 1926 and affiliated to the Univ. in May. It is an Arts College working under the authority of the Univ. Senate and in harmony with the standards and regulations maintained by the Faculty of Arts and Sciences. It was granted a site on the University Campus, on which a combined residential and teaching building is now in course of erection. The estimated cost is $200,000, half of which was raised by public subscription and half by a grant from the Carnegie Corporation.

A new HONOURS scheme in the Faculty of Arts and Sciences was adopted, raising by one year the standard of entrance to honours courses, which will now cover 4 years from Senior Matriculation.

DEGREES FOR PROVINCIAL TEACHERS ATTENDING SUMMER SESSION. It was ordained that teachers holding a first-class certificate and having had at least 3 years of professional service who attend a course at the Summer Session may under certain conditions secure credit for the course by passing the ordinary annual Univ. examns. in the following spring.

Holders of TRAVELLING FELLOWSHIPS, etc.: French Government Bursary,

Lilian Cobb, M.A.; Bryn Mawr Resident Fellowship in Biology, Dixie Pelluet, B.Sc., M.Sc. Tor.

DEATH. Hon. C. A. Stuart, Chancellor of the Univ. from its inception in 1908.

STUDENTS. Full-time: total, 1020 (including 299 women); graduate students, in Arts and Pure Science 35 (women 11), Agric. 12; preparing for a first degree, Arts, etc. 358 (w. 195), Medicine 164 (w. 10), Law 47 (w. 1), Divinity 1, Agric. 139, Appl. Sc. 104, Pharmacy 38 (w. 3), Nursing 59 (w.); other full-time, 37 (w. 20). Resident in hostels or colleges, 334 (w. 90). Students from foreign countries: U.S.A. 175, Russia 11, Ukraine 7, Denmark 5, Germany 5, Roumania 3, other countries 13; from parts of the British Empire outside the province, 179.

Summer-school students, 79 (w. 48); extra-mural graduate students, 25 (w. 7).

UNIVERSITY OF BISHOP'S COLLEGE, LENNOXVILLE, QUEBEC

CHANCELLOR—F. E. MEREDITH, K.C., D.C.L., LL.D.

VICE-CHANCELLOR—Rev. A. H. McGREER, O.B.E., M.A. Ox., D.D., Principal of the College and Dean of Arts.

REGISTRAR—Capt. J. C. STEWART, Bursar and Secy. of the College.

PROFESSORS AND LECTURERS

Boothroyd, E. E., M.A. Camb., Prof. of History.

Burt, H. C., M.A., T.C. Tor., Prof. of Philos. and Econ., Lectr. in Church Hist.

Call, F. O., M.A., D.C.L., Prof. of English and Mod. Langs., and Librarian.

Home, M., M.A. McGill, Asst. Lectr. in Natural Science.

Kuehner, A. L., M.A. Queen's, Lectr. in Natural Science.

Owen, E., B.A. Oxon., Lectr. in Classics.

Read, S., M.A. McGill, Lectr. in French and English.

Richardson, A. V., M.A. Camb., Prof. of Maths.

Vial, F. G., M.A., B.D., D.C.L., Warden of the Divinity House, Mountain Prof. of Past. Theol.

GENERAL INFORMATION (v. also pp. 340, 344)

The College, founded in 1843, was in 1853 by Royal Charter constituted a University with power to confer degrees. It is administered by a Corporation consisting of the Anglican Bishops of the Province and Trustees and Council appointed by them jointly. The Bishops of Montreal and Quebec are President and Vice-President respectively of the Corporation and Visitors of the College.

The College provides ordinary and Honours courses for the B.A. degree, covering 3 yrs., and a 2 yrs.' course for the L.S.T. Divinity is a compulsory subject in each of the years of the ordinary course. Terms kept in other Univs. may be counted up to 2 yrs. Clergymen of the Dioceses of Quebec and Montreal may proceed to the B.A. by examns. without residence if of 6 yrs.' standing, and on a reduced period (1 or 2 yrs.) if of 4 or 2 yrs.' standing.

Examns. are conducted for degrees in Music.

FEES. For tuition, $100 p.a.; board and furnished lodging with heating and lighting, $325 p.a. PUBLICATION: *Calendar* (Oct.).

THE YEAR 1925–26. Number of Students: Divinity, 25; Arts, 106 (including 35 women). Degrees (1926): B.A., 22; M.A., 3; B.D., 1; L.S.T., 5; Hon. D.C.L.—Hon. N. Perodeau, Lieut.-Gov. of Quebec; Prof. F. O. Call, M.A.

THE UNIVERSITY OF BRITISH COLUMBIA, VANCOUVER

VISITOR—THE LIEUT.-GOVERNOR OF THE PROVINCE.

CHANCELLOR—R. E. MCKECHNIE, M.D., C.M., LL.D., F.A.C.S.

PRESIDENT—LEONARD S. KLINCK, B.S.A. Tor., M.S.A., D.Sc. Iowa S.C., LL.D. West Ont.

REGISTRAR—S. W. MATHEWS, M.A. Qu.

LIBRARIAN—J. RIDINGTON.

PROFESSORS, LECTURERS, ETC.

Agriculture, v. *infra*

Bacteriology

Hill, H. W., M.B., M.D., D.P.H. Tor. Prof.
Wilson, Freda L., M.A. Instr.
1 Asst.

Botany

Hutchinson, A. H., M.A. McM., Ph.D. Chic. Prof.
Davidson, J., F.L.S. Asst. Prof.
Dickson, Frank, B.A. Qu. Asst. Prof.
5 Assts.

Chemistry

Archibald, E. H., B.Sc. Dal., A.M., Ph.D. Harv. Prof.
Clark, R. H., M.A. Tor., Ph.D. Leip. Prof. (Organic C.).
Seyer, W. F., B.A., M.Sc. Alb., Ph.D. McG. Assoc. Prof.
Marshall, M. J., M.Sc. McG., Ph.D. Mass. Inst. Tech. Asst. Prof.
Harris, J. Allen, M.A. Asst. Prof.
Allardyce, J., M.A. Instr.
Bramston-Cook, H. E., M.A.Sc. Lectr.
6 Assts.

Classics

Robertson, L. F., M.A. McG. [Prof.
Todd, O. J., Ph.D. Harv. Prof. of Greek.
Logan, H. T., B.A. McG., M.A. Ox. Assoc. Prof.
1 Asst.

Dairying, v. Agric.

Economics, Sociology, & Polit. Sc.

Boggs, T. H., B.A. Ac., M.A., Ph.D. Yale Prof.
Angus, H. F., B.A. McG., B.C.L., M.A. Ox. Assoc. Prof.
Beckett, S. E., M.A. Qu. Asst. Prof.
Robertson, N. A., B.A. Lectr.
1 Asst.

Education, v. also Philosophy

Weir, G. M., B.A. McG., M.A. Sask., D.Pæd. Queen's Prof.
6 Assts.

Engineering, Civil, & Surveying

Duckering, W. E., A.B., B.S. in C.E., C.E. Wash. Prof.
Matheson, E. G., B.A.Sc. McG., M.E.I.C., M.Am.S.C.E. Assoc. Prof.
Grant, J. R., B.Sc. Qu., M.A., S.C.E. Spl. Lectr.
Lighthall, A., B.Sc. McG. Instr.
Stuart, A. G., B.Sc. McG. Instr.
1 Asst.

Engineering, Mech. & Elec.

Vickers, H., M.E. Liverpool, M.Sc., Ph.D. Birm. Prof.

Vernon, F. W., B.Sc. Lond. Assoc. Prof.
Letson, H. F. G., B.Sc., Ph.D. (Eng.) Lond., A.M.I.Mech. E., Asst. Prof.
Archibald, H. P., B.A.Sc. McG. Instr.
Stacey, L. B., B.A.Sc. Asst. Prof.
7 Assts.

English
Sedgewick, G. G., B.A. Dal., Ph.D. Harv. Prof.
MacDonald, W. L., B.A. Tor., M.A. Wisc., Ph.D. Harv. Assoc. Prof.
Wood, F. G. C., B.A. McG., A.M. Harv. Assoc. Prof.
Larsen, Thorleif, M.A. Tor., B.A. Ox. Asst. Prof.
Walker, F. C., B.A. (U.N.B.), A.M., Ph.D. Harv. Asst. Prof.
Bollert, Miss M. L., M.A. Tor., A.M. Col.* Asst. Prof.
Wilcox, F. H., A.B., Ph.D. Calif. Asst. Prof.
2 Assts.

Forestry [Prof.
Christie, H. R., B.Sc.F. Tor.
Knapp, F. M., B.S.F. Syracuse, M.S.F. Wash. Asst. Prof.

French, v. Mod. Langs.

Geology and Geography
Brock, R. W., M.A., LL.D. Qu., F.G.S.† Prof.
Schofield, S. J., M.A., B.Sc. Qu., Ph.D. Mass. Inst. Tech., F.G.S.A. Prof.
Williams, M. Y., B.Sc. Qu., Ph.D. Yale, F.G.S.A. Prof. of Palæont.
Burwash, E. M., B.A. Tor., M.A., B.D. Vict., Ph.D. Tor. and Chic. Lectr.
1 Asst.

History [Prof.
Eastman, M., B.A. Tor., Ph.D. Col.
Sage, W. N., B.A. Tor., M.A. Ox. Ph.D. Tor. Assoc. Prof.
Soward, F. H., B.A. Tor., B.Litt. Ox. Asst. Prof.
Keenleyside, H. Ll., Ph.D. Clark, B.A. Lectr.
1 Asst.

Horticulture, v. Agr.

Mathematics
Buchanan, D., M.A. McM., Ph.D. Chic. Prof.
Nowlan, F. S., B.A. Ac., A.M. Harv., Ph.D. Chic. Prof.
Robinson, G. E., B.A. Dal. Assoc. Prof.
Jordan, E. E., M.A. Dal. Assoc. Prof.
Richardson, L., B.Sc. Lond. Asst. Prof.
Hartley, B. S., M.A. Camb. Asst. Prof.
3 Assts.

Mining and Metallurgy
Turnbull, J. M., B.A.Sc. McG. Prof.
Thomson, H. N., B.Sc. McG. Prof. of Met.
Gillies, G. A., M.Sc. McG. Assoc. Prof. of Mining.
1 Asst.

Modern Languages
Ashton, H., M.A. Camb., D.Lett. Univ. Paris, D.Litt. Birm., O.I.P. Prof. of French.
Clark, A. F. B., B.A. Tor., Ph.D. Harv. Assoc. Prof. (French).
MacInnes, Isabel, M.A. Qu., Ph.D. Calif. Asst. Prof.
Chodat, H., M.A. McG. and Harv. Asst. Prof. (French).
Greig, Janet, B.A. Qu. Instr. (French).
6 Assts. in French.

Nursing and Health [Prof.
Hill, H. W. (v. Bacteriology)
Gray, Miss M. F., R.N., Cert. P.H.N. Simmons Coll. Asst. Prof.
15 Part-time Instrs.

* Dean of Women. † Dean of Faculty.

Philosophy

Coleman, H. T. J., B.A. Tor., Ph.D. Col.* (also Spl. Lectr. in *Educn.*) Prof.

Henderson, J., M.A. Glas. Assoc. Prof.

Wyman, Mrs. J. Benson, B.A., M.Sc. New Zealand, A.M., Ph.D. Stanford Asst. Prof. (*Psychology* and *Educn.*).

1 Asst.

Physics

Hebb, T. C., M.A., B.Sc. Dal., Ph.D. Chic. Prof.

Davidson, J. G., B.A. Tor., Ph.D. Calif. Assoc. Prof.

Hennings, A. E., M.A. Lake Forest Coll., Ill., Ph.D. Chic. Assoc. Prof.

Shrum, G. M., B.A., M.A., Ph.D. Tor. Asst. Prof.

Zoology

Fraser, C. McL., M.A. Tor., Ph.D. Iowa Prof.

Spencer, G. J., B.S.A. Tor., M.Sc. Illinois Asst. Prof.

2 Assts.

Agriculture

Agronomy

Boving, P. A., Cand. Phil. and Agr. (Sweden). Prof.

Moe, G. G., B.S.A., M.Sc. McG. Assoc. Prof.

Laird, D. G., B.S.A. Tor., M.S. Wisc. Asst. Prof.

1 Asst.

Animal Husbandry

King, H. M., B.S.A. Tor., M.S Oregon Ag. Coll. Prof.

Davis, R. L., B.S.A. Mont., M.S.A. Iowa S.C. Asst. Prof.

Hare, H. R., B.S.A. Tor., M.A. Wis. Asst. Prof.

Jervis, J. G., V.S. Ont. Vet. Col., B.V.Sc. Tor. Lectr. in Vet. Sc.

Dairying

Sadler, W., B.S.A., M.Sc. McG., N.D.D. (Reading) Prof.

Golding, N. S., N.D.D., B.S.A. Tor., M.Sc. Iowa Assoc. Prof.

1 Asst.

Horticulture

Clement, F. M., B.S.A. Tor., M.A. Wisc.* Prof.

Barss, A. F., A.B. Roch., B.S.Agr. Corn., M.S. Oreg. Ag. Coll. Assoc. Prof.

Buck, F. E., B.S.A. McG. Asst. Prof.

1 Asst.

Poultry Husbandry

Lloyd, E. A., B.S.A. Sask. Prof.

Asmundson, V. S., B.S.A. Sask., M.S.A. Corn. Asst. Prof.

1 Asst.

* Dean of Faculty.

AFFILIATED COLLEGES

VICTORIA COLLEGE, Victoria. Affiliated, 1920, for 1st and 2nd years in Arts. Principal—E. B. Paul, M.A., LL.D. Aberd., Assoc. Prof. of *Classics*. Other Profs.—P. H. Elliot, M.Sc. McG., Assoc. Prof. of *Science*; Jeanette A. Cann, B.L. Dal., Asst. Prof. of *Engl.* and *Philos.*; Mme. E. Sanderson-Mongin, Asst. Prof. of *French.*

WESTMINSTER HALL, Vancouver (Theological)—W. H. Smith, M.A., Ph.D., D.D., and THE ANGLICAN THEOLOGICAL COLLEGE OF BRITISH COLUMBIA, Vancouver—Rev. W. H. Vance, M.A., both affiliated in 1922.

RYERSON COLLEGE, Vancouver (Theological)—Rev. J. G. Brown, M.A., affiliated in 1924.

GENERAL INFORMATION (v. also p. 340)

Telegraphic Address—UBRICO.

An Act of the Provincial Legislature was passed in 1890 establishing a University of British Columbia, but it lapsed in 1891. Vancouver High School was affiliated to McGill for the first year in Arts under the name of Vancouver College in 1899. In 1902 Victoria High School was similarly affiliated as Victoria College. In 1906 the Royal Institution for the Advancement of Learning of B.C. was incorporated, and established the McGill Univ. Coll. of B.C., taking over, by agreement, the Arts work of Vancouver College (extended in 1908 to include the 3rd yr. in Arts), and adding 2 yrs. of Applied Science. In 1907 Victoria College was incorporated in the Univ. Coll. The connexion with McGill was brought to a close in 1915, when the University of British Columbia, incorporated by an Act of 1908, and endowed with 2,000,000 acres of land, was opened, with provision for a complete course in Arts and 3 yrs. in Applied Science. In 1920 all lands in the Province which had been set aside for higher education reverted to the Provincial Government, but it was arranged that the net proceeds from the sale of lots or lands in an area of 3000 acres at Point Grey should be paid into a "University Endowment Account." The University site consists of 548 acres on the headland of Point Grey, 300 feet above the sea. Here a group of buildings constructed at a cost of nearly $2,000,000 was opened in Oct. 1925.

The Board of Governors consists of the Chancellor, elected by Convocation, President, and 9 nominees of the Lieut.-Govr. in Council. The Senate consists of the Minister of Educn., Chancellor, President (as Chairman), Deans, and 2 Profs. of each Faculty, 3 nominees of the Lieut.-Govr. in Council, Supt. of Educn., principals of normal schools, one member elected by high school principals and assts., one by Provl. Teachers' Inst., one by each affiliated Coll. or School in the Province, 15 by Convocation.

The Univ. is an integral part of the public educational system of the Province, and its function is to complete the work begun in the public and high schools. It is the policy of the Univ. to promote education in general and, in particular, to serve its constituency through three channels—teaching, research, and extension work. As regards teaching it furnishes instruction in the various branches of a liberal education, and in those technical departments which are most directly related to the life and industries of the Province. The people of the Province are informed of the results of special work by the staff of the Univ. through extension lectures. Lecturers are sent to various parts of the Province during the examination weeks in Dec. and April. In places which can be visited without prejudice to the duties of the lecturer at the Univ., lectures are arranged to take place during term.

The LIBRARY has nearly 56,000 vols. and over 10,000 pamphlets, and regularly receives 450 periodicals. LABORATORIES available for all courses. A Forest Products Lab. (with two Olsen Universal Testing Machines of 200,000 and 30,000 lb. capacity respectively and one Hatt-Turner Impact Testing Machine) was established in 1918 by the Forestry branch of the Dept. of the Interior as a permanent branch of the F.P. Labs. of Canada. HERBARIUM, 16,000 sheets native flora, 200 water colours B.C. Fungi. BOTANICAL GARDENS, Arboretum and economic section, 5 acres.

FACULTIES. Arts and Science, Applied Science (Civil, Elec., Mech., Forest, Geological, Metallurgical, Mining, and Chemical Engineering, Chemistry, Nursing and Health), Agriculture (including Dairying and Horticulture).

PENSION SCHEME. In 1924 a contributory plan of retiring allowances for members of the teaching staff was adopted, contracts being placed with the

Teachers' Insurance and Annuity Assocn. of America. The same year the Univ. was associated with the Carnegie Foundation for the Advancement of teaching, v. p. 344.

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.

DEGREE COURSES. B.A., 4 yrs. (3 from Senior matricn.). B.A.Sc. in Applied Science, 4 yrs. (following 1st yr. in Arts or Senr. matricn.). A degree course in Nursing covers 5 yrs., including 2 yrs. of hospl. training. B.S.A., 4 yrs. from Junr. matricn. Double course, B.A. and B.A.Sc., 6 yrs. Courses for the M.A., M.A.Sc., and M.S.A. SHORT COURSES in Mining, 8 weeks, Jan.-March; in Agric. at the Univ. and elsewhere. Evening courses, with summer excursions, in Botany. Summer courses.

SUMMER SESSION. In 1922 the summer school for teachers became the summer session. Teachers and others with full Matricn. standing may pursue Univ. courses and receive credit therefor towards the B.A. degree. As yet courses beyond those of the first three years are not offered.

FEES, inclusive, $100-$150 per session. Graduation, $20.

SCHOLARSHIPS FOR GRADUATES. $200 awardable to graduate for further studies; three of $100, one being for Applied Science and one for Canadian History; $1200 p.a. for 3 yrs. for study in France.

RESIDENCE. Board and lodging in vicinity of the College from $40 to $50 p.m.

UNIVERSITY EXTENSION. Numerous lectures have been given under Univ. auspices in different centres in the province, but adult education has not yet been given the status of a Department. The selection of speakers and of subjects is made by a Standing Committee on Univ. Extension, which provides series of connected lectures throughout the winter. Short courses of 4 days' duration have been conducted for a number of years with marked success. Present indications are that 3-yr. tutorial classes will not be organized in the Univ. for some time. The *Vancouver Institute* co-ordinates efforts of various organizations in the field of adult education.

PUBLICATION. *Calendar* (April); University Extension Committee's bulletins.

THE YEAR 1925–26

The new buildings at Point Grey, three permanent and nine semi-permanent, were completed. They were opened on Oct. 16, 1925, by Sir Arthur Currie, Principal of McGill Univ. Their cost amounts to $2,757,625; that of their equipment to $481,671. Honorary degrees conferred on that occasion: *LL.D.*—Hon. W. C. Nichol, Sir A. W. Currie, Hon. J. D. MacLean, H. Suzzallo, J. S. Plaskett, H. E. Young, R. E. McKechnie.

NEW DEPARTMENT. Education.

STUDENTS. *Full-time*: total, 1463 (including women, 636). In Arts and Pure Science, graduates 41 (w. 17); preparing for a first degree, 1083 (w. 544). Applied Science, grad. 4, undergrad. 225 (w. 33). Agric., grad. 2, undergrad. 51 (w. 7). Teacher Training, grad. 57 (w. 35). *Summer Session for Teachers*: 394. *Other Extra-mural Students*: Agric. 89, Botany 34, P. H. Nursing 4. *Students from Abroad* (full-time): U.S.A. 6, India 4, Russia 3, Japan 3, other countries 4. *Graduate study abroad*: Nichol scholar (France), J. Huggett, M.A.Sc.

DEGREES OBTAINED. B.A., 139 (w. 72); M.A., 16 (w. 8); B.A.Sc., 29 (w. 3); M.A.Sc., 4; B.S.A., 9 (w. 1).

DALHOUSIE UNIVERSITY, HALIFAX, NOVA SCOTIA

CHAIRMAN OF THE BOARD OF GOVERNORS—GEORGE S. CAMPBELL, LL.D.

PRESIDENT OF THE UNIVERSITY—A. STANLEY MACKENZIE, Ph.D., D.C.L., LL.D.

REGISTRAR—Prof. M. MACNEILL, M.A.

LIBRARIAN—Prof. A. MACMECHAN.

PROFESSORS, LECTURERS, ETC.

Anatomy [Campbell Prof.
Cameron, J., M.D. Edin., D.Sc. St. And., M.R.C.S.
Curry, W. A., M.D., C.M. McG., F.R.C.S. Eng. Demr.
Grant, G. W., M.B. Edin., B.A. Demr.
Mader, V. O., M.D., C.M. McG. Demr.

Archæology
Falconer, J. W., M.A. Edin., D.D. Knox. Lectr.

Biblical Literature [Lectr.
Kent, H. A., D.D. Mont., M.A.

Biology [Assoc. Prof.
Gowanloch, J .N., B.A., B.Sc. Man.
Bell, H. P., Ph.D. Tor., M.Sc. Assoc. Prof.

Chemistry
McIntosh, D., A.M. Corn., D.Sc. McG. Research Prof. and Head of Dept.
Nickerson, C. B., M.A. Clark Prof.
King, H. S., A.B. Harv. Asst. Prof.
Todd, E. W., B.A. Instr.

Classics
Murray, H., B.A. Lond., LL.D. Tor. McLeod Prof.
Nichols, E. W., Ph.D. Yale Assoc. Prof.
Griffin, A. K., M.A. Tor. and Ox. Assoc. Prof. (K.).
Logan, J. W., M.A. Lectr.

Commerce
Hunt, B. C., B.B.A. Boston Prof.
MacDonald, J. M., B.A. St. F. X., M.B.A. Harv. Interim Lectr
Wallace, Judge W. B., LL.D. Lectr. (*Comml. Law*).

Dentistry, v. *infra*

Economics and Sociology
Maxwell, W. R., M.A. Harv. Asst. Prof. (K.).
Prince, S. H., Ph.D. Col. Lectr. (K.).

Engineering, Civil
Copp, W. P., B.A. Ac., B.Sc. McG. Prof.
Theakston, H. R., B.Sc. (Mi.) N.S. T.C. Asst. Prof.

English Lang. and Lit.
MacMechan, A., B.A. Tor., Ph.D. J.H.U., LL.D. Tor. Munro Prof.
MacFarlane, W. D., M.A. King's, Ph.D. Gött. Prof. (K.).

(K.) = King's College.

Bennet, C. L., B.A. Camb.
Assoc. Prof. (K.).
Lowe, E. Margaret, B.A. Tor.
Lectr. (Engl. Comp.)

Geology [Asst. Prof.
McIntosh, D. S., M.Sc. McG., B.A.

History
Wilson, G. E., M.A. Qu., Ph.D. Harv. Prof.
Walker, A. S., M.A. Leeds and Birm. Prof. (K.).

Law, v. *infra*

Mathematics
Macneill, M., M.A. Harv. Prof.
Murray, F. H., A.M., Ph.D. Harv.
Asst. Prof. (K.).

Mathematical Physics
Henderson, G. H., Ph.D. Camb., M.A. Prof. (K.),

Medicine and Surgery, v. *infra*

Modern Languages
Gautheron, Réné, ag. de l'Univ. (France) McLeod Prof.
Mercer, C. H., M.A., B.Com. Manc. Assoc. Prof.
Scott, R. W., A.M. Prince.
Assoc. Prof. (K.).

Music
Dean, H. Lectr.

Philosophy [Munro Prof.
Stewart, H. L., M.A. R.U.I. and Ox., Ph.D. R.U.I.
Symons, N. J., M.A. Ox.
Prof. (*Psychol.*).

Physics [Munro Prof.
Bronson, H. L., B.A., Ph.D. Yale
Johnstone, J. H. L., Ph.D. Yale, M.Sc. Prof.
Bronson, Merle P., M.A. Instr.
Laurence, G. C., B.Sc.
MacGregor Fellow.

Physiology and Histology
Babkin, Boris, M.D. St. Petersburg, D.Sc. Lond. Prof.
Dreyer, N. B., B.A. Cape, M.A. Ox. Asst.
Bean, R. J., M.S. N.H.
Assoc. Prof. (*Hist. & Embry.*).
McLarren, P. D., M.D., C.M. Demr.

Political Science and Government
Munro, H. F., M.A. Harv.
Dennis Prof.

Law, v. also Com.

Agency and Contracts
MacDonald, V. C., LL.B. Lectr.

Bankruptcy
Yeoman, R. F., B.A., LL.B. Lectr.

Bills and Notes, Equity, etc.
Read, H. E., B.A. Acadia, LL.B. Dal., LL.M. Harv. Lectr.

Constitutional Law and Procedure and Property
Read, J. E., B.C.L. Ox., B.A.
Munro Prof.

Crimes [Lectr.
Doty, I. C., B.A. Acad., LL.B.

Evidence and Partnership
Macdonald, A. L., LL.B. Lectr.

Hist. Engl. Law [Lectr.
Godfrey, J. W., B.A., B.C.L. Ox.

Insurance
Thompson, W. E., LL.B. Lectr.
Jones, F. H. M., B.A., LL.B. Lectr.

Mortgages and Suretyship
Murphy, T. W., LL.B., K.C.
Lectr.

Prac. Statutes and Interprn.
McCleave, R. D., B.A., LL.B.
Lectr.

Shipping
Burchell, C. J., M.A., LL.B., K.C.
Lectr.

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

Anæsthetics
Lessel, J. F., M.D., C.M. Demr.
Muir, W. L., M.D., C.M. McG.
Demr.

Bacteriology, v. Pathology.

(K.) = King's College.

Bio-Chemistry
Young, E. G., B.A., M.Sc. McG., Ph.D. Camb.

Ear, Nose, and Throat [Demr.
Doull, A. E., M.D., C.M. McG.

Eye, Diseases of the, etc.
Mathers, R. E., M.D. N.Y. Lectr.
Cunningham, A. R., B.A., M.D., C.M. Demr.
Kirkpatrick, H. W , M.D., C.M. Demr.

Gynæcology, v. Obst.

Hygiene and Public Health
Prof. Hattie (v. Ment.) Prof.
Jost, A. C., M.D., C.M. McG. Lectr.
Chisholm, H. A., M.D., C.M. McG. Lectr.

Materia Medica
Burbidge, G. A., M.N.S. Phm. Soc. Demr.

Medical Jurispr.
Prof. Woodbury (v. Dentistry) Demr.

Medicine and Clin. Med., v. also Ped. and Skin.
Silver, L. M., B.A. Vind., M.B., C.M. Edin. Prof.
MacKenzie, K. A., M.D., C.M. Assoc. Prof.
Grant, H. G., M.D., C.M., M.R.C.S., L.R.C.P. Lond. Lectr.
Sieniewicz, T. D., M.D., C.M. „
Johnston, S. R., M.D., C.M. Lectr.
Churchill, J. L., M.D., C.M. McG. Lectr.
McLarren, P. D., M.D., C.M. Lectr.

Mental Diseases [Prof.
Hattie, W. H., M.D., C.M. McG.
Lawlor, F. E., M.D., C.M. McG. Demr.

Obst. and Dis. of Women and Children
Almon, W. B., M.D., C.M. (Obst.) Assoc. Prof.
Atlee, H. B., M.D., C.M., F.R.C.S. Edin. Assoc. Prof. and Head of Gynæc. Dept.
Macdonald, P. A., M.D., C.M. McG. (Practical O.) Demr.
Maclellan, E. K., M.D., C.M. Assoc. Prof.

Pathology and Bacteriology
Nicholls, A. G., M.A., M.D., C.M., D.Sc. McG. Prof.
MacKenzie, D. J., M.D., C.M. Asst. Prof.
Lyons, J. N., M.D. Demr. in B.
Grant, G. W. Demr. in P.

Pediatrics and Medicine
Carney, M. J., M.D., C.M. McG., B.A. Lectr.
Campbell, J. G. D., M.D., C.M. Demr. (Ped.).
Wiswell, G. B., M.D., C.M. Demr. (Ped.).

Pharmacology [Prof.
Gibbs, Owen S., M.B., Ch.B. Edin.

Skin Diseases and Medicine
Mack, F. G., M.B., C.M. Tor. (Demr. in Urology) Lectr.

Surgery and Clin. Surg.
Hogan, E. V., M.D., C.M. McG., M.R.C.S. Eng., L.R.C.P. Lond. Prof. and Head of Dept.
Murphy, G. H., M.D., C.M. (Clin. S.) Assoc. Prof.
McDonald, H. K., M.D., C.M. McG. (Clin.) Prof.
Stewart, J., M.B., C.M., LL.D. Edin. (Surg.)* Prof.
Weatherbe, P., M.B., Ch.B. Edin. (Op. Surg.) Assoc. Prof. & Demr.
McDougall, J. G., M.D., C.M. McG. (Clin.) Assoc. Prof.
Thomas, L., M.D., C.M., M.R.C.S. Eng., L.R.C.P. Lond. (Pract. Surg.) Demr.
Curry, W. A., M.D., C.M., F.R.C.S. Eng. Lectr.

* Dean of Faculty.

Burris, M. G., B.A., M.D., C.M. Demr.
Miller, V. L., B.A. Acad., M.D., C.M. McG., F.R.C.S. Edin. Lectr.
MacDonald, D. J., M.D., C.M. McG. Demr.
Acker, T. B., M.D., C.M. Demr.

Therapeutics [Lectr.
Corston, J. R., B.A., M.D., C.M.

Dentistry

D. Anatomy
Ritchie, S. G., B.A. N.B., D.M.D. T.D.C. Prof.

Crown and Bridge Work, etc.
Oxner, W. C., D.D.S., B.C.D.S. Prof.
Faulkner, A. W., D.D.S. Lectr.

Dentistry
Bagnall, J. S., D.D.S. Instr.

Exodontia and Radiology [Lectr.
Hennigar, G. R., D.D.S., B.C.D.S.

Genl. and Oral Surg. and Anæsth.
Woodbury, F. V., M.D., C.M. Dal., L.R.C.S. and L.R.C.P. Edin., L.F.P.S. Glas. Prof.

History, Ethics, and Jurispr.
Crosby, H. S., D.D.S. Lectr.

Hygiene, Preventive and Clinical Dentistry [Prof.
Thomson, G. K., D.D.S., P.D.C.

Materia Medica
Woodbury, K. F., D.D.S. Lectr.

Metallurgy
Nickerson, C. B., M.A. Lectr.

Operative D. [Prof.
Beckwith, W. H. H., D.D.S. Penn.
Chudleigh, D. G. A., D.D.S., B.C.D.S. Lectr.

Orthodontia
Woodbury, W. W., B.Sc., D.D.S., P.D.C. Prof.

D. Pathology and Therap.
Cogswell, A. W., M.D., C.M. Hfx., M.C., D.D.S. Penn. Prof.

Prosthetic D.
Ritchie, S. G., B.A., N.B., D.M.D., T.D.C. Prof.
Bagnall, J. S., D.D.S. Asst. Prof.
Fluck, G. H., D.D.S., P.D.C. Lectr.
Climo, C. B., D.D.S. Dal. Lectr.

ASSOCIATED AND AFFILIATED INSTITUTIONS

UNIVERSITY OF KING'S COLLEGE, v. *infra*.

UNITED CHURCH COLLEGE of Halifax. Classes and examns. in Hebrew and in New Testament Greek at the College 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, Very Rev. Clarence MacKinnon, M.A., D.D., LL.D. Other Profs.: J. W. Falconer, D.D.; J. M. Shaw, D.D.; W. G. Watson, D.D.; J. Line, D.D.

PRINCE OF WALES COLLEGE, Charlottetown, P.E.I. Students holding certain certifs. of the Coll. enter the 1st, 2nd, or 3rd yr. of the B.A. course. Principal, S. N. Robertson, M.A., LL.D.

HALIFAX CONSERVATORY OF MUSIC. Courses recognized for Mus.B. and Lic.Mus. Director, H. Dean.

HALIFAX LADIES' COLLEGE. The teaching in Household Science is recognized as part of the qualification for the Univ. diploma in that department. Principal, Miss F. E. Blackwood, B.A.

MARITIME COLLEGE OF PHARMACY. Courses recognized for B.Sc. Secy., G. A. Burbidge.

CONVENT OF THE SACRED HEART (Mother Superior, Madame Naud) AND MOUNT ST. VINCENT ACADEMY (Mother Superior, Mother Berchmans). Recognized for Advanced Standing in 1st and 2nd years in Arts.

GENERAL INFORMATION (v. also p. 340)

Dalhousie College, founded in 1818 by the Earl of Dalhousie, was in 1841 granted Univ. powers, but was closed in 1845 for want of sufficient funds. In 1863 it was reorganized and opened with a staff of 6 Professors. In 1877 the Faculty of Science was organized, and from 1879 development proceeded rapidly with the help of the benefactions of George Munro of New York ($350,000), Alexr. McLeod of Halifax ($65,000), and Sir Wm. Young ($88,000). The Faculty of Law was established in 1883, the School of Mines in 1902. In 1911 the Halifax Medical College, into which the Faculty of Medicine (organized in 1868) had been merged, was acquired by the Univ., and the College of Pharmacy was established with its co-operation. In 1912 the work of the Maritime Dental College was taken over by the Univ. In this year $400,000 was collected for a new site (40 acres) and buildings, etc., towards which Andrew Carnegie gave $40,000. Further benefactions amounting to $200,000 were received in 1915–18. In connexion with centenary celebrations in 1919 subscriptions amounting to $2,250,000 were obtained.

Appointments to the Board of Governors are made by the Govr.-in-Council on the nomination of the Board or on the nomination, with the approval of the Board, of individuals or bodies supporting chairs.

LIBRARIES. 55,000 vols. and 10,000 pamphlets. Access also to Science Library—61,000 vols. and pamphlets; Legislative—24,000 vols.; Theol.—11,000; Law—18,000. MUSEUMS: Ornith., Geol., Indian antiquities. Access to Provincial Museum of Geol., Mineral., Zool. LABORATORIES: Chem., Physical, Geol., Engin., Biol., Bio-Chem., Physiol., Histol., Pharm., Psychol.

FACULTIES. Arts and Science (including Commerce, Music, Pharmacy, and Engineering); Law; Medicine; Dentistry.

MATRICULATION requirements are articulated to the High School system of the Province which covers the 4 last years of the Public School 12-year course. The compulsory subjects for admission to the B.A., Phm.B., and LL.B. courses are (1) English, (2) Maths., (3) Latin or Greek, (4) another foreign language, (5) History (British or Ancient), Physics, or Chem.; B.Sc. or B.Mus.—(1), (2), (5), French, German; M.D., C.M., or D.D.S.—(1), (2), (4), Latin, Brit. Hist., Physics, Chem.

DEGREE COURSES. 4 yrs.—B.A., B.Sc., B.Com.; 3 yrs.—LL.B., Mus.B.; 4 yrs.—D.D.S.; 5 yrs.—M.D., C.M. (taken together); 4 yrs. (following 4 yrs. practical experience)—B.Sc. (Phm.); the first 2 yrs. of the Engin. course (v. p. 344). The M.D., C.M., and D.D.S. can be reached by concurrent courses in 8 yrs. The M.A. or M.Sc. is given on successful completion of an approved 1-yr. course of study by a B.A. or B.Sc., respectively, of an approved Univ. The course may be pursued by graduates of Dalhousie wholly or in part by private reading, attendance at the Univ. being optional for them (v. also pp. 110, 283, 292, 293, 325).

DIPLOMA course for the Lic.Mus.—2 yrs. Music and Pharmacy courses are taken in the Affiliated Institutions, v. *supra*. A 6 mos.' course of training for Pub. Health work for trained nurses is provided.

FEES. For tuition, for each class (ex. lab. or draughting-room), $18; lab. or draughting-room class, $23. Composition for tuition in Law, $150 p.a.; Med. or Dent., $200 p.a.

SCHOLARSHIPS FOR GRADUATES. $250 in Polit. Sc. for study in another Univ. LOAN FUNDS for students have been instituted.

RESIDENCE. Hostel for 100 women students, erected at a cost of $400,000. Dormitories are provided also for men students.

PUBLICATIONS. *Calendar* (July); *Annual Report* (Sept.); *Gazette*, $1; *Dalhousie Review*, quarterly. For description and photogravures of buildings, see *Jour. Royal Arch. Inst. of Can.*, Jan.-Feb. 1926.

THE YEAR 1925–26

BENEFACTIONS. Miss Belle Crowe, Madison, Wisc., U.S.A., a former student, reversion of legacy, $10,000, for a fellowship for graduate study; Dr. J. F. Black, of London, formerly of Halifax, bequest $1000 for the Dept. of Surgery; $1000 to found the "Katherine Buttenshaw Mathematical Prize Fund."

NEW NOMENCLATURE FOR MEDICAL AND DENTAL COURSES. The Medical course is now denominated as one of five years, based on two years of Arts and Science. The Dental course is one of four years, based on one year of Arts and Science. The Pharmacy course has been extended to four years, leading to the degree of B.Sc.

HONORARY DEGREES. *LL.D.*—Sir Andrew Rae Duncan, Isaac Gammell, J. C. Webster.

OTHER DEGREES. B.A., 66 (including 37 women); B.Sc., 8 (w. 1); M.A., 8 (w. 5); B.Com., 5 (w. 2); LL.B., 16 (w. 2); M.D., C.M., 35.

STUDENTS. Full-time: total, 684 (w. 204); graduates, 7 (w. 2); preparing for a first degree, in Arts or Pure Science 335 (w. 158), Medicine 113 (w. 8), Law 43 (w. 3), Dentistry 20; other full-time students, 166 (w. 33). Resident in hostels, 100 (w.). Students from other countries: U.S.A. 25, Br. W. Indies 9, India 2, Korea 1, Philippines 2.

UNIVERSITY OF KING'S COLLEGE, HALIFAX, NOVA SCOTIA

(Associated with Dalhousie University.)

PATRON—THE ARCHBISHOP OF CANTERBURY.

VISITOR AND CHAIRMAN OF THE BOARD OF GOVERNORS—THE ARCHBISHOP OF NOVA SCOTIA.

VICE-CHAIRMAN OF THE BOARD OF GOVERNORS—THE BISHOP OF FREDERICTON.

PRESIDENT—Rev. ARTHUR H. MOORE, M.A., D.C.L. (Lennox), D.D.

REGISTRAR—T. H. HUNT, M.A., D.D.

BURSAR AND DEAN OF RESIDENCE—R. L. NIXON, M.Sc.

DEAN OF WOMEN—Mrs. W. F. MCCURDY.

PROFESSORS AND LECTURERS: *Divinity*—Vroom, Ven. Archdeacon F. W., D.C.L. Bishop's Coll., M.A., D.D., Dean of Divinity and

Librarian; Hunt, T. H., M.A., D.D., Alexandra Prof.; Hiltz, R. A., M.A., D.C.L., Lectr.; the President.

For *Classics, Economics, English, History, Maths., Math. Physics, Mod. Langs., and Philos.*, see Dalhousie Univ. staff list.

GENERAL INFORMATION (v. also p. 340)

Postal Address—King's College, Halifax, N.S.

Opened in 1789 at Windsor, N.S., the College was established with full University powers by Royal Charter in 1802. In Sept. 1923, following the recommendation of experts commissioned by the Carnegie Foundation for the Advancement of Teaching, who advocated the policy of bringing together the colleges of the Maritime Provinces in one central Univ. at Halifax, the Univ. removed to Halifax and became associated with Dalhousie Univ.—the first step towards a federation of the maritime colleges. The staffs in Arts of the two Univs. are combined in one faculty. The first year courses are given independently to the students of Dalhousie and of King's; but with this exception students of both institutions follow on equal terms the same courses leading to the same degrees. King's holds in abeyance her degree conferring power in Arts and Science, but retains complete control of her Divinity School as well as of her present endowments, administration of residences, etc. Under the terms of the agreement between Dalhousie and King's, the Carnegie Foundation has set aside $600,000, which will be handed over to King's when a sum sufficient to establish the College in Halifax has been raised. The School of Law which was established in connexion with the College, in St. John, N.B., in 1892, was transferred to the Univ. of New Brunswick in Sept. 1923, when King's College removed to Halifax. The Univ. is governed by a Board consisting of the Bishops of the dioceses of Nova Scotia and Fredericton and the President of the Univ. *ex officio*, together with 10 members elected by the Alumni Assocn. and 8 elected by each of the diocesan Synods.

Students from the JAMAICA CHURCH THEOLOGICAL COLLEGE who, after a residence of six terms there, pass the required examns. in the subjects of the Divinity course at King's, may receive the diploma of L.S.T.

PUBLICATIONS. *Calendar.* Special descriptive booklet issued in connexion with appeal for funds, 1926.

THE YEAR 1925–26

BENEFACTIONS. An appeal for funds for rebuilding and endowment, and pledges amounting to $330,000 were obtained.

HONORARY DEGREES. *D.D.*—The President and the Ven'ble Archdeacon A. H. Crowfoot. *Mus.D.*—D. McK. Williams.

STUDENTS (full-time). Graduate students of law, 5; preparing for first degree, 43 (including 11 women); others, 5.

DEGREES OBTAINED: B.A., 7 (w. 1); B.Sc., 1; others, 3.

LAVAL UNIVERSITY, QUEBEC

VISITOR AND CHANCELLOR APOSTOLIC—His Grace Mgr. R. M. ROULIAU, D.D., Rom. Archbishop of Quebec.

RECTOR—Mgr. CAMILLE ROY, L. ès L. Sorbonne, D.Ph., Sup. of the Seminary of Quebec.

SECRETARY OF THE UNIVERSITY AND MODERATOR—Prof. W. E. CANNON, M. ès A.

TEACHING STAFF

Anatomy, v. Med.

Astronomy, Practical
Smith, A., M.A. (Dir. of Quebec Observatory) Prof.
Simard, H., M.A., D.D. Prof.

Biology, v. Med.

Chemistry
Fillion, Ph. J., M. ès A. Prof.

Chemistry, Analytical
Garneau, Sir G., B. ès Sc.Ap., Ing.Civ., C.L.D'H. Prof.

Chemistry, Organic
Risi, L., D. ès Sc. Frib. Prof.
Gunstenperger, J., D. ès Sc. Frib. Asst. Prof.

Classics
Pelletier, Mgr. F., M.A. (Greek Lit.) Prof.
Croissant, L., L. ès L. Sorbonne, M.A. (Greek Lang.) Prof.
LeBel, A., D. ès Lettres (Latin Lit.) Prof.
Levesque, R., M.A., L. ès L. Sorbonne (Latin Lit.) Prof.

Commerce, v. Law

Dentistry, v. Med.

Economics, v. Soc.

Elocution
Rivard, Hon. A., M.A., D. en Dr.. D. ès L., K.St.Gr.* Prof,

English
Cannon, W., M.A. Prof.

Entomology
Maheux, G., M.A., Ing.For. Prof.

Forestry
Piché, G. C., M.A., Ing.For. Prof.
Bédard, A., M.A., Ing.For. Prof.

Forest Law
Richard, L. A., D. en Dr. Prof.

French Language
Aubert, A. Prof.

French Literature [Prof.
Roy, C., L. ès L. Sorbonne, D.Ph.
Gaillard de Champris, H., D. ès L. Prof.
Maheux, A., M.A., L. ès L. Sorbonne Prof. of Rhetoric.
Laliberté, M., M.A., L. ès L. Sorbonne Prof. of Rhetoric

Geology and Mineralogy
Vachon, A., M.A., L.Phil. Prof.

Histology, v. Med.

History (General)
Chapais, Hon. T., D.L., C.St.Gr., C.L.D'H. Prof.
Savard, G. Prof.

History of the Church
Gignac, J., D.D. Prof.

* Judge of the High Court.

History of Canada and of the Church in Canada
Gosselin, Mgr., M.A. Prof.
Genest, O., B. ès L. Prof.

Law, v. *infra*

Mathematics
Tremblay, A. Prof.
Mercil, A., M. ès A., Ing.Civ., B. ès Sc.Ap. Prof.
Bergeron, O., M. ès A. Prof.

Medicine, v. *infra*

Music
Gilbert, J. A., Mus.D. Prof.
Talbot, R. Asst. Prof.
Pelletier, Canon J. R. Prof.

Pedagogy
Courchesne, G., D.Th. Prof.

Philosophy [Prof.
Roy, G., B.A., D.Ph., L.Dr., D.Th.
Robert, A., M.A., L. en Econ. Louv., D.D. Prof.

Physics
Simard, H., M. ès A., D.Th. Prof.
Larose, P., Ph.D. McGill Prof.

Physiology, v. Med.

Social and Political Econ.
Gregoire, J. E., LL.L., L. és Sc. Louv. (S. and P.) Prof.

Surveying
Joncas, P., Ing.Civ., B. ès Sc.Ap., M.Can. Soc. C.E. (Building and S.) Prof.

Theology, v. also Hist.
Paquet, Mgr. L. A., V.G., D.Th., M.St.T.A. Prof.
Nadeau, E., D.Th., L. en Dr. Can. Prof.
Gariépy, Mgr. C. N., D.Th. Prof.
Gagnon, C., D.Th. Prof.
Foy, C., Lic. en. Ph., D.Th. Prof.
Gignac, Canon J., D.Th., D. en Dr. Can., Rome (Canon Law) Prof.
Grandbois, J. E., L. en Ph., D.Th. (Holy Script. and Orient. Langs.) Prof.
Robert, A., M.A., D.Th., D.Ph., D.St.T.A., L.Sc. Louv. Prof.

Zoology and Botany
Robitaille, A., M.A. Prof.

Law

Admin., Const., and Munic. L.
Sirois, J., D. en Dr. Prof.

Civil L. [Prof.
Dorion, Hon. C. E., D. en Dr.*
Roy, F., D. en Dr., K.C., O.I.P. Prof.

Commerc. and Marit. Law
Bernier, L. M. J. A., D. en Dr.* Prof.
Marchand, A., D. en Dr., K.C. Prof.
Gravel, J., D. en Dr., K.C. Prof.

Criminal L. [Prof.
Lachance, A., L. en D., Judge
Fitzpatrick, Rt. Hon. Sir Chas., G.C.M.G., D. en Dr., P.C.C. Prof.

History of L. [Prof.
St. Laurent, L., D. en Dr., K.C.

International L.
Rivard, Hon. A., M.A., D. ès L., D. en Dr.* Prof.

Municipal L. [Prof.
Prévost, J. A., D. en Dr., K.C.

Procedure, Civil
Pouliot, A., D. en Dr. Prof.
Baillargeon, E., D. en Dr., K.C. Prof.
Gagué, J.-A., LL.L., K.C. Prof.

Roman L.
Flynn, Hon. E. J., D.en Dr.* Prof.
Belleau, E., D. en Dr., K.C. Prof.
Desrivières, E., D. en Dr. Prof.
Pelland, L., LL.L. Prof.

Medicine

Anatomy, Descriptive
Dagneau, C., M.D Prof.

* Judge of the High Court.

Anatomy, Pathological
Vallée, A., M.D. (Dir. of P.A. and Bact. Labs.) Prof.

Anat. and Oper. Med., Pract.
Pâquet, A., M.D. Prof.

Biology
Vézina, C., M.D. Prof.

Dentistry
Langlois, A., D.Dent. Prof.
Gaudreau, S., D.Dent Prof.

Dermatology
Mayrand, R., M.D. Prof.

Gynæcology and Gyn. Clin.
Grondin, S., M.D., C.L.D'H., O.I.P. Prof.
Caouette, J., M.D. Prof.

Histology and Bacteriology
Potvin, R., M.D. Prof.
Berger, L., M.D. Stras.

Hygiene, Public
Paquin, R., M.D. Prof.
Couillard, E., M.D. Prof.

Laryngology
Fiset, L. J. N., M.D. Prof.
Dussault, N. A., M.D. (Rhino-Lar., etc.) Prof.
Vaillancourt, J., M.D. Prof.

Materia Medica
Faucher, P. V., M.D. Prof.
Turcot, E., M.D. Prof.
Roy, S., M.D. Prof.

Medicine, Clinical
Rousseau, A., M.D. Prof.

Mental Disease
Brousseau, A., M.D. Paris Prof.

Ophthalmology
Pagé, J. D., M.D. Prof.

Ophth. and Ot. Clin., etc.
Coote, P., M.D. Prof.

Pathology, Ext. and Clin. Surg.
Simard, E. T. A., M.D., O.I.P. Prof.

Path., Internal
Guérard, J., M.D. Prof.

Pediatrics, Hygiene, etc.
Fortier, E. R., M.D. Prof.
Jobin, A., B.A., M.D. Prof.

Physiol. and Clin. Med.
Lacroix, J. B. Prof.

Surgery, Clinical
Dagneau, C., M.D. Prof.
Marois, A., M.D. Prof.

Therapeutics
Guérard, J., M.D. Prof.
Lessard, A., M.D. Prof.

Toxicol., Leg. Med., etc.
Marois, A., M.D. Prof.

INSTITUTIONS ANNEXED OR AFFILIATED TO THE UNIVERSITY

[" Annexion " implies absolute control by the Univ. of the programmes of study and of the nomination of the staff. " Affiliation " or—in the case of an institution outside the province of Quebec—" agrégation " involves control by the Univ. of examinations.]

ÉCOLE D'ARPENTAGE ET DE GÉNIE FORESTIER (Surveying and Forestry). Founded by Govt. and annexed to the Faculty of Arts. Director, Avila Bédard, Prof. of Forestry. 11 other Profs.

ÉCOLE AGRICOLE DE STE. ANNE DE LA POCATIÈRE, affiliated. Director, Prof. N. Pelletier. 12 other Profs.

ÉCOLE SUPÉRIEURE DE CHIMIE. Annexed to the Faculty of Arts. Director, A. Vachon. 7 other Profs.

ÉCOLE NORMALE SUPÉRIEURE. Annexed to the Faculty of Arts. Director, Prof. F. Pelletier. 10 other Profs.

ÉCOLE DE MUSIQUE. Annexed to the Faculty of Arts. Director, J. A. Gilbert. 6 other Profs.

ÉCOLE DE PHARMACIE. Annexed to the Faculty of Arts. Director, A. E. Francœur.

ÉCOLES DE GARDE—MALADES.

ÉCOLE SUPÉRIEURE DE PHILOSOPHIE. Director, Mgr. L. A. Paquet, D.D. Rom., and 4 other Profs.

GRANDS SÉMINAIRES. (Pupils obtain the B. en Th. by passing a certain number of quarterly examns. in the Seminary.) Québec (comprising Theol. students under its jurisdiction or following its courses); Ste. Anne de la Pocatière (Coll. de Ste. Anne); Rimouski; Chicoutimi; Nicolet; Trois Rivières.

ENSEIGNEMENT SECONDAIRE MODERNE ET CLASSIQUE. Numerous institutions are affiliated to the Univ. under conditions providing for complete preparation for Inscription and the Baccalauréat.

GENERAL INFORMATION (v. also p. 340)

The Univ. was founded by the Seminary of Quebec in 1852 under a Royal Charter. A general supervision of teaching and discipline is exercised by the Archbishop of Quebec as Visitor and Chancellor Apostolic and President of the Conseil Supérieur of Archbishops and Bishops of the Province. The Profs. of the Faculty of Theology 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 each Faculty.

LIBRARIES, 173,016 vols. MUSEUMS: Mineral., Geol., Bot., Zool., Ethnol., Relig., Paintings, Coins. LABORATORIES: Chem., Phys., Bact., Biol., Physiol.

FACULTIES. Arts (with Schools of Surveying and Forestry, Chemistry and Training for Teachers annexed), Theology, Law, Medicine.

DEGREES AND DIPLOMAS. The Univ. perpetuates the stages by which a Degree was, and still is, reached in the Univ. of Paris. The Baccalauréat (B. ès A., etc.) 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 science. 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. ès A.; those who reach this standard in either and a certain lower standard in the other obtain the B. ès L. or B. ès Sc. The course for the Licence covers 2 yrs. in Philos. (L. en Ph.) or Letters (L. ès L.); 3 yrs. in Theol. or Law (L. en Th. or Dr.). To obtain the D. en Ph. or D. en Dr. it is necessary to support successfully in public a thesis and propositions as in other French Univs. The D. en Th. and D. en M. or M.D. are granted after examn.

The complete medical course formerly lasted only 4 yrs., but since Jan. 1909 has, in accordance with the regns. of the Provincial Coll. of Phys. and Surgns., been framed so as to cover 5 yrs. The Baccalauréat, however, may be taken on the completion of 2 yrs. The Doctorat gives admission to the examn. for the Diploma of M.R.C.S. Lond. Inscription in Arts is recognized as corresponding to the Prelim. examn. of the R.C.S. Lond. The examns. for the Dipl. of Hygiéniste expert may be taken by a D. en M. after a 6 mos.' course.

The Diploma in Forestry and in Surveying implies 4 yrs.' study in the Sch. of Surveying and Forestry.

The new École de Chimie provides a 4 yrs.' course leading to a Licence and to a Doctorate in Chemistry.

RECOGNITION of the B. ès A. of Laval is accorded by the Univs. of Rome, of France and of Louvain, and by Canadian Univs., and some of those of the U.S.A (v. also p. 293).

FEES for tuition, $100 to $185 p.a.

SCHOLARSHIP OPEN TO GRADUATES. $400 p.a. for 2 years.

PUBLICATION. *Annuaire* (July).

THE YEAR 1925–26

BENEFACTIONS. Hon. G. E. Amyot, $100,000 for the study of Chemistry.

NEW BUILDING. School of Survey and Forestry, and School of Chemistry.

NEW AFFILIATION. École Supérieure de Philosophie.

INTERCHANGE OF TEACHERS. Prof. Roy, Faculty of Law, lectured at Dalhousie; lectures by Doctors from Paris were given in the Faculty of Medicine. Thirteen graduates or professors went abroad for study.

DEATH of the Chancellor, H.G. Mgr. P. E. Roy.

DEGREES. B. ès A., 119; B. ès Sc., 16; B. ès L., 25; M.B., 28; LL.B., 6; M.A., 3; Lic.Phil., 2; Lic.Dr., 21; Lic.Theol., 10; M.D., 38; LL.D., 1; D.Th., 4. Diplomas in Chem., 3; Nursing, 36; Music, 1 (w.); For., 1; Agric. 8.

STUDENTS. Full-time: in Arts and Pure Science 1322, Medicine 245, Law 87, Theol. 366, Nursing 131 (women), Agric. 51. Resident in college or hostel, 815. Part-time: in Music, 371 (including 339 women), Economics 61, Languages 38 (w. 10). Pre-matriculation students, 6169 (w. 2580).

McGILL UNIVERSITY, MONTREAL

VISITOR—THE GOVERNOR-GENERAL OF CANADA.

PRESIDENT OF THE BOARD OF GOVERNORS AND *ex officio* CHANCELLOR—E. W. BEATTY, B.A., K.C.

PRINCIPAL AND VICE-CHANCELLOR—Sir ARTHUR W. CURRIE, G.C.M.G., K.C.B., LL.D.

SECRETARY AND BURSAR—A. P. S. GLASSCO, B.Sc.

REGISTRAR—J. A. NICHOLSON, M.A., LL.D.

LIBRARIAN—G. R. LOMER, M.A., Ph.D.

HON. REPRESENTATIVE IN GREAT BRITAIN—W. A. BULKELEY-EVANS, M.A., 5 Paper Buildings, Temple, London. E.C.4.

INCORPORATED COLLEGES

MACDONALD COLLEGE, at Ste. Anne de Bellevue (about 20 miles from Montreal), including School of Agric., School for Teachers, and School of Household Science.

Principal—F. C. Harrison, B.S.A. Tor., D.Sc.

ROYAL VICTORIA COLLEGE, Montreal (The Women's College of the Univ.).

Warden—Ethel Hurlbatt, M.A. Dub. (Somerville Coll., Oxford).

PROFESSORS, LECTURERS, ETC.

Accountancy

Thompson, R. R., A.C.A. (Engl. & Wales) Assoc. Prof.

Agriculture, v. *infra*

Anatomy [Prof.

Whitnall, S. E., M.A., D.M. Ox.

MacDermot, H. E., M.D. Lectr.

Thompson, I. McL., B.Sc., M.B., Ch.B. Edin. Asst. Prof.

12 Demrs.

Architecture

Traquair, R., M.A. (Hon.), F.R.I.B.A. Macdonald Prof.

Nobbs, P. E., M.A., F.R.I.B.A., A.R.C.A. (Design) Prof.

Dyonnet, E. Spl. Instr.

Turner, P. J., F.R.I.B.A. (Constrn., etc.) Lectr

Carless, W., O.B.E., F.R.I.B.A. Asst. Prof.

Thomson, L. R., B.A.Sc. Spl. Lectr.

Bio-Chemistry [Prof.

Macallum, A. B., M.A., M.B., Ph.D., D.Sc., LL.D., F.R.S.

Bliss, S. W., M.A., Ph.D. Asst. Prof.

2 Demrs.

Botany [Macdonald Prof.

Lloyd, F. E., M.A. Princeton.

Derick, Carrie M., M.A. (Morph. B.) Prof.

Scarth, G. W., M.A. Asst. Prof.

Chemistry

Ruttan, R. F., B.A., D.Sc. Tor., M.D. Macdonald Prof.

Evans, N. N., M.A.Sc. Assoc. Prof.

Johnson, F. M. G., M.Sc., Ph.D. Bres.,F.I.C. Prof. (Inorg. C.).
Maass, O., M.Sc., Ph.D. Harv. Prof. (Physical Chem.).
Whitby, G. S., M.Sc., Ph.D., A.R.C.S. Prof. (Organic Chem.).
Hibbert, H., D.Sc. Manc., Ph.D. Leip. Prof. (Industrial and Cellulose Chem.).
McLean, A. R. M., M.Sc., Ph.D. Asst. Prof.
Hatcher, H. W., M.Sc., Ph.D. Asst. Prof.
9 Demrs.

Classics
Woodhead, W. D., B.A. Ox., M.A. Alberta, Ph.D. Chic. Prof.
Stanley, Carleton W., B.A. Ox. Prof.
Carruthers, C. H., B.A. Ox., M.A. Asst. Prof.
Thompson, A. M., Ph.D. Harv. Asst. Prof.
Irwin, Eliz. A., M.A. Lectr. & Tutor.*

Commerce, v. also Acctcy., Law
Sugars, R. M., M.A. Dir. of School and Assoc. Prof. of Spanish.

Dentistry, v. *infra*

Economics, v. Pol. Econ.

Education
School for Teachers in Macdonald College: [Dean & Prof.
Laird, S., M.A., B.Phil.
Brunt, H. D., M.A., Ph.D. Lectr.
Chapman, Miss A. Irene, M.A. Mt. Allison Lectr.
Lockhart, A. R. B., B.A. Lectr.
Thompson, J. G., M.A. Lectr.
Howitt, M. H., B.S.A. Lectr.
Musgrove, R. B. Lectr.
Brownrigg, Miss N. Lectr.
2 Instrs.

Department of Physical Education:
Lamb, A. S., M.D. Director.
6 Assts.

Engineering, v. *infra*

English Lang. and Lit.
McMillan, C., M.A., Ph.D. Harv. Molson Prof.
Latham, G. W., B.A. Harv. Assoc. Prof.
Files, H. G., M.A., Ph.D. Harv. Asst. Prof.
Noad, A. S., M.A. Asst. Prof.
4 Assts.

French [Prof.
Du Roure, R., Agrégé France
Furness, Lucie Touren, L. ès L. France Asst. Prof.*
Messac, Regis Asst. Prof.
Bisson, L. A. Asst. Prof.
Villard, P., M.A., M.D., O.I.P. Assoc. Prof.
Mlle. Benoit Lectr.

Geology
Bancroft, J. A., Ph.D. Dawson Prof.
O'Neill, J. J., M.Sc., Ph.D. Asst. Prof.
Clark, T. H., Ph.D. Asst. Prof.
1 Demr.

German
Walter, H., M.A. Edin., Ph.D. Mun. Prof.
Lambert, E. T., B.A. Lond. Asst. Prof.
Meyer, Bertha, M.A. Lectr.

Hebrew and Semitic Langs.
Brockwell, C. A. B., M.A. Prof.
Gordon, A. R., M.A., D.Litt. Aberd. Prof.
Berger, J., M.A. Lectr.
Boyes, W., M.A. Lectr.

Hellenistic Jewish Lit.
Abbott-Smith, G., M.A., D.D., D.C.L. Asst. Prof.

* In Royal Victoria Coll.

Histology and Embryology
Simpson, J. C., B.Sc. Assoc. Prof.
Fisk, W. M., M.D. (Histol.) Lectr.

History
Waugh, W. T., M.A., B.D. Prof.
Fryer, C. E., M.A., Ph.D. Harv. Prof.
Adair, E. R., B.A. Camb. Assoc. Prof.
1 Asst.

Household Science
Philp, Miss B., Head of the School of H.S. in Macdonald Coll.
5 Instrs.

Law, v. *infra*

Logic, v. Philos.

Mathematics
Murray, D. A., Ph.D. (J.H.U.) Redpath Prof.
Sullivan, C. T., B.A. Dal., M.Sc., Ph.D. Chic., D.Sc. Prof.
Gillson, A. H. S., M.A. Camb. Assoc. Prof.
Matthews, T. H., M.A. Ox. Asst. Prof.
Tate, H., B.Sc., M.A. Dub. Asst. Prof.
Williams, W. L. G., Ph.D. Asst. Prof.
Dodd, G. J., M.Sc. (M. and Civ. Engin.) Asst. Prof.
Jamieson, R. E., M.Sc. (M. and Civ. Engin.) Asst. Prof.
Wood, F. M., M.A., B.Sc. Asst. Prof.

Medicine, v. *infra*

Mineralogy [Assoc. Prof.
Graham, R. P. D., B.A. Ox., M.Sc.

Mining, v. Engineering

Music
Perrin, H. C., Mus.D. Dub. Prof.
Lichtenstein, Clara Assoc. Prof.*

Nursing
Shaw, Miss M. Directress of School.
16 Lectrs. and Instrs. (Part-time).

Philosophy
Caldwell, W., D.Sc. Edin. (Moral P.) Macdonald Prof.
Mackay, Ira A., M.A. LL.B., Ph.D., LL.D. Prof. (Logic and Metaphysics).

Physics [Macdonald Prof.
Eve, A. S., D.Sc., F.R.S.
Barnes, H. T., D.Sc., F.R.S. Prof.
King, L. V., M.A. Camb., D.Sc. Prof.
Shaw, A. N., B.A. Camb., D.Sc. Assoc. Prof.
Gillson, A. H. S., M.A. Camb. Assoc. Prof.
Reilley, H. E., B.A., M.Sc. Asst. Prof.
Keys, D. A., M.A., Ph.D. Asst. Prof.
Bieler, E. S., M.Sc., Ph.D. Asst. Prof.
Foster, J. S., Ph.D. Asst. Prof.
7 Demrs.

Physiology
Tait, J., M.D., D.Sc. Drake Prof.
Giblin, N., M.B., Ch.B. Asst. Prof.
5 Demrs.

Political Economy
Leacock, S., B.A. Tor., Ph.D. Chic., Litt.D., LL.D. Prof.
Hemmeon, J. C., M.A., Ph.D. Harv. Assoc. Prof.
Day, D. J., B.A., B.Sc., Ph.D. Assoc. Prof.
Farthing, J. C., M.A. Asst. Prof.
Goforth, W., B.A. Tor. Lectr.

Psychology
Tait, W. D., B.A. Dal., Ph.D. Harv. Prof.
Kellogg, Chester E., Ph.D. Assoc. Prof.

* In Royal Victoria Coll.

Bridges, J. W., Ph.D.
Assoc. Prof. (Med. Psychology).
Social Service
Dawson, C. A., Ph.D. Director.
Gettys, W. E., Ph.D. Asst. Prof.
10 Lectrs. (Part-time).
Spanish, v. Commerce
Zoology [Strathcona Prof.
Willey, A., D.Sc., F.R.S.
Hogben, L. T., M.A. Camb., D.Sc. Lond. Asst. Prof.
Henderson, Jean T., B.A. Lectr.
Notkin, M., M.D. Lectr.
Breitenbecher, J. K., M.D. Chic. Lectr.

Agriculture, School of, in Macdonald Coll.

Agricultural Engineering
Heimpel, L. G., B.S.A. Asst. Prof.
North, F. G., B.S.A. Lectr.
1 Asst.
Agronomy
Summerby, R., M.S.A. Prof.
M'Taggart, Alex., Ph.D. Asst. Prof.
Raymond, L. C., B.S.A. Asst. Prof.
Animal Husbandry
Barton, H., B.S.A. Prof.
Ness, A. R., B.S.A. Lectr.
Crampton, Earle W., M.S., B.S.A. Lectr.
Hamilton, L. H., M.S. Lectr.
Bacteriology
Harrison, F. C., D.Sc. Prof.
Sanborn, J. R., M.Sc. Lectr.
1 Asst.
Biology
Dickson, B. T., B.A., Ph.D. Prof.
Duporte, E. M., Ph.D. Lectr.
Coulson, J. G., M.A. Lectr.
1 Asst.
Chemistry
Snell, J. F., Ph.D. Prof.
McCarthy, J. B., B.A., D.Sc. Asst. Prof.
1 Asst.
Homemakers Clubs, etc.
A Superintendent and 10 other Assts.
Horticulture
Bunting, T. G., B.S.A. Prof.
Tawse, W. J., B.S.A. Lectr.
Bemont, L. H., B.S. Lectr.
1 Asst.
Physics
..... Prof.
Poultry
Maw, W. A., B.S.A. Lectr.
1 Asst.

Dentistry

Clinical Dentistry
Thornton, A. W., D.D.S. (Dean of the Faculty) Prof.
Dental Pathology and Therapeutics
Henry, Fred. G., D.D.S. Prof.
Operative D.
Baxter, F. H. A., D.D.S. Prof.
Walsh, A. L., D.D.S. Assoc. Prof.
Oral Surgery
Henry, C. K. P., M.D. Lectr.
Orthodontia
McClelland, A. W., D.D.S. Prof.
Prosthetic D.
Cameron, G. S., D.D.S. Prof.
Dohan, J. S., D.D.S. Assoc. Prof.
D. Jurisprudence [Prof.
Bond, W. L., B.A., B.C.L., K.C.
D. Anatomy
Abraham, J. W., D.D.S. Lectr.
D. History, Ethics and Econ.
Stevenson, F. A., D.D.S., D.M.D. Harv. Lectr.

Engineering

Applied Mech. and Hydraulics
Brown, E., M.Sc., M.Eng. Prof.
Civil Engineering
Mackay, H. M., B.A., B.A.Sc., M.Am.Soc.C.E. Prof.
..... Assoc. Prof.
Jamieson, R. E., M.Sc. Asst. Prof.

Dodd, G. J., M.Sc. Asst. Prof.
Wood, F. M., M.A., B.Sc. Lectr.
2 Assts.

Economics
Day, J. P., B.A., B.Sc. Lond., D.Phil. St. Andrews Assoc. Prof.
Brown, F. B., M.Sc. Lectr.
Farthing, J. C., M.A. Ox. Asst. Prof.

Electrical Engineering
Christie, C. V., M.A., B.Sc. Dal. Prof.
Burr, E. G., B.Sc. Asst. Prof.
Wallace, G. A., M.Sc. Asst. Prof.
2 Demrs.

Freehand Draw. & Descr. Geom.
Armstrong, H. F., M.A. (Hon.) Prof.
3 Demrs.

Highway and Municipal E.
French, R. de L., B.Sc., C.E. Prof.

Law, Engineering
Weldon, J. W. Lectr.

Mechanical Engineering
McKergow, C. M., M.Sc. Prof.
Roberts, A. R., M.Sc. Assoc. Prof.
Coote, J. A., B.Sc. Asst. Prof.
Patten, R. H., B.Sc. Lectr.
Vessot, C. U., M.Sc. Lectr.
McCurdy, L. R., B.Sc. Lectr.
5 Demrs.

Metallurgical Engineering
Stansfeld, A., D.Sc. Lond. Prof.
Sproule, Gordon, M.Sc. Asst. Prof.
Pascoe, C. F. Spl. Lectr.
Roast, H. J. Lectr.
1 Asst.

Mining Engineering
Porter, J. B., E.M., Ph.D. Col., D.Sc. (Hon.) Cape M.I.C.E. Macdonald Prof.
Bell, J. W., M.Sc. Assoc. Prof.
Erlenborn, Willi, M.Sc. Lectr.
3 Research Fellows.

Surveying and Geodesy
Kelly, A. J., B.Sc. Asst. Prof.
Weir, James, B.Sc. Asst. Prof.
1 Demr.

Law

Civil Law
Howard, Hon. Justice E. E., B.A., B.C.L., K.C. Prof.
Chipman, W. F., B.A., B.C.L., K.C. Assoc. Prof.
Beullac, P., K.C. Lectr.

Civil Procedure [Prof.
Surveyer, Hon. Justice E. F., B.A. Laval, B.C.L., K.C.

Commercial Law [Prof.
Martin, Justice J. E., B.C.L., K.C.
Le Mesurier, C. S., B.A., B.C.L. Assoc. Prof.
Tyndale, O. S., M.A., B.C.L. Asst. Prof.

Constitutional and Federal Law
Smith, H. A., M.A. Ox. Prof.

Criminal Law
Greenshields, Hon. Justice R. A. E., B.A., B.C.L. Prof.

Ethics, Legal [Prof.
Mignault, P. B., LL.D. Laval, K.C.

Evidence [Prof.
Wainwright, A., B.A., B.C.L., K.C.

Internat. Law, Private
McDougall, G. W., B.A., B.C.L., K.C. Prof.

Municipal Law
Rinfret, T., B.C.L. Lectr.

Notarial Law
Bridgman, R. H., B.C.L. Lectr.

Roman Law [Prof.
Corbett, P. E., B.A. (Jurispr.) Ox.

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

Bacteriology
Bruère, A. A., M.D. Edin. (B. and Clin. Med.) Asst. Prof.
Beattie, W. W., B.A., M.D. Lectr.
1 Asst. Demr.

Dermatology [Clinical Prof.
Campbell, C. G., B.Sc., M.D.
Burnett, P., M.D. Lectr.
Burgess, J. F., M.D. Lectr.
1 Demr.

Gynæcology and Obst.
Chipman, W. W., B.A., M.D. and F.R.C.S. Edin. Prof.
Little, H. M., B.A., M.D. Asst. Prof.
Goodall, J. R., O.B.E., B.A., M.D., D.Sc. Lectr.
Patrick, D., M.D. Lectr.
Duncan, J. W., M.D. Lectr.
Burgess, H. C., M.D. Lectr.
Fraser, J. R., M.D. Lectr.
Bauld, W. A. G., M.D. Lectr.
2 Demrs.

History of Medicine
Macphail, Sir A., B.A., M.D. Prof.

Hygiene [Strathcona Prof.
Starkey, T. A., M.B., D.Ph., L.R.C.P. Lond., M.R.C.S. Eng., M.D., C.M.
McDonald, R. St. J., B.A., M.D., D.P.H. Asst. Prof.
Jones, F. B., M.D., D.P.H. Asst. Prof.

Med. Jurispr. [Prof.
MacTaggart, D. D., B.A.Sc., M.D.

Med., v. also Bact., Ped.
Meakins, J. C., M.D. Prof.
Martin, C. F., B.A., M.D. Prof.
Howard, C. P., B.A., M.D. Prof.
Hamilton, W. F., M.D. Prof.
Gordon, A. H., M.D. Assoc. Prof.
Peters, C. A., D.S.O., M.D. Lectr.
Mason, E. H., M.D. Asst. Prof.
Abbott, Maude E., B.A., M.D. Asst. Prof. of Med. Research.
Parsons, T. R., M.A., B.Sc. Asst. Prof. of Med. Research.
Rabinowitch, I. M., M.D. Asst. Prof.
Browne, J. G., B.A., M.D. Lectr.
Kaufmann, J., M.D. Lectr.
Lewis, D. S., B.A., M.D. Lectr.
Wylde, C. F., M.D. Lectr.
Moffatt, C. F., M.D. Lectr.
21 Demrs. and Asst. Demrs.

Neurology, Clin. [Clinical Prof.
Russel, C. K., B.A., M.D.
Mackay, F. H., B.A. Lectr.
1 Demr.

Ophthalmology, v. also Bact.
Byers, W. G. M., M.D., D.Sc. Prof.
Mathewson, G. H., B.A., M.D. Clinical Prof.
Tooke, F. T., B.A., M.D. Lectr.
McKee, S. H., B.A., M.D. Lectr.
4 Demrs. and Asst. Demrs.

Oto-Laryngology
Birkett, H. S., C.B., M.D. Prof.
Hamilton, H. D., M.A. Bish., M.D., L.R.C.P. and S. Edin., L.F.P.S. Glas. (O.-L. & Rhin.) Lectr.
4 Demrs. and Asst. Demrs.

Pathology
Oertel, H., M.D. Strathcona Prof.
Rhea, L. J., B.Sc., M.D. Assoc. Prof.
Chase, W. H., M.D. Lectr.
Scott, J. W., M.D. Lectr.
Waugh, T. R., M.A., M.D. Asst. Prof.
9 Demrs.

Pediatrics
Fry, F. M., B.A., M.D. (also Demr. in Clin. Med.) Lectr.
Cushing, H. B., M.D. Clinical Prof.
Chandler, A. B., M.D. Lectr.
Ross, S. Graham, B.A., M.D. Lectr.
Lindsay, L., M.D. Lectr.
Struthers, R. R., B.A., M.D. Lectr.
Goldbloom, A., B.A., M.D. Lectr.
7 Demrs. and Asst. Demrs.

Pharmacy
Moore, A. B. J., Ph.G. Hd. of Dept., Prof.

Pharmacology
Stehle, R. L. Prof.
Bourne, W., M.D. Lectr.
Lewis, D. S., B.A., M.D. Asst. Prof.
Rosenthal, S. M. Lectr.
Campbell, D. G., B.A., M.D. Lectr.
3 Demrs.

Psychiatry [Clinical Prof.
Porteous, C. A., M.D.
Hincks, C. M., M.D. Lectr.
Mitchell, W. T. B., M.D. Lectr.
2 Demrs.

Surgery [Prof.
Archibald, E. W., B.A., M.D.
Bazin, A. T., M.D. Prof.
Eberts, E. M., M.D., M.R.C.S. Eng. Assoc. Prof.
Barlow, W. L., B.A., M.D. Asst. Prof.
Keenan, C. B., M.D. Asst. Prof.
Patch, F. S., B.A., M.D. (Urology) Prof.
Mackenzie, D. W., B.A., M.D. (Urology) Prof.
Turner, W. G., B.A., M.D., M.R.C.S. Eng. (Orthop. Surg.) Prof.
Forbes, A. M., M.D. (Orthop. Surg.) Prof.
Howell, W. B., M.D. (Anæsthesia) Lectr.
Scrimger, F. A. C., B.A., M.D. Lectr.
Tees, F. J., B.A., M.D. Lectr.
Henry, C. K. P., M.D. Lectr.
McKenty, F. E., M.D. Lectr.
Gurd, F. B., B.A., M.D. Lectr.
Nutter, J. A., B.A., M.D. Lectr. (Orthop. Surg.).
Powell, R. E., B.A., M.D. (Urology) Lectr.
10 Demrs. and Asst. Demrs.

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 3rd yr. in McGill Engin. courses.

GRADUATES OF THE ROYAL MILITARY COLLEGE, Kingston, are admitted to the 3rd yr. in McGill Engin. courses. Graduates and students of the Mechanical Science course of CAMBRIDGE are admitted to advanced standing in the Faculty of Appl. Sc. Particulars obtainable from the Dean of the Faculty.

THEOLOGICAL COLLEGES

CONGREGATIONAL COLLEGE OF CANADA, MONTREAL. Principal, D. L. Ritchie, B.A., D.D.

DIOCESAN COLLEGE OF MONTREAL. Principal, E. I. Rexford, M.A., LL.D.

PRESBYTERIAN COLLEGE, MONTREAL. Principal, D. J. Fraser, M.A., LL.D.

WESLEYAN COLLEGE OF MONTREAL. Principal, J. Smyth, LL.D.

Students enter after graduation or pursue courses concurrently in Arts at the Univ., in Theol. at the Coll.—6 yrs. in all.

GENERAL INFORMATION (v. also p. 340)

The Hon. James McGill, of Montreal, who died in 1813, bequeathed 46 acres of land, with some buildings and £10,000, to found a college, and in 1821 the Royal Institution for the Advancement of Learning, the trustees for the purposes of the bequest, obtained a Royal Charter (amended in 1852) under which the work of teaching was begun in the Faculties of Arts and Med. in 1829. The Governors are the members of the Royal Institution above mentioned. Their number is limited to 25, and vacancies are filled by nomination

of the remaining members, with the approval of the Visitor. The Govrs., Principal, and 42 Fellows (representing faculties and depts., grads., affild. colls., and other bodies) constitute the Corporation, the highest academical body, which frames regulations. The Peter Redpath Museum was opened in 1882, the Redpath Library in 1893, Royal Victoria Coll. in 1899, the Conservatorium in 1904. Macdonald College was opened in 1907, and in 1911 Sir Wm. Macdonald purchased for the use of the Univ., at a cost of $1,117,640, 25 acres of land, destined for students' residences and athletic grounds. The same year $1,550,000 was raised for the Univ. chiefly from Montreal citizens. Sir Wm. Macdonald bequeathed nearly $2,000,000, of which $500,000 was for the Medical Faculty and $300,000 for the Conservatorium. In 1918 the Carnegie Corporation, New York, gave $1,000,000 in recognition of McGill's service and sacrifice in the Great War. In 1920 the sum of $1,000,000 was given by the Rockefeller Foundation for the Faculty of Medicine; $1,000,000 by the Provincial Govt. for general purposes; and $4,400,000 was raised from the graduates and the citizens of Montreal as a general endowment. Income from Investments, about $1,000,000.

SPECIAL FEATURES. The provision for instruction and research in Applied Science is exceptionally ample, especially in Engin. in all its branches. The Med. School also is exceptionally strong.

LIBRARIES, 242,000 vols. (Medical, 38,000; large Ophth. Dept.) and 31,000 pamphlets; Peter Redpath collection of 10,000 political and religious tracts dating from A.D. 1600; E. S. Wood Library of Ornithology; Blackader Library of Archit.; Blacker Library of Zool.; Travelling Library. LABORATORIES: Engineering and Chemistry, each accommodating 200 students; Physics; Zool., 100 students, 3 rooms specially fitted up for research; Bot., 43 students; Physiol., 80; Psych. Research; Agric. Research. FARM, Live Stock and Grain, 786 acres. Astron. OBSERVATORY. MEDICAL MUSEUM (Strathcona), said to be the finest in America; rich collection of disturbances of heart and vascular system and aneurisms. HOSPLS. available for clinics, general—800 beds, several special.

FACULTIES. Arts, Law, Medicine (including Pharmacy), Applied Science (Archit., and 6 branches of Engin.—Chem., Civil, Elec., Mech., Metall., Mining), Agric., Dentistry, Music. The Univ. has also Schools of Commerce, Physical Educn., Graduate Nurses, Social Service, a Graduate School, and (in Macdonald Coll.) Household Science and a School for Teachers.

ADMISSION. For candidates in Great Britain an examn. is held in London in June: particulars obtainable from W. A. Bulkeley Evans, M.A., 5 Paper Buildings, Temple, London, E.C.4.

DEGREE COURSES. 3 yrs.—B.C.L., Mus.Bac.; 4 yrs.—B.Com., B.A., B.Sc., B.S.A., B.H.S. (Household Science), D.D.S.; 5 yrs.—B.Arch., M.D., C.M.

B.A. or B.Sc. (Arts) course combined with B.Com., 5 yrs.; with Appl. Sc. or Theol., 6; Med., 8.

Med. students of 4 yrs.' standing of an approved institution may be admitted to the final examn. after one full session in McG. Recent grads. of approved Univs. may qualify for examns. by advanced courses or special research.

HIGHER DEGREES. Obtainable by 1 yr. of resident graduate study at McGill, thesis and examn.—M.A., M.Sc., M.S.A.; by 3 yrs. of graduate study —Ph.D.; by valuable contribution to legal science—D.C.L.; by a composition and examn. not less than 3 yrs. after taking the Mus.Bac.—Mus.Doc.; on recommendation of Board of Grad. studies—D.Sc., D.Litt.

DIPLOMAS. Lic. Mus., D.P.H., Teachers', Pharmacy, Graduate Nurses', Physical Education, Social Science.

ATTENDANCE at lectures at the Univ. or Macdonald or Affiliated Coll. is indispensable.

RECOGNITION by other Univs. v. pp. 110, 283, 292, 293, 325.

FEES. Per annual session, Arts, $125; Appl. Sc., $205; Med., $250; Dent., $210; Law, $155; Music, $180; Commerce, $150; Agriculture, residents of Canada, $50, others, $100; M.A. or Ph.D. course, $60. Graduation fee for M.A. or M.Sc., $20; Ph.D., $30; D.Sc. or D.Litt., $80.

SCHOLARSHIPS FOR GRADUATES. In Econ. and Polit. Sc., Allen Oliver, $650; Canadian Manufrs. Assocn. and the Graduate Working Fellowship, $800 each; Chem., Sterry Hunt; Geol., Le Roy, $700; Mining Research and Teaching Fellowships, 3 of $500 each; Med. Research, especially Obstetrics and Gynæc., A. A. Browne Endowment, $10,000 open to grads. of any recognized Med. school; Path. Research, J. Douglas Endowment, $25,000; any subject, "Delta Upsilon," $750; The Moyse *Travelling Scholarships*, 2 of $1500 each; Law, Macdonald Endowment, $20,000; The New Jersey Zinc Company, $1200.

RESIDENCE. Women, Roy. Vict. Coll.; men, Strathcona Hall (Y.M.C.A.), accommodation for 60. PHYSICAL TRAINING is compulsory, and students are subjected to physical examn. on entering the Univ. Board and residence in Roy. Vict. Coll., $500 per session; in private houses, $60 p.m. and upwards; rooms only, $15 to $20 p.m.

McGill Union dining-room, accommodating 120 students at a time, provides inexpensive meals.

PUBLICATIONS. *Calendar* (June); *Coll. Announcements* (May to July); *Annual Report* (Dec.); *McGill News*, quarterly, by Graduates' Soc.; *McGill Daily*, by students; *Lectures and Addresses*; Catalogue of Scientific Periodicals in Canadian Libraries, 1924, $5; *McGill and its Story*, 1821–1921, by Cyrus Macmillan (London, John Lane; New York, John Lane & Co.; Toronto, Oxford Univ. Press, $3); *A Historical Sketch of the Medical Faculty and of the Origin of McGill University*, by Dr. Maude Abbott.

BENEFACTIONS. Mrs. E. B. Eddy, to found the E. B. Eddy Chair of Industrial Chemistry, $100,000.

NEW BUILDINGS. Reconstruction of the Faculty of Arts Building, $750,000.

TRAVELLING FELLOWSHIPS OR SCHOLARSHIPS. Moyse Travelling Scholarships, $1500 each, awarded to Miss Margaret Pickle, M.A., study in England. E. E. Watson, M.Sc., to study at Cavendish Laboratory, Cambridge, under Sir Ernest Rutherford. Sir William Macdonald Travelling Scholarship in Law for Study in France, John A. Ogilvy, B.C.L., $1200. Allen Oliver Scholarship, J. R. Bogante, B.A., $500.

INTERCHANGE OF STUDENT TEACHERS. Maxwell MacOdrum, M.A., who holds the Teachers' Studentship as arranged by an interchange with the National Committee for the Training of Teachers, Scotland.

WINTER COURSE IN AGRICULTURE. The Winter Course in the Faculty of Agriculture has been extended from one year to two years. This course is intended to provide a general education for boys who intend to farm, and equip them with such a technical knowledge of agriculture as will enable them to

deal with the problems arising in connexion with their work. The work is so arranged that students may choose subjects that definitely relate to the type of farming in which they are most interested.

Closely connected with this extension is the " old country boy " project, under which boys from the British Islands are encouraged to take up this diploma course at Macdonald College so as to fit them for the work of farming, and every effort is made, not only to give them the theoretical education that is needed, but also the practical. Since this plan was put into effect a year or two ago forty-three boys, representing thirty English public and secondary schools, have been placed on selected farms.

APPOINTMENTS. E. R. Adair, B.A. (Cantab.), to be Assoc. Prof. of History. H. Hibbert, Ph.D., D.Sc., to be Prof. of Industrial and Cellulose Chemistry. A. S. Noad, M.A., to be Lectr. in English. T. R. Parsons, B.Sc. (Lond.), M.A. (Camb.), to be Asst. Prof. of Medical Research (Bio-Physics). C. W. Stanley, B.A. (Oxon), to be Assoc. Prof. of Greek.

PROMOTIONS AND CHANGES OF TITLE. G. J. Browne, B.A., M.D., from Demr. in Medicine to Lectr. in Medicine. H. D. Brunt, Ph.D., from Asst. Prof. of English to Assoc. Prof. of English (Macdonald College). C. H. Carruthers, M.A., from Asst. Prof. of Classics to Assoc. Prof. of Classics. G. J. Dodd, B.Sc., from Lectr. in Maths. to Asst. Prof. of Maths. R. E. Jamieson, B.Sc., from Lectr. in Maths. to Asst. Prof. of Maths. E. T. Lambert, B.A. (Lond.), from Asst. Prof. of German to Assoc. Prof. of German. R. R. Thompson, A.M.C.A., from Asst. Prof. of Accountancy to Assoc. Prof. of Accountancy. W. T. Waugh, from Assoc. Prof. of History to Prof. of History and Chairman of the Dept.

DEATHS. G. S. Mundie, B.A., M.D., Lectr. in Psychiatry. L. A. Herdt, E.E., D.Sc., F.R.S.C., Prof. of Elec. Engineering.

RESIGNATIONS. F. W. Baxter, B.A., Asst. Prof. of English, to accept a position in Leeds University. Warner E. Gettys, A.B., Ph.D. (Ohio State Univ.), Asst. Prof. of Sociology, to be Hd. of the Dept. of Sociology at the University of Texas.

The Honorary Degree of Doctor of Laws was conferred on the following: Rt. Hon. Baron Dawson of Penn, G.C.V.O., K.C.M.G., C.B.; the Duchess of Atholl, M.P., Parliamentary Under-Secretary to the Board of Education; André Honnorat; Sir Alexander Frederick Whyte, Kt.; Charles Sanderson Fosbery, M.A.; the Ven. Archdeacon John Paterson Smyth; Rev. George Penrose Woollcombe; Sir Esmé Howard, British Ambassador at Washington.

STUDENTS. *Full-time*: total, 2177 (including 364 women); graduates, 123 (w. 23); preparing for first degree in Arts or Pure Science, 875 (w. 291); Medicine, 486 (w. 19); Law, 72 (w. 2), Applied Science, 329, Dentistry, 82 (w. 1); other full-time students, 244 (w. 31). Resident in hostels, 83 (w.). *Part-time*: total, 148 (w. 121).

DEGREES OBTAINED. B.A., 85 (w. 34); B.Sc., 104 (w. 9); B.Com., 6 (w. 1); B.C.L., 18; LL.B., 2; M.D., C.M., 97 (w. 2); D.D.S., 23 (w. 1); B.S.A., 12 (w. 1); M.S.A., 4; M.Sc., 38 (w. 3); M.A., 24 (w. 6); B.Arch., 4; Ph.D., 7 (w. 2); Mus.Bac., 2; B.H.S., 1 (w.).

McMASTER UNIVERSITY, TORONTO

CHANCELLOR AND PRINCIPAL—HOWARD P. WHIDDEN, B.A. Acadia, D.D. Dennison, LL.D.

REGISTRAR AND TREASURER—E. J. BENGOUGH, B.A.

LIBRARIAN—DOROTHEA M. HALLFORD, B.A.

PROFESSORS, LECTURERS, ETC.

Biology [Prof.
Smith, R. W., B.A., Ph.D. Chic.
Gaiser, Miss L. O., M.A. West Ont. Lectr.

Chemistry
Walker, W. O., M.A. Tor. Prof.

English [Prof.
McLay, W. S. W., M.A. Harv., D.Litt. Ac., LL.D. Queen's
Haddow, G. C., M.A. Tor. Lectr.

French
Briquet, P. E., B.A., Lic. Litt. Geneva and Paris Prof.

Geology
McNairn, W. H., M.A. Tor., Ph.D. Tor. Prof.

German
Mueller, P. W., B.A. Tor. Prof.

Greek [Lectr.
Gwatkin, W. E., M.A. Princ.

History
New, C. W., B.A. Tor., B.D., Ph.D. Chic. Prof.

Latin
Stevenson, J., B.A. Camb. Lectr.

Mathematics [Prof.
Findlay, W., M.A., Ph.D. Chic.
Fitch, Miss M. A. Instr.

Philosophy, Psychology, Logic, and Ethics
Ten Broeke, J., M.A. Middlebury, Ph.D. Yale Prof.

Physics
Dawes, H. F., M.A. Tor., Ph.D. Tor. Prof.

Political Economy and Sociology
Michell, H., M.A. Ox. Prof.
Taylor, K. W., M.A. Chic., B.A. Lectr.

Public Reading and Speaking
Kirkpatrick, F. H., Ph.D. Spl. Lectr.

Theology

Christian Ethics, Education, and Sociology
McCrimmon, A. L., M.A. Tor., LL.D. Prof.

Church History and Missions
Brown, J. G., M.A., D.D. Prof.

Homiletics and Pastoral Theol.
Marshall, L. H., B.A., B.D. Lond. Prof.

New Test. and Patristic Greek
Farmer, J. H., B.A. Tor., LL.D. Prof.

Old Test., Hebrew and Aramaic
Parker, N. H., B.S., Th.M., Mississippi Coll. and Southern Bapt. Seminary Lectr.

Preliminary Course
Morgan, J., M.A. Tor. Spl. Lectr.

System. Theol. and Apologetics
..... Prof.

AFFILIATED COLLEGE

BRANDON COLLEGE, Brandon, Man., controlled by Baptist Union of W. Canada. Affild. for courses in Arts. President, D. Bovington, M.A., D.D. Professors in Arts Dept.: New Test., Greek—H. L. MacNeill, Ph.D., LL.D., Dean of Arts; French—Jennie M. Turnbull, M.A., Dean of Women; Geology and Biology—J. R. C. Evans, Ph.D.; Old Test., Hebrew and Swedish—C. H. Lager, M.A., B.D.; History—T. Dadson, M.A.; Polit. Econ.—W. B. Hurd, M.A.; Philos.—C. F. Richards, B.Sc., B.D.; English—Ella A. Whitmore, M.A.

GENERAL INFORMATION (v. also p. 340)

In 1887 Toronto Baptist College and Woodstock College, Woodstock, were united under the name of McMaster University, and their already existing endowments were increased by $900,000, received under the will of the Hon. Wm. McMaster. The Board of Governors (16) are elected by the Baptist Convention of Ontario and Quebec. There is no religious test for entrance, but the Profs. and Lectrs. must be members of some evangelical church. Woodstock Coll. and Moulton Ladies' Coll., Toronto (founded in 1888), are represented on the Senate.

LIBRARY, 26,000 vols. LABORATORIES: Phys., Biol., Chem., Mineral. Science Hall has 24 lecture rooms and labs.

DEGREE COURSES. 4 or 5 yrs., B.A.; 3 yrs. (after completing 2 yrs. of Arts course), B.Th.; 6 yrs., combined B.A. and B.Th. The first 2 yrs. in Arts do not necessarily involve attendance at lectures. Brandon Coll. provides instruction in Swedish for immigrants from that country.

The B.A. degree is recognized by the Univ. of London; v. p. 110.

HIGHER DEGREES. Open to B.A. after 1-yr. course (attendance at lectures not required)—M.A.; to B.Th. who are also B.A. and have taken 3 yrs. in Hebrew, involving 1 yr. of study after graduating as B.Th.—B.D.

DIPLOMA. English Theol., 3 yrs.' course.

CERTIFICATE. Missionary Training for women.

ADULT EDUCATION. For adults who have not the necessary foundation for admission to the English Theol. or Women's Missionary course, a year of literary and biblical work qualifying for such admission is provided.

FEES. Annually, for tuition, examn., library—Arts, $75, Theol., $20. For student organizations, athletics, etc., men, $7, women, $9.

RESIDENCE. Board and room per session, men, in McMaster Hall, $240; women, in Wallingford Hall, $9 a week.

PUBLICATIONS. *Calendar* (June); *McMaster Monthly* (students' magazine); *McMaster Graduate* (pub. by Alumni Assn.), three times a year.

THE YEAR 1925–26. *Retirements*: P. S. Campbell, E. M. Keirstead. *Resignation*: M. C. Welch. *Students*: Full-time, preparing for first degree, 276 (including 100 women); graduates, 48 (w. 9). Resident in hostels, 112 (w. 29). Occasional students, 58 (w. 15). Taking courses not of Univ. standard, 46 (w. 11). *Degrees*: B.A. 50 (w. 19), and 22 at Brandon College; M.A. 6; B.Th. 5.

UNIVERSITY OF MANITOBA, WINNIPEG

VISITOR—THE LIEUT.-GOVERNOR OF THE PROVINCE.

CHAIRMAN OF THE BOARD OF GOVERNORS—JOHN A. MACHRAY, M.A., LL.B., K.C.

CHANCELLOR—Most Rev. S. P. MATHESON, D.D., D.C.L., Archbishop of Rupert's Land.

VICE-CHANCELLOR—Rt. Rev. Mgr. A. A. CHERRIER, LL.D.

PRESIDENT—JAMES A. MACLEAN, Ph.D., LL.D.

REGISTRAR AND SECRETARY OF BOARD OF GOVERNORS—W. J. SPENCE, B.A.

LIBRARIAN—F. E. NUTTALL, M.A.

DEAN OF WOMEN—URSILLA N. MACDONNELL, M.A., Ph.D.

PROFESSORS, LECTURERS, ETC.

Agriculture, v. *infra*

Anatomy, v. also Med.-Surg.

Grant, J. C. B., M.B., Ch.B., F.R.C.S. Edin. Prof.

Jones, Tudor, M.B., Ch.B. Glas. Asst. Prof.

Jackson, J. J., M.A. (Alta.), M.B. Tor Lectr.

Isaacs, H. D., M.D. Demr.

M'Kenty, J., B.A., M.D. Demr.

Grieve, H. G., M.D. Demr.

4 Student Demrs.

Architecture

Stoughton, A. A., Ph.B. Col. Prof.

Bio-Chemistry

Cameron, A. T., M.A., B.Sc. Edin., F.I.C. Prof.

White, F. D., Ph.D. Edin., F.I.C. Lectr.

M'Cullagh, D. R., M.Sc. Demr.

Botany

Buller, A. H. R., B.Sc. Lond., D.Sc. Birm., Ph.D. Leip., LL.D. Prof.

Roberts, H. F., B.A. Kans., LL.B. N.-Wstn., M.Sc. Kans. (Agr.) Asst. Prof.

Lowe, C. W., M.Sc. Birm. Lectr.

Newton, Dorothy, Ph.D. McG. Lectr.

1 Demr. and 3 Student Assts.

Chemistry

Parker, M. A., B.Sc. Glas., LL.D., F.I.C. Prof.

Armes, H. P., B.Sc. Leeds, Ph.D. Stras. Asst. Prof,

Shipley, J. W., M.A., Ph.D. Harv. Asst. Prof.

Hiebert, P. G., M.A. Tor., M.Sc., Ph.D. McG. Lectr.

1 Asst., 3 Demrs., and 2 Student Assts.

Classics [Prof.

Clark, F. W., Ph.D. Chic., B.A.

Hugill, W. M., B.A. Tor. Asst. Prof.

Johnson, S., M.A. Asst. Prof.

Engineering, Civil

Finlayson, J. N., M.Sc. McG., M.E.I. Can. Prof.

Moffatt, R. W., B.A.Sc. Tor., A.M.E.I. Can. Asst. Prof.

Macdonald, A. E., M.Sc. McG. Asst. Prof.

Herriot, G. H., B.Sc. Qu., D.L.S., M.E.I.C. Asst. Prof.
Scott, W. M., B.A.Sc. McG., M.E.I.C. Lectr.
Riddell, W. F., B.Sc. (C.E.) Lectr.
3 Demrs.

Engineering, Electrical
Fetherstonhaugh, E. P., B.Sc. McG., M.E.I.C., A.M.A.I.E.E. Dean of Fac. Prof.
Dorsey, J. W., E.E. Lehigh, A.M.E.I.C. Asst. Prof.
1 Demr.

Engineering, Mechanical
Hall, N. M., O.B.E., B.Sc. McG., M.E.I.C. Asst. Prof.

English
Crawford, A. W., M.A. Tor., Ph.D. Corn. Prof.
Perry, A. J., M.A. Yale Asst. Prof.
Allison, W. T., M.A. Tor., Ph.D. Yale Asst. Prof.
Woodhouse, A S. P., B.A. Tor., A.M. Harv. Asst. Prof.
Argue, R. F., M.A. Lectr.
Thompson, D. W., A.B. Dickinson, A.M. Harv. Lectr.

French
Osborne, W. F., M.A. Tor. Prof.
Evans, W. D., M.A. Tor. Asst. Prof.
Ballu, Céline A., B.A. Wisc. Lectr.
Haynaud, A. Marie, B.A. Qu. Lectr.
Richard, M. E. J., B.A. Alta.

Geology and Mineralogy
Wallace, R. C., M.A., D.Sc. Edin., Ph.D. Gött., F.G.S. Prof.
De Lury, J. S., B.A. Tor., Ph.D. Minn., M.A.I.M.E. Asst. Prof.
Fraser, H. J., B.Sc. Asst.
5 Student Assts.

German
Heinzelmann, J. H., B.A. Ill., Ph.D. Chic. Prof.
Jones, Mrs. Anna C. A. Asst.

History
Martin, C. B., M.A. N. Bruns., M.A., B.Litt. Ox. Prof.
Harvey, D. C., B.A. Dal., M.A. Ox. Prof.
Howe, J. E., B.A. Yale, M.A. Acad. Lectr.
MacDonnell, Mrs. U. N., M.A., Ph.D. Qu. Lectr.

Law, v. *infra*—Affiliated Colleges

Mathematics
MacLean, N. B., M.A. Tor., Ph.D. Chic. Prof.
Wilson, N. R., M.A. Tor., Ph.D. Chic. Prof.
Warren, L. A. H., M.A. Qu., Ph.D. Chic., F.R.A.S. Asst. Prof.
Tier, W., M.A. Tor., Dean of Fac. of Arts Asst. Prof.
Harkin, D. C., A.M. West Virginia Lectr.

Pharmacy [Prof.
Bletcher, H. E., B.Sc. (Phar.)
M'Dougall, D., M.Sc. Lectr.

Philosophy
Lodge, R. C., M.A. Ox. Prof.
Wright, H. W., B.A., Ph.D. Corn. Prof.

Physics [Prof.
Allen, Frank, M.A. N. Bruns. & Corn., Ph.D. Corn., LL.D.
McClung, R. K., B.A. Camb., M.A., D.Sc. McG. Asst. Prof.
Young, J. F. T., M.A. Tor., Ph.D. Tor. Asst. Prof.
4 Demrs. and 2 Student Assts.

Physiology, v. Medicine

Political Economy
Clark, A. B., M.A. Edin. Prof.
Jones, R. F., M.A. Liv. Asst. Prof.
Waines, W. J., M.A. Asst.

Zoology
O'Donoghue, C. H., D.Sc. Lond., F.Z.S. Prof.
Riley, C. F. C., M.A. Doane, B.S. Mich., M.S. Ill. Asst. Prof.

Neave, F., B.Sc. Manc. Lectr.
2 Demrs. and 1 Student Asst.

Agriculture

[at Manitoba Agricultural College]

McKillican, W. C., B.S.A. Tor. Dean.

Agricultural Engineering
Shanks, G. L., B.S.A. Prof.

Animal Husbandry
Wood, G. W., B.S.A. McG. Prof.
Brown, J. M., B.S.A. Tor. Asst. Prof.
Sommerfeld, H. B., M.S. Wisc., B.S.A. Asst. Prof.

Animal Pathology
Savage, Alfred, B.S.A. McG., D.V.M. (Corn.) Prof.

Bacteriology
Lee, C. H., M.A. Tor. Prof.

Biology
Jackson, V. W., B.A. Qu., M.S. Minn. Prof.

Chemistry
Geddes, W. F., B.S.A., M.A. Tor. Prof. (Agr. Chem.).
Munro, L. A., M.A. Dal., Ph.D. McG. Asst. Prof.

Clothing and Textiles
Groff, Clara Louise, B.S. Col. Lectr.
McFadden, Eleanor G., B.S. Iowa Lectr.

Dairy Husbandry
Brown, R. W., B.S.A. Tor. Prof.
James, N., B.S.A. Tor., M.S. Iowa. Asst. Prof.

Education [Lectr.
Moxon, Mary C., Ph.B. Chic.

Economics, Rural [Asst. Prof.
Grant, H. C., B.S.A., M.A.

English
Sproule, G. A., B.A. Tor. Prof.
Hopper, C. R., M.A. Asst. Prof.

Entomology
Mitchener, A. V., B.A. McM., B.S.A. Tor. Asst. Prof.

Field Husbandry
Harrison, T. J., M.S. Minn., B.S.A. Prof.
Southworth, W., B.S.A. Tor., M.S.A. Corn., F.L.S. Prof.
Ellis, J. H., B.S.A. Asst. Prof.
Wiener, W. T. G., B.S.A. Asst. Prof.

Home Economics
Duncan, Mrs. L. C., Ph.B. Chic., M.A. Director.

Horticulture and Forestry
Brodrick, F. W., B.S.A. Tor. Prof.

Household Art
South, Mrs. Jean Lectr.

Nutrition [Asst. Prof.
Hiltz, Mary C., B.S. Col.

Physical Education
Youmans, R. W. Director.

Physics
Lee, S. C., M.A. Tor. Prof.
Thomson, W. A., B.S.A. Sask. Lectr. (Phys. and Maths.).

Plant Pathology
Bisby, G. R., B.S. So. Dak., M.A. Col., Ph.D. Minn. Prof.

Poultry Husbandry
Herner, M. C., B.S.A. Tor. Prof.
Hutt, F. B., B.S.A. Tor., M.S. Wisc. Lectr.

Rural Sociology and Civics
Murchie, R. W., M.A. Glas. Asst. Prof.

7 Instrs. and an extension service staff of 7.

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

Bacteriology and Hygiene
Douglas, A. J., B.A., M.D., C.M. (Hygiene) Prof.
Cadham, F. T., B.A., M.D. (B. and Serology) Assoc. Prof.

Fraser, M. S., B.A., M.D., C.M. (Hygiene) Lectr.
McCowan, W. P., B.A., M.B. Lectr. (Bact.).
2 Demrs.

Gynæcology
Mackay, D. S., O.B.E., M.D., C.M., F.R.C.S. Edin., F.A.C.S. Prof.
Pullar, J., B.A., M.D., C.M. Assoc. Prof.
McQueen, J. D., D.S.O., M.D., C.M., F.A.C.S. Lectr. in G. and Assoc. Prof. of *Obstetrics*.
M'Kinnon, F. L., M.C., B.A., M.D., F.A.C.S. Lectr.
Gorrell, J. A., B.A., M.D., C.M. Lectr.

Hygiene, v. Bacteriology

Laryngology and Otology
Prowse, S. W., B.A., M.D. Edin., F.R.C.S. Edin., F.A.C.S., Dean of Fac. Prof.
Fletcher, G. W., M.D., F.A.C.S. Assoc. Prof.
Leishman, A., M.D. Assoc. Prof.
Washington, E. J., M.D. Assoc. Prof.
2 Demrs. in Otology.

Medicine and Clinical Medicine
Montgomery, E. W., M.A., M.D., C.M., F.A.C.P. Prof. of Clin. Med.

Assoc. Profs. of Med. :
Burridge, A. J., M.D., F.A.C.P. (Therap.).
Davidson, J. R., B.A., M.D., C.M.
Hunter, C., M.A., M.D., M.R.C.P. Lond. (Therap.).
Hart, F., M.D., C.M., M.R.C.S., L.R.C.P.
Rogers, W., B.A., M.D., C.M., F.A.C.P.
Gilmour, C. R., M.D., C.M.
Moorhead, E. S., M.B., B.Ch. Dub.
Young, F. A., O.B.E., B.A., M.B., F.A.C.P.
Chestnut, W., M.D., C.M.
Moody, A. W., M.D., C.M., F.A.C.P.
Stewart, D. A., B.A., M.D.
Mathers, A. T., M.D., C.M. (Psychiatry).

Asst. Profs. of Med. :
Alexander, A. B., B.A., M.D.
Ferguson, R. G., B.A., M.D.
Warner, N. W., M.D.
Adamson, J. D., M.D.
Mackay, H., M.D., C.M. (Dermatology)

Lectrs. in Med. :
Benner, F., M.D., C.M.
Campbell, S., C.M.G., M.D.
Murdoff, H. M., M.D., F.A.C.P.
Macdonald, D. A., M.D.
Olson, B. H., B.A., M.D.
McMillan, J. C., M.D., F.A.C.P. Lectr. in Roentgenology and Electro-therapy.
Davidson, A. M., M.D. (Dermatology)
Dey, W. F., M.B.
Swan, R. R., M.B., Ch.B.
Walker, S. B., M.R.C.P. and S. (Eng.), L.R.C.P. (Lond.)
Hossack, J. C., M.D., C.M.
Kitchen, H. D., M.M., M.D., C.M.
Smith, F. A., M.D.
Turner, F. M., M.D.
11 Demrs.

Medical Jurisprudence
Cameron, H. M., B.A., M.D. Lectr.

Obstetrics, v. also Gyn.
Bjornson, O., M.D., C.M., F.A.C.S. Assoc. Prof.
McQueen, J. D., D.S.O., M.D., C.M., F.A.C.S. Assoc. Prof.
Mitchell, R. B., B.A., M.D., C.M., F.A.C.S. Assoc. Prof.

Lectrs. in Clin. Obstet. :
Coulter, J. E., M.D., C.M., F.A.C.S.
Campbell, W. G., M.D., C.M.
Abbott, W. F., M.C., B.A., M.D., C.M.

Allum, A. W., M.D.
McGuinness, F. G., M.D.
Arthur, C. L. T., M.D.

Ophthalmology
Smith, W. H., M.A., M.D., C.M., F.A.C.S. Prof.
Bell, T. H., M.C., M.D., C.M., F.A.C.S. Assoc. Prof.
Bell, P. G., B.A., M.D., F.A.C.S. Assoc. Prof.
Stefansson, J., M.D. Lectr.

Pathology
Boyd, W., M.D., M.R.C.P. Edin., Dipl. Psych. Prof.
Nicholson, D., M.D., C.M., M.R.C.P. Lond. Asst. Prof.

Pediatrics
Rorke, R. F., M.D., C.M. Assoc. Prof.
MacArthur, C., M.D. Lectr.
4 Clin. Demrs.

Physiology and Pharmacology
Moorhouse, V. H. K., M.C., B.A., M.B. Tor. Prof.
Austmann, K. J., M.A., M.D. Asst. Prof.
Mackersie, W. G., M.B., B.Sc. (Med.) Tor. Lectr.
3 Student Demrs.

Surgery and Clinical Surgery
Brandson, B. J., B.A., M.D., C.M., F.A.C.S. Prof.
Waugh, O. S., M.D., C.M., F.A.C.S. Asst. Director.

Assoc. Profs. of Clin. Surg.:
Campbell, A. M., B.A., M.D., C.M.
Fletcher, R. D., M.A., M.D., C.M., F.A.C.S. (Urology).
Galloway, H. P. H., M.D., C.M., F.A.C.S. (Orthop.).
Gibson, A., M.B., Ch.B., F.R.C.S., F.A.C.S. (Orthop.; also Lectr. in Applied *Anatomy*).
Gunn, J. A., C.B., O.B.E., B.A., M.D., F.A.C.S.
Lehmann, J. E., M.D., F.A.C.S.
Maclean, N. J., M.D., F.A.C.S.
McKenty, J., M.D., C.M., F.A.C.S.
Webster, W., M.D., C.M. (Anæsthetics).
Elkin, S. J., M.D., C.M.

Lectrs. in Clin. Surg.:
Gardner, W. A., B.A., M.D., C.M., F.A.C.S. (Orthop.).
Hamilton, T. G., M.D., F.A.C.S.
Mann, W. L., B.A., M.D., C.M.
McIvor, N. K., M.D., F.A.C.S.
Musgrove, W. W., M.D., C.M., F.A.C.S.
Murray, A. A., M.D., F.A.C.S. (Orthop.).
Boardman, E. J., M.D. (Urology).
Aikenhead, D. C., M.D.

Lectrs. in Surg.:
McEachern, J. D., M.D.
McIntyre, D. F., M.D., F.A.C.S.
Fahrni, G. S., M.D., C.M., F.A.C.S.
Burns, C. W., B.A., M.D., C.M.
Secord, W. H., M.D., C.M.
6 Demrs. in Clin. Surg.

Therapeutics, v. Medicine

AFFILIATED COLLEGES represented on the Council, the first four having power to confer degrees in Divinity:

ST. BONIFACE COLLEGE, St. Boniface (R.C.). Rector—Rev. J. P. Desjardins, S.J. (Building destroyed by fire, Nov. 25, 1922.)

ST. JOHN'S COLLEGE, Winnipeg (C. of E.). Warden—Rev. G. A. Wells, C.M.G., M.A.; Registrar—W. Burman, B.A.

MANITOBA COLLEGE, Winnipeg (United Ch. in Canada). Principal—John MacKay, M.A., D.D.; Registrar—Prof. J. Dick Fleming, Ph.D.

WESLEY COLLEGE, Winnipeg (United Ch. in Canada). Principal—J. H. Riddell, D.D., LL.D.; Registrar—A. Stewart Cummings, B.A.

MANITOBA LAW SCHOOL, Winnipeg. Chairman of Trustees—Hon. H. A. Robson, LL.D.; Dean—J. T. Thorson, B.A. Ox., LL.B.; Recorder—R. J. Russell.

GENERAL INFORMATION (v. also p. 340)

Established in 1877 mainly as an examining and degree-conferring body, the Univ. was in 1900 empowered to give instruction. In 1917 a Board of Governors, appointed by the Lieut.-Govr., was constituted, and the functions of the Univ. Council, until then the governing body and composed largely of representatives of the affiliated Colleges, were limited to general charge of the academic work. The Univ. has the sole power of conferring degrees in Arts, Science, Law, Med., Engin., Pharmacy, Agric., and Archit. in the province. It received in 1898 from the Dominion Govt. a land grant of 150,000 acres.

Winnipeg, the capital of Manitoba, with its environs, including the neighbouring city of St. Boniface, has a population of over 270,000. Most of the university buildings at present occupy a site in the heart of the city. The Agricultural College is at Fort Garry, 7 miles distant.

LIBRARY, 40,000 vols.; 450 periodicals received. In the Medical building is housed the library, 2000 vols. of the Manitoba C.P.S. The Agric. College has a library of 6700 volumes, and receives 142 periodicals. LABORATORIES: Anat., Bact., Bot., Chem., Engin. (Material testing—200,000 lbs., Cement, Elec.), Geol. and Mineral., Path., Physics, Physiol., Zool. MUSEUMS: Anat., Embry., Bot., Geol., Path. HOSPITALS available for clinics: 2 general (1000 beds) and several special, including tuberculosis. FARM on Agric. College estate (676 acres).

FACULTIES. (1) An Arts and Science Faculty providing instruction in all subjects of undergraduate courses in Arts (except 5 options), Science, and Phm. (2) Medicine. (3) Engineering and Archit. (4) Agriculture and Home Economics. 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.

MATRICULATION examns. are conducted in June by the Provincial Educ. Dept. and in Sept. by the Univ. Matricn. examn. subjects for Arts or Science courses are English, Hist., Maths., Latin or Greek or French or German; a second language or 2 of the following—Physics, Chem., Genl. Science I., Genl. Science II.; a third language or 2 sciences not already taken, or 1 science not already taken with Home Econ. or Indust. Arts or Music or Agric. or Comml. work. Exemption is allowed from examination for Matriculation standing 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. Entrance requirements for Medicine are clear standing of two pre-medical years in Arts and Science; for Law standing of 2nd year in Arts, with Latin to the end, at least, of the 1st yr.; and for Engineering standing of one pre-engineering year in Arts and Science. Members of any British or approved Univ. may be admitted *ad eundem statum* or *gradum* without Entrance examn.

DEGREE COURSES. 4 yrs.—B.A., B.Sc., B.Sc. (C.E. or E.E.), B.Sc. (Phar.), B.Arch.; 3 yrs., following 2nd yr. in Arts or its equivalent—LL.B.; 5 yrs., following 2 pre-medical yrs.—M.D.; 5 yrs.—B.A. (Hons.), B.Sc. (Hons.), B.S.A., B.Sc. (H.Ec.). Graduates in Med. of at least 2 yrs.' standing with certain prescribed training and experience may obtain C.M. on passing written, oral, and practical examn., and presenting a satisfactory thesis.

ATTENDANCE at lectures is obligatory for all except extra-mural students. Extra-mural students may not take courses in Med., Sc., Arch., or Engin., or any course in Arts involving oral, practical, or lab. work, nor may they appear at examns. without permission of the Bd. of Studies. Extra-mural registration in Arts is limited to students resident in Manitoba, and a minimum of 1 yr.'s attendance at this or another approved Univ. is exacted before the B.A. is conferred.

A UNIT SYSTEM has been adopted in the Arts and Science Faculty, the unit being " a body of work to which is assigned for instructional purposes one hour of lecture or other class-room exercise per week or one continuous laboratory period of 2 or 3 hours per week, throughout an entire session, or the equivalent." 40 units of credit in the " Junior Division " (work normally done in first two sessions) and 32 in the Senior Pass Division (for Honours, 48 in the Senior Honours Division) are required for the degree. For the B.A.—English (2 yrs.), a foreign language (2 yrs.), Maths (1 yr.), and History (1 yr.) 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 pass B.A. of Man., or an equivalent degree, must first obtain 16 units of credit in Honours Courses. A thesis is required as well as examn.

The M.Sc. requirements are at least one yr's. grad. work in one or more of the Sc. depts. of the Univ. (incl. Maths.) or in the dept. of Civil Engin. or that of Elect. Engin., an examn. and a thesis. Candidates for the M.Sc. possessing the pass B.Sc. of Man., or an equivalent degree, must first obtain 16 units of credit in Honours Courses. While taking the LL.B. course a student may simultaneously obtain the Law Society's qualification for practice. An extra-mural course in Law may be taken by students residing in Manitoba elsewhere than in Winnipeg or environs, and by graduates in Arts of an approved Univ. residing elsewhere. The LL.D. is honorary.

In the B.Sc. Engineering courses summer work and thesis relating thereto are required.

2 yrs.' service in an Architect's office following graduation (B.Arch.) will qualify for licence to practise.

DIPLOMAS. Pharmaceutical Chemistry (2 yrs.' course); Agriculture (3 yrs.). In *Dentistry* the Univ. is the sole examining body in the province. The Univ. conducts examns. for admission to the Man. Assocn. of Graduate *Nurses*, to the practice of *Accountancy* and membership of the Inst. C.A. of Manitoba, to the practice of *Architecture* and membership of the Man. Association of Archts.; also qualifying examns. for the Man. Civil Service.

FEES. Tuition and examn. in Arts and Sc., $80 p.a.; Engin. and Arch., $110; Phm. Dipl. course, $90; Degree course (4 yrs.), $80, $90, $90, $90; Med., 1st, 2nd, 3rd, and 4th yrs., $185, 5th yr., $60; Law, $108. Licence to practise Med., $100. Agr. Dipl. course, $38; Degree course, $38 (1st and 2nd yrs.) and $63 (3rd, 4th and 5th yrs.); Home Economics, Degree course, $38, $38, $48, $48, $48.

SCHOLARSHIPS for graduates: 2 Travelling Fellowships, each $500, offered each yr.: one to a graduate in Arts, and, in alternate years, one in Science and one in Engineering, tenable at some other seat of learning; Fellowship, $500 awarded annually in Hist. and Pol. Sc.; Research Fellowship, $1500 annually in Sc.

RESIDENCE. Hostels at all affiliated Arts Colls. and Agr. Coll.

INTERCHANGE of teachers for a few days and conference annually with Univs. of N. Dakota, Sask., and Alberta.

UNIVERSITY EXTENSION. (1) Winter Evening Business courses in Acctcy., Comml. Law, Business English, Life Insurance, etc., given partly by members of regular Univ. staff. (2) Short courses of lectures, conferences, and class work for Retail Merchants, at Winnipeg and Brandon. (3) Short courses in Med. and Surg. for practitioners. (4) Popular lectures in numerous centres. (5) Radio popular lectures, weekly. (6) Course for Public Health nurses. (7) Summer School. (8) A 2 weeks' Rural Leaders' course at Man. Agric. Coll., also a number of short courses in Agric. Eng., Marketing, Hort., Beekeeping, Dairying, etc.

PUBLICATIONS. *Calendars* (July), Matricn., and the several faculties, free; *Manitoban* (students' paper), weekly; *Annual Report; Historical Notes* (1877–1917); *Inaugural and Convocation Addresses*; *List of Faculty Publications*; *The History and Present Position of the University Site Question* (by Isaac Pitblado).

THE YEAR 1925–26

FEES were increased in Arts and Science, Engineering and Architecture, and Medicine.

TRAVELLING FELLOWSHIP in Arts was awarded to Jean C. Fraser, B.A., who continued studies at Radcliffe College, Mass.; in Science to G. M. Brownell, M.Sc., who continued studies at Univ. of Minnesota.

RETIREMENTS. Jasper Halpenny, D. H. McCalman, R. M. Simpson. RESIGNATIONS: F. S. Nowlan, Asst. Prof. of Maths., to accept Professorship at Univ. of British Columbia, succeeded by D. C. Harkin, from West Virginia; H. L. Tracy, Asst. Prof. of Classics, to accept Professorship at Queen's Univ., succeeded by S. Johnson, of Wesley College; D. O. Evans, Asst. Prof. of French, succeeded by W. D. Evans, from Toronto; R. T. McGibbon, Asst. Prof. of Anatomy, to accept Professorship at Univ. of Saskatchewan, succeeded by Tudor Jones, from Glasgow; D. Wheeler, Lectr. in Anatomy, succeeded by J. J. Jackson, from Toronto; E. L. Norton. DEATH: W. E. Cutler (Aug. 30, 1925).

HONORARY DEGREES. *LL.D.*—J. W. Dafoe, Alexr. McIntyre, Isaac Pitblado.

STUDENTS. Full-time: total, 2071 (including 652 women); graduates 7 (w. 1); preparing for first degree in Arts or Pure Science, 1275 (w. 506), Med. 261 (w. 14), Law 55, Engin. and Archit. 174, Pharm. 32 (w. 1), Agric. and Home Economics, 277 (w. 134). Resident in hostels, 437 (w. 180). Part-time: total, 27 (w. 13); preparing for first degree, 10 (w. 1); occasional, 17 (w. 12). Summer School (Arts and Science, Matricn., Professional courses for teachers), 610; extension courses, 901; extra-mural classes in Arts and Science, 308 (w. 111); in Law, 4; post-grad. courses in Medicine, 11.

DEGREES OBTAINED. B.A., 189 (w. 103); B.Sc., 25; B.Sc. (Med.), 1 (w.); B.H.Ec., 1 (w.); B.Sc. (H.Ec.), 11 (w.); B.Sc. (C.E.), 18; B.Sc. (E.E.), 13; B.S.A., 11; B.Arch., 3; LL.B., 18; M.D., 53 (w. 2); M.A., 19 (w. 4); M.Sc., 6. Diplomas in Agr., 8; H.Ec., 14; Pharm., 14.

MONTREAL UNIVERSITY

PATRON—S.E. Cardinal G. VAN ROSSUM.

CHANCELLOR—S.G. Mgr. P. BRUCHÉSI, D.Th., Archbishop of Montreal; ACTING—S.G. Mgr. GEORGES GAUTHIER, Archbishop of Tarona, Apostolic Administrator, O. L. d'H.

RECTOR—Mgr. V.-JOSEPH PIETTE, P.A.

PRESIDENT—Sir LOMER GOUIN, LL.D., K.C.M.G., C. L. d'H.

PRESIDENT OF THE EXECUTIVE COMMITTEE—Hon. F. L. BÉIQUE, LL.D., O. L. d'H.

VICE-RECTOR—Canon E. CHARTIER, M. ès A., L. ès L., D.Ph.

SECRETARY-GENERAL—E. MONTPETIT, B.A., LL.D., K.C., D.S.P. Paris, membre de l'Ac. roy. lang. et litt. françaises de Belgique, Chev. O. Léop., chev. L. d'H.

TREASURER—O. ARCHAMBAULT.

LIBRARIAN—A. FAUTEUX, B.A.

PROFESSORS, LECTURERS, ETC.

Agriculture, v. Affiliated Instns.

Anatomy, v. also Med. Histology

Mignault, L. D., M.D. Prof.
Delorme, L. N., M.D. Prof.
Latreille, E., M.D. (A. Path.) Prof.
Virolle, E., M.D. Lectr.

Applied Science, v. Affiliated Instns.

Art, History of

Lagacé, J. B., M.A. Prof.

Biology [Prof.

Dalbis, L. J., D. ès Sc. Paris

Botany

Victorin, Marie, D.Sc. Prof.

Chemistry, v. also Affiliated Instns.

Baril, G. H., M.D. Prof.
Morin, L. J., M.A., L. ès Sc. Paris Prof.*
Nadeau, H., L. ès Sc. Paris Lectr.
Flahaut, J., L. ès Sc. Lille Lectr.
Riou, P. Lectr.

Classics

Chartier, Can. E., M. ès A., L. ès L. Paris Prof.*
Dombrowski, H., Ag. des L. Paris (Prof. of French Lit.) Prof.
Maurice, O., D.Th., L. ès L. Paris Prof.

Commerce, v. Affiliated Instns.

Dental Science

Dubeau, E., D.C.D. Prof.*
Nolin, J., D.C.D. Prof.
Gendreau, J. G. A., D.C.D. Prof.
Duhamel, J. A., M.D. Prof.
Dufresne, G. A. H., M.D. Prof.
10 Profs. agrégés, 8 Clinicians and Demrs.

Economics, v. Social Sciences

Engineering, v. Affiliated Instns.

English Lang. and Lit.

Atherton, W., LL.D. Prof.

French Literature, v. Classics

Geography [Prof.

Tessier-Lavigne, Y., L.Sc. Soc.

Geology, v. also Affiliated Instns.

Mailhot, A., I.C. Prof.

History

Désy, J., LL.L., D.S.P. Paris Prof. of Comml. and Genl. H.

* Dean of the Faculty.

Groulx, L., M.A., D.Th. Prof.
..... Lectr.

Journalism, v. Social Sc.

Mathematics
Beaupré, V. E., B.A., I.C. Prof.
Léveillé, A., B.A. Lond. Prof.

Medicine, v. *infra*

Mineralogy, v. Applied Sc.

Modern Languages
Jasmin, H., D.Ph., D.Th., L.E.S., M.A. Prof.

Music
Letondal, Arthur Prof.
Poirier, Benoît Prof.
Charbonneau, J. N.
Head of Schola Cantorum.

Philosophy
..... Prof.*
Pineault, L., D.Th., D.Ph., M.A. Prof.
Forest, C., Ph.M. Prof.
Gauthier, O., D.Th., Ph.D. Prof.
Jasmin, L.-D., B.A., Ph.D., LL.D. Prof.
Lamarche, A., D.Th., D.Ph. Prof.
Vanier, G., B.A., LL.L. Prof.
Hébert, E., D.Th., D.Ph. Prof.

Physics
Gendreau, E., L. ès Sc. Paris, Ph.D., M.D. Prof.
Demers, J., B.A. Lectr.

Physiology
Asselin, E. G., M.D. Prof.

Social Sciences, Economics, and Politics, v. also Geog., Hist., and Law
Montpetit, E., K.C., LL.D., D.S.P. Paris
Prof. of Econ., Pub. Finance and Statistics, Director of the School.
Baudouin, J. A., M.D. Prof.
Doré, V. Prof.
Vanier, G., LL.L. Prof.
Pelletier, G., LL.L. (Journalism) Prof.
Fauteux, N. (Journalism) Prof.
Rinfret, F. (Journalism) Prof.
Leduc, A., LL.L. (Journalism) Prof.
Saint-Pierre, A. Lectr.
Baudouin, J. A., M.D.
Lectr. (Applied *Social Hygiene*).
4 Profs. agrégés.

Theology
Allard, R., D.Th. Prof.
Dorvaux, J. E., D.Th., D.Dr. Can. Prof.
Dubeau, A. Prof.
Duchein, F., D.Th. Prof.
Filion, E. Prof.
Gattet, B. M., D.Th. Prof.
Gauthier, H., D.Th. Prof.
Jeannotte, H. J., D.Th. Prof.
Lesieur, R. Prof.
McShane, G., D.Th. Prof.
Savignac, E., D.Th. Prof.
Yelle, E. Prof.
Ouellette, J.-B. Prof.
Desrosiers, J.-B. Prof.
Lépine, Emile Prof.

Veterinary Science
Daubigny, T., M.V.
Director of the School & Prof.
Généreux, D., M.V. Prof.
Lorrain, L. P. H., M.V. Prof.
Dauth, A., M.V. Prof.
6 Profs. agrégés.

Law

Administrative and Munic. L.
Baudouin, G., LL.D. Prof.

Civil L.
Demers, Hon. L. P., LL.D., J. of High Ct. Prof.
Lafontaine, Hon. E., LL.D., Ch. J. Ct. of App. Prof.

Civil Procedure [Prof.
Taschereau, R., LL.D., K.C.
Genest, R., LL.D. Lectr.

* Dean of the Faculty.

Comml. and Marit. L.
Perrault, A., LL.D., K.C. Prof.

Const. L.
Cousineau, Hon. P., LL.D., J. of High Ct. Prof.

Social Sciences, Economics
Montpetit, E., B.A., LL.D., K.C., D.S.P. Paris Prof.

Criminal L. [Prof.
Morin, L. J. S., LL.D., K.C.

Financ., Comml., and Indust. L.
Pérodeau, Hon. N., LL.D. Prof.
Gouin, L. M., LL.D. Lectr.
Gérin-Lajoie, A., LL.D. Lectr.
Faribault, R., LL.L. Lectr.

Internat. L. and Hist. of L.
Lemieux, Hon. R., LL.D., K.C. Prof

Notarial Procedure
Morin, V., LL.D. Prof.

Roman L.
Beaulieu, E., LL.D., K.C. Prof.

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

Bacteriology
Bernier, A., M.D. Prof.
Aubry, H., M.D. Lectr.

Contagious Diseases
Leduc, J., M.D. Prof.
Delvecchio, P., M.D. Lectr.

Deontology and History of Med.
Fortier, L. E., M.D. Prof.

Dermatology and Syph.
Décarie, J. D., M.D. Prof.
Archambault, G., M.D. Prof.
Toupin, J. R., M.D. Lectr.

Gynæcology
Harwood, L. de L., M.D. Prof.*
Ethier, A., M.D. Prof.
Trudeau, R., M.D. Lectr.

Histology and Path. Anat.
Dalbis, L. J., D.S. Paris Prof.
Jutras, L., M.D. Lectr.

Hygiene
Valin, N., M.D. Prof.
Baudouin, J. A., M.D. Prof.

Legal Med.
Derome, G. W., M.D. Prof.

Medicine
Guérin, J. J., M.D., M.Ch., LL.D. Dub., K.C. St.Gr. Prof.
Benoit, E. P., M.D. Prof.
Dubé, E., M.D. Prof.
Lesage, A., M.D. (M. and Path.) Prof.
Bruneau, T., M.D. Lectr.
Lebel, H., M.D. Lectr.
Léger, A., M.D. Lectr. (M. & Path.).
Robichaud, P., M.D. Lectr.
Riopelle, P. E., M.D. Lectr.
Hamel, G., M.D. Lectr.
Hébert, R., M.D. Lectr.
Rouleau, A., M.D. Lectr.
Verner, L., M.D. Lectr.

Mental Diseases
Tétreault, A., M.D. Prof.
Lefebvre de Bellefeuille, G., M.D. Lectr.

Obstetrics
De Cotret, E. A. R., M.D Prof.
Langevin, S., M.D. Lectr.

Ophth., Ot. and Rhino-Lar.
Foucher, A. A., M.D. Prof.
Boulet, R., M.D. Lectr.

Pathology and Clin. Surg., v. also Med.
Parizeau, T., M.D. Prof.
Bourgeois, B., M.D. Prof.
Bernier, A., M.D. Prof.

Pediatrics
Masson, R., M.D. Prof.
Ferron, A., M.D. Prof.

Pharmacy
Contant, J., D.Phm. President of the School & Prof.
Lecours, J. E. W., L.Phm. Prof.
Laurence, A. J., L.Phm. Sec.-Dir. of the School & Prof.

* Dean of the Faculty.

Lanctot, H., L.Phm. Prof.
Vadboncœur, E., L.Phm. Prof.
Quintin, A. D., L.Phm. Prof.
Boutin, J., L.Phm. Prof.
Flahaut, J., L. ès S. Lille. Prof.
Pilon, H., L.Phm. Prof.
6 Profs. agrégés.

Phthisiotherapy
..... Prof.
Jarry, A., M.D. Lectr.
Verschelden, L., M.D. Lectr.

Propædeutics
Hébert, R., M.D. Prof.

Radiology, etc.
Panneton, J. E., M.D. Prof.
Pariseau, L., M.D. Lectr.

Surgery, v. also Path.
Mercier, O. F., M.D. Prof.
Marien, A., M.D. Prof.
Ethier, E., M.D. Prof.
Saint-Jacques, E., M.D. Prof.
Hingston, D., M.D. Lectr.
Demers, A., M.D. Lectr.
Gagnon, A., M.D. Lectr.
Dufresne, E., M.D. Lectr.
Derome, A., M.D. Lectr.
Saint-Pierre, A., M.D. Lectr.
Derome, W., M.D. Lectr.
Paré, A., M.D. Lectr.
Roy, J. N., M.D. Lectr.
Blagdon, L., M.D. Lectr.
Rhéaume, P. Z., M.D. Prof.

Therapeutics
Masson, D., M.D. Prof.
Fortier, L. E., M.D. Prof.
Bourgoin, J., M.D. Prof.
Mignault, G. E., M.D. Lectr.

Toxicology
Derome, W., M.D. Prof.

AFFILIATED INSTITUTIONS

AGRICULTURAL INSTITUTE at Oka, about 30 miles from Montreal, founded 1893 by the Trappist Fathers of Oka. Director, R. P. Leopold. 16 other Profs. of *Ag. Botany*; *Animal Biology and Hygiene*; *An. Industry*; *An. Pathology and Bacteriology*; *Apiculture*; *Arboriculture*; *Aviculture*; *Buildings and Accounts*; *Chem., Geol. and Mineral*; *Fruit and Flower Gardening*; *Kitchen Gardening*; *Large-scale Farming and Machinery*; *Maths.*; *Physics and Drawing*; *Soils*; *Zoology and Rural Economy*. 8 other Supts. of Practical Work.

APPLIED SCIENCE, including Engineering and Architecture. The École Polytechnique, which was founded in 1874, is subsidized by the Govt. of the Province of Quebec and the principal Railways of the Dominion. Principal, A. Boyer. 21 Profs. of *Architecture, Chemistry, Drawing, Electricity, Electrotechnics, Electrochem., Electro-met., Engineering—Civil, Elec., Mech. and Sanit., Geodesy, Geology, Geometry, Heating, Hydraulics, Industrial Chem., Industrial Legisln., Indust. Technology, Maths., Metallurgy, Mineralogy, Mining, Physics, Railways, Surveying, Thermodynamics, Ventilation.* 14 Hony. Profs.

COMMERCE. École des Hautes Études Commerciales. Created by the Provincial Govt. in 1907. Director, Prof. H. Laureys. 20 other Profs. of *Accountancy, Banking, Chemistry, Customs Legislation, Economics, English, French, Geography, History, Insurance, Italian, Law, Maths., Math. Physics, Publicity.* 3 Hony. Profs.

CONSERVATOIRE NATIONAL DE MUSIQUE.

OPTOMETRY, COLLEGE OF.

RADIUM INSTITUTE, affiliated with L'Institut Pasteur (Paris).

ENSEIGNEMENT SECONDAIRE OU CLASSIQUE. Ten Colleges for boys are affiliated to the Univ. under conditions providing for a 4 yrs.' High School

course followed by a 4 yrs.' College 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 École d'enseignement secondaire pour les Jeunes Filles provides similar College courses for girls organized in French, English, and Special (Arts d'Agrément, Commerce, Pol. and Soc. Econ., Domestic Science) sections.

GENERAL INFORMATION (v. also p. 340)

Established, as a branch of Laval, Quebec, in 1878, with Faculties of Theology and Law, to which were added Medicine in 1879 and Arts in 1887. Since 1889 this Institution has been practically independent of, though receiving its degrees from, Quebec, and on Feb. 14, 1920, it was incorporated under its present name by an Act of the Provl. Legislature. In 1920 Faculties of Pure Science and of Letters and a School of Social, Economical, and Political Sciences were formed; in 1921 the School of Dental Surgery was made a separate Faculty, and the Conservatory of Music was affiliated; in 1922 the Faculty of Philosophy was created. A Radium Institute was created in 1923. The general administration is conducted by a Senate, Commissions of Admn. and Studies, Univ. Council and Exec. Committee. Endowments: $4,000,000 from a national subscription (1920), $1,000,000 from the Provl. Govt., and $1,000,000 from the Seminary of St. Sulpice.

LIBRARY, 125,000 vols. Each Faculty and School has the necessary teaching collections and laboratories.

FACULTIES. Theol. (constituted by the Grand Seminary of St. Sulpice); Philosophy; Law; Med.; Letters; Sciences; Dental Science. Incorporated in the Univ. are Schools of Vet. Med., Pharmacy, and Social, Econ. and Polit. Science.

DEGREES AND DIPLOMAS. Courses in the incorporated and affild. institns. include—a 4 yrs.' course in the Éc. Polyt. for the B. ès Sc. App.; 3 yrs. in the Éc. de Méd. Comp. for the D. en Méd. Vét.; 4 yrs. in the Éc. de Ch. Dent. for the D. en Ch.D.; 4 yrs. in the Éc. de Phm. for the B. en Ph. and D. en Ph.; 4 yrs. in Inst. Agric. d'Oka for the B. en Agr. and D. en Sc.Agr.; 3 yrs. in the Éc. des H.E. Comm. for a Diploma.

PUBLICATIONS. *Annuaire Général; Le Canadienne* (Revue Trimestriel).

THE YEAR 1925–26

NEW DEPARTMENTS, ETC. Foundation of L'Institut scientifique franco-canadien, for the exchange of professors.

CONFERENCES. Meeting of the National Council of Education in April 1926 (Montreal).

INTERCHANGE OF TEACHERS. Visits and lectures by Dr. E. Desmarest and Dr. A. Lemière of the Faculty of Paris; E. Gilson, Prof. at La Sorbonne; J. Brunhes, Prof. at the Collége de France; Father Gillet, Prof. at L'Institut catholique de Paris.

HONORARY DEGREES. E. Desmarest and A. Lemière (M.D.); E. Gilson, J. Brunhes, and Father Charlebois (D.U. de M.).

STUDENTS. *Full-time*: Preparing for professional degrees ("licence," etc.) in School of Theology 295, Med. 212 (including 1 woman), Law 147 (w. 1), Dent. 133, Vet. 17, Pharm. 97, Agr. 98, Comm. 111, Polytechnic 128, Nursing 64

(women), Applied Social Hygiene 11 (w.), Pure Science 93 (w. 4). Preparing for baccalauréat, 1365 (w. 64). Other full-time students, in Arts (pre-matriculation) courses, 3852 (w. 1217), in Household Science 356 (w.). Residing in colleges or hostels, 5217 (w. 1281). *Part-time*: Preparing for "licence," etc. in Philos. 11 (w. 5), Letters 6 (w. 2), Sciences 8 (w. 3), Social Sciences 41 (w. 2). Preparing for diploma in Philos. 291 (w. 157), Letters 70 (w. 50), Commerce 205, Music 1096 (w. 851), Educn. 265 (w. 206); occasional students of social sciences, 144 (w.). *Extra-mural* students of Civics, 187 (w.). *Extension* courses in Civics, 205 (w.). *Students from abroad* (full-time, chiefly from U.S.A.), 503 (w. 152). *Scholars studying abroad*: at Paris, Dr. O. Viau, Dr. J. Desloges, M. L. Vallerand (Commerce), E. Daviault (Agric.), M. Parizeau (Archit.).

DEGREES OBTAINED. Doct.: Med. 4, Dent. 45, Vet. 3; Licence: Th. 11, Philos. 1, Sc. 12, Droit 11, Comm. 15; Baccalauréat: Th. 19, Arts 147, Droit 26, Dent. 13, Vet. 4, Pharm. 12, Agr. 4, Comm. 2.

MOUNT ALLISON UNIVERSITY, SACKVILLE, N.B.

CHAIRMAN OF THE BOARD OF REGENTS—B. C. BORDEN, D.D., D.C.L.
PRESIDENT OF THE SENATE—G. J. TRUEMAN, M.A., Ph.D. (Col.).
SECRETARY AND LIBRARIAN—Prof. F. W. W. DES BARRES, B.A.
REGISTRAR—Prof. W. M. TWEEDIE, M.A.

PROFESSORS, LECTURERS, ETC.

Biology [Prof.
Fraser, R., B.S. Guelph., M.A. Tor.
1 Asst.

Chemistry
Bigelow, H. E., Ph.D. Harv. Prof.
Palmer, A. H., B.Sc. Instr.
2 Assts.

Classics [Wood Prof.
Cohoon, J. W., Ph.D. Princeton

Commerce and Economics
Guy, N. M., M.A. Harv. Lectr.

Education [Prof.
Trueman, G. J., M.A., Ph.D. Col.

Engineering
McKiel, H. W., B.A., B.Sc. Qu. (Mech.E.) Prof.
West, F. L., M.A., B.Sc. McG. Prof.
2 Assts.

English Lang. and Lit.
Tweedie, W. M., M.A. Lond. Allison Prof.

French and Greek [Prof.
Delano, C. C., Ph.D. New York

History
Des Barres, F. W. W., B.A. Prof.

Household Science
Ryder, Alice, B.Sc. Col. Head of Dept.

Mathematics [Prof.
Hunton, S. W., B.A. Lond., M.A.

Philosophy [Massey Prof.
Liddy, R. B., B.D., Ph.D. Tor.

Physics
MacGregor, D. G., B.A. Ox. Prof.
Jonah, H. F. S. Instr.
1 Asst.

GENERAL INFORMATION (v. also p. 340)

The UNION CHURCH of Canada now controls the administration, which is, however, conducted on strictly non-sectarian principles; a considerable number of the students belong to other religious denominations. The Univ. is named after C. F. Allison, founder (in 1843) of "Mt. Allison Wesleyan Academy," the Trustees of which were, by an Act of the Legislature of N.B. in 1858, authorized to establish as a degree-conferring institution, "Mt. Allison Wesleyan College." This name was changed in 1886 to "Univ. of Mt. Allison Coll." and in 1913 to "Mt. Allison Univ." In 1903 the McClelan School of Applied Science was opened in the Univ.

LIBRARY, 15,000 vols. Engineering WORKSHOPS with gasoline engine, etc.

FACULTIES. Arts, Science, School of Applied Science, Dept. of Household Science.

DEGREE COURSES. 3 yrs., B.Mus.; 4 yrs. (from "Junior" Matricn.), B.A., B.Sc. "Senior Matricn." Certifs. (*e.g.* N.S. Provl. Educn. Dept., grade A) admit to 2nd yr. of B.A. or B.Sc. course; Prince of Wales Coll. High Honour Diploma to 3rd yr. V. also p. 344.

HIGHER DEGREES. Open to B.A. of 1 yr.'s standing, M.A.; to B.Sc. of 1 yr.'s standing, M.Sc.; Honorary, D.D., LL.D., D.C.L.

CERTIFICATES. Applied Science, 2 yrs.' course (may be taken as part of 3rd and 4th yrs. of B.A. course); Finance and Com., 2 yrs.

RECOGNITION by other Univs. (v. p. 379).

FEES, tuition and registration, annual: Arts, $90; Engin., $120.

RESIDENCE. Accommodation in the Univ. for 130 men and 60 women students. Board and lodging, $249 p.a.

PUBLICATIONS. *Calendar* (July); *Argosy* (students'), and *Mt. Allison Record*, monthly.

THE YEAR 1925–26

BENEFACTIONS. Hon. Josiah Wood, $14,800 to endow course of public lectures on Honour and Integrity in all relations of life. The first course was given by Sir George E. Foster.

HONORARY DEGREES. *LL.D.*—E. H. Colpitts, C. McKinnon, S. A. Worrell; *D.D.*—Edward C. Hennigar.

OTHER DEGREES (1926). M.A., 2; B.A., 25 (w. 13); B.Sc., 11 (w. 3); B.D., 1.

STUDENTS. Graduate, 6 (w. 2); undergraduates in Arts, 141 (w. 53); Science, 34 (w. 3); Theology, 7; Engineering, 43; Finance and Commerce, 2; Household Science, 5 (w.); Music, 2 (w.); Special, 61 (w. 52). Summer School, 89 (w. 45).

Dr. Line and Prof. W. G. Watson of the Theological staff went to Halifax, N.S., the Theological work formerly given at Mt. Allison having been since the union of the Methodist and Presbyterian Churches transferred to the Union Theological College, Halifax.

UNIVERSITY OF NEW BRUNSWICK, FREDERICTON

VISITOR ON BEHALF OF H.M. THE KING—THE LIEUT.-GOVERNOR OF NEW BRUNSWICK.

CHANCELLOR—C. C. JONES, M.A., Ph.D., LL.D.

PRESIDENT OF THE SENATE—W. S. CARTER, M.A., LL.D., D.C.L.

REGISTRAR—HAVELOCK COY, M.A.

PROFESSORS AND LECTURERS

Chemistry

Cameron, A., M.A., B.Sc. St. And. [Prof.

Classics and Anc. Hist.

Raymond, W. T., B.A., B.A. Harv., LL.D. Dal. Prof.

Engineering

Turner, E. O., S.B. Mass. I. Tech (Civil E.) Prof.

Stephens, J., M.A., M.A.I. Dub., M.I.C.E.I. (Mech. E. and Drawing) Prof.

Engineering, Electrical

Baird, A. F., M.Sc. Prof.

English and Mod. Hist.

Harvey, E. L., B.A. Ox. Prof.

Forestry

Webb, H. P., M.Sc. Prof.

French and German

Pugh, R. W. B., B.A. Ox. Prof.

Law

Richards, C. D., B.A. Lectr. (Contracts and Real Property).

Hughes, P. J., B.A. Lectr. (Torts, Crimes).

Winslow, J. J. F., B.A. Lectr. (Procedure).

At St. John :

Hazen, Sir Douglas, C.J., K.C.M.G., B.A., LL.D. Dean of Faculty.

McInerney, H. O., M.A., B.C.L. Prof.

15 Part-time Lectrs.

Mathematics

The Chancellor **Prof.**

Natural History and Geol.

Cox, P., B.A., B.Sc., Ph.D. Prof.

Philosophy and Economics

Kierstead, W. C., Ph.D. Chic., M.A. **Prof.**

Physics

Hachey, H. B., M.Sc. McGill **Prof.**

GENERAL INFORMATION (v. also p. 340)

The " College of New Brunswick " was incorporated in 1800 by Provincial Charter, re-incorporated in 1828 by Royal Charter as " King's College," and merged in 1859 in the Univ. of N.B. established in that year. A Faculty of Law was established in 1923 in St. John, taking over, with some changes, the work of the former King's College Law School. The Provincial Govt. appoints the Chancellor and a majority of the governing body, called the Senate, of which the Chief Supt. of Education for the Province is *ex officio* President. The annual grant from Provincial revenues is $25,000.

LIBRARY: 14,000 vols. MUSEUMS: Natural History (rich in birds). LABORATORIES: Bot., Chem., Engin., Geol., Phys., Psych. OBSERVATORY: Telescope with 6" clear aperture.

DEPARTMENTS. Arts, Applied Science (Engineering and Forestry), Law.

DEGREE COURSES. 4 yrs. (from "Junior" Matricn.), B.A., B.Sc. (in Pure Science, Engin. or Forestry). 3 yrs., B.C.L. The "Senior" Matricn. (or equivalent) Certif. admits to the 2nd year. The first 2 yrs. in Engin. are arranged to suit candidates for licences as Land Surveyors.

HIGHER DEGREES. Open to B.A. of 2 yrs.' standing, M.A.; to B.Sc. in Pure Science of 2 yrs.', in Engin. or For. of 3 yrs.' standing, M.Sc.; to B.A. of 6 yrs.' standing, B.C.L.; to B.C.L. of 5 yrs.' standing, D.C.L.; D.Litt., D.Sc., LL.D. (Hon.).

RECOGNITION by other Univs. (v. pp. 325, 668).

FEES, tuition, annual: Arts, $70; Engin. or Forestry, $100.

PUBLICATION. *Calendar* (May).

THE YEAR 1925–26

BENEFACTIONS. $50,000 from various sources for Endowment Fund.

NEW DEPARTMENT. Physics (formerly combined with Electrical Engineering); first Prof., H. B. Hachey, from McGill.

RESIGNATION. G. H. R. O'Donnell (French and German), succeeded by Rev. B. Pugh, Reader in English, Strasbourg Univ.

HONORARY DEGREES. *D.Sc.*—E. Brydone-Jack. *LL.D.*—A. O. Dawson, J. B. M. Baxter, W. J. S. Myles.

OTHER DEGREES. M.Sc., 2; B.A., 12; B.Sc., 11 (including 8 in Engineering and 1 in Forestry); B.C.L., 7.

STUDENTS. Full-time: Arts and Pure Science, 187 (including 48 women); Law, 17.

UNIVERSITY OF OTTAWA

APOSTOLIC CHANCELLOR—H.G. THE ARCHBISHOP OF OTTAWA.

RECTOR—F. X. MARCOTTE, D.D., D.Ph.

REGISTRAR—A. JASMIN, Ph.D.

TREASURER—A. D. MCGOWAN, B.L.

PREFECT OF STUDIES—A. PELLETIER.

PREFECT OF DISCIPLINE—J. CHARTRAND.

PROFESSORS

[a = Arithmetic, c = Classics, e = English, f = French, h = History, m = Mathematics, p = Penmanship, r = Religious Knowledge.]

Arsenault, A. J.—c, e, f.
Auger, L. B. A., f, m, h, p.
Beaulieu, J.—e, f, h, m, p, Music.
Beauséjour, R., Th.L.—r.
Bergevin, L.—c, r.
Bétournay, A., Ph.L.—c.
Bradley, F.—e, c.
Brosseau, H. D.—c, h.
Brunet, A.—f, c.
Cadieux, J.—e, r, p.
Caron, A.—r.
Cary, A.—e, r, Econ.
Cassidy, C. J.—e.
Charbonneau, L., B.A.—Pedagogy.
Chartrand, J.—e, f, r.
Cornellier, P., B.A., Ph.D., Th.D.—r.
Cunningham, E., c, e.
De Blois, J.—Geog., r, p.
Deschamps, T.—r, f.
Deschatelets, L.—r.
Desnoyers, A., Ph.D.—r.
Dubé, H., Ph.D., M.Sc.—m, Physics, Astron.
Dubois, N.—c, f.
Dubois, P., B.A.—m, Law, p.
Fusey, A., Ph.L.—c, f, r.
Garneau, P., Ph.L.—c, r.
Gascon, A.—f, m, h.
Gravel, J.—c, r.
Guertin, A.—f, h, r.
Guy, J.—m, r.
Hayden, W.—e, m.
Hébert, J., Ph.L., Th.L.—c, r.
Jacques, A.—h, m, r.
Jasmin, A.—h, r, Philos.
Julien, O.—e, f, h, Stenography, p.
Lajeunesse, J. A., M.A.—Nat. Sc., Pedagogy.
Lamoureux, R., Ph.D.
Latulipe, E.—c, f, m.
Leblanc, R.—Philos., r.
Leclerc, A.—f, m.
Lee, J. E. L.—e, c, r.
Legault, R.—Business.
Létourneau, R.—f, m, Geog.
McMahon, R., B.A., Ph.L.—c.
Maillette, A.—f, m.
Matte, H.—Philos.
Marchand, G., Ph.D.—r.
Martel, G.—m.
Nillès, Th.D.—r, Pol. Econ. and Const. Law.
Paquette, A.—f, r, Geog.
Pelletier, A.—c.
Pelletier, L. P., Ph.L.—e.
Perruisset, L., D.Ph.—h, Philos.
Poulet, D., L.Ph.—Philos., r.
Quigley, F. J.—e.
Renaud, E., Ph.D.—Chem., m, f, r.
Royal, E.—e, f, h.
St.-Denis, H.—r, c.

Sénécal, R.—Business.
Simard, G., Ph.D.—Eccl. Hist.
Tassé, A.—Music.
Toupin, A.—r, f.
Véronneau, A., M.A.—c, f.
Verville, E., Ph.L.—f, c.
Villeneuve, R., D.Ph.—r.
Voyer, O.—f.

GENERAL INFORMATION (v. also p. 340)

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.

AFFILIATED INSTITUTIONS. 4 Convents, a Seminary and 2 Academies at Ottawa; St. Joseph and Sacred Heart Academies at Hawkesbury, Ont.; College of Sacred Heart, Sudbury, Ont.; College Mathieu, Gravelbourg, Sask.

LIBRARY, 25,000 vols. The Parliament Library, to which students have access, has 300,000 vols. MUSEUMS: In the Univ.—Geol.; access also to Geol. Survey Dept. Museum. The Dominion Observatory and Canadian Fisheries Museum are located in Ottawa. LABORATORIES: Chem., Phys., Mineral.

DEGREES, ETC. B.A., M.A., B.L. (Lit.), B.Phil., B.Th., D.Th., LL.D. (Hon.), Lic. Phil., D.Phil., Lic. Th. The Arts course leading to the B.A. or B.L. covers 4 yrs., the work of the Fourth to the Seventh " Forms," that of the first 4 Forms being preparatory to matricn. Extra-mural students may appear for examn. without attending classes in the Univ. for more than 1 yr. The B.A. exempts law and medical students from Prelim. Examns. and entitles the former to a reduction of 2 yrs. of the ordinary 5 yrs.' course. The B.Th. and the L.Th. involve respectively 2 and 3 yrs.' study of Theology after the completion of a classical course; the B.Ph. and the L.Ph. respectively 3 and 4 yrs.' study after matricn. Marks assigned for the exercises of students are read in public once a month, and monthly reports are sent to parents.

FEES. For Tuition and Board Residence per half-year, $300. Degrees from $5 to $75.

RESIDENCE. Students whose homes are not in Ottawa are required to live in the Univ. building, where they are subject to strict discipline—*e.g.* no book or newspaper may be introduced without having been previously examined and approved of by the Prefect of Discipline.

DEGREES GRANTED (1926). B.A., 23; B.Ph., 23; L.Ph., 14; B.Th., 2; L.Th., 6; D.Th., 2; LL.D., 1.

NUMBER OF STUDENTS, 1925–26. Faculty of Theology, 78; Philos., 84; Arts, preparatory course, 878. In 11 affiliated institutions, 4537.

QUEEN'S UNIVERSITY, KINGSTON, ONTARIO

CHANCELLOR—Rt. Hon. Sir ROBERT L. BORDEN, G.C.M.G., P.C., K.C.

PRINCIPAL AND VICE-CHANCELLOR—R. BRUCE TAYLOR, M.A., D.D., LL.D.

RECTOR—W. H. COVERDALE, LL.D.

REGISTRAR AND TREASURER—W. E. MCNEILL, M.A., Ph.D.

DEPUTY REGISTRAR—ALICE KING.

LIBRARIAN—NATHAN VAN PATTEN.

DEAN OF WOMEN—HILDA C. LAIRD, B.A.

PROFESSORS, LECTURERS, ETC.

Accounting
Walker, C. E., C.A. Asst. Prof.
Smails, R. G. H., A.C.A. ,, ,,

Anatomy, v. also Med.—Obs., Surg.
Matheson, D. C., M.B. Prof.
2 Fellows, 1 Demr.

Banking, v. Pol. Econ.

Biology
MacClement, T. W., D.Sc. Armour Inst., M.A. Allan Prof.
Klugh, A. B., M.A., Ph.D. Corn. Asst. Prof.
Earl, R. O., M.Sc. Chic., B.A., Ph.D. Chic. Asst. Prof.
2 Tutors.

Chemistry, v. also Engin. [Prof.
Neish, A. C., M.A., Ph.D. Col.
McRae, J. A., M.A., Ph.D., F.I.C. Prof.
Frost, G. B., B.A. Tor., Ph.D. Cal. Lectr.
Cadenhead, A. F. G., B.A. Lectr.
Dorrance, R. L., B.A. Tor. Lectr.
12 Tutors.

Chemistry, Biological
Logan, J. F., B.A. Acadia, Ph.D. Yale Prof.

Classics
Callander, T., M.A. Aberd. and Ox. (Greek) Prof.
Tait, M. D. C., B.A. Ox. (on leave, 1 yr.) Lectr.
Jolliffe, R. O., Ph.D. Chic. (Latin) Prof.
Tracy, H., B.A., Ph.D. Prof.
Macdonnell, Mary L., M.A. Instr.

Commerce, v. also Accounting.
Caldwell, H. G., B.A., B.Com. Asst. Prof.

Economics, v. Polit.

Engineering, v. also Mining
Macphail, A. J., C.M.G., B.Sc. (General E.) Prof.
Arkley, L. M., M.Sc. (Mech. E.) Prof.
Goodwin, L. F., Ph.D. Heid., A.C.G.I., F.I.C. (Indust. and Chem. E.) Prof.
Wilgar, W. P., B.Sc. (Civil E.) Prof.
Malcolm, L., M.A., B.Sc. (Munic. E.) Prof.
Jemmett, D. M., M.A., B.Sc. (El. E.) Prof.
Ellis, D. S., M.A., B.Sc. (Civil E.) Assoc. Prof.
Geiger, G. F., B.Sc. (Elec.) Lectr.

Rutledge, L. T., B.A.Sc. (Mech.E.) Assoc. Prof.
Jackson, A., B.Sc. (Draughting) Asst. Prof.
9 Tutors, 7 Demrs., 3 Instrs.

English [Prof.
Clarke, G. H., M.A. McM., D.Litt.
Roy, J. A., M.A. Edin. Prof.
Alexander, H., M.A. Liv. Asst. Prof.
Gordon, Miss W., M.A. Asst. Prof.
Alexander, W. A., M.A. Tor. Lectr.
6 Tutors.

French [Prof.
Campbell, P. G. C., M.A. Ox.
Hicks, R. K., B.A. Camb., M.A. Harv. (on leave, 1 yr.) Assoc. Prof.
Conacher, W. M., B.A. Lond. Asst. Prof.
McConnell, Mme. B. S. Instr.

Geology [Prof.
Baker, M. B., B.A., B.Sc., F.G.S.A.
Rose, B., Ph.D. Yale, B.Sc. Asst. Prof.

German
Macgillivray, J., B.A. Tor., Ph.D. Leip. Prof.
Laird, Hilda C., B.A. Queen's Lectr.

Hebrew, v. Semitic

History
M'Arthur, D. A., M.A. Prof. of H. and Douglas Prof. of Colonial H.
Prince, A. E., M.A. Ox. and Manc. (English H.) Assoc. Prof.
Trotter, R., B.A. Yale, M.A., Ph.D. Harv. Assoc. Prof.

Italian, v. Romance

Mathematics
Matheson, J., M.A., Dean of the Faculty of Arts Prof.
Gummer, C. F., M.A. Ox., Ph.D. Chic. Prof.
Miller, Norman, Ph.D. Harv., M.A. Assoc. Prof.
Johnston, K. P., M.A., B.Sc. Asst. Prof.
Newlands, Mrs. Etta, M.A. Instr.
8 Tutors.

Medicine, v. *infra*

Metallurgy
MacKay, G. J., B.Sc. Prof.
Carson, O. A., M.A. Col., B.Sc. Lectr.

Mineralogy
Bruce, E. L., M.A., Ph.D. Col., B.A. Prof.

Mining Engineering
Graham, S. N., B.Sc. Prof.

Philosophy
Humphrey, Geo., B.A. Ox., Ph.D. Harv. Prof.
MacCallum, H. R., M.A. Ox. (on leave, 1 yr.) Asst. Prof.
Varnum, D. P., M.A. Tempy. Lectr.
1 Tutor.

Physics
Clark, A. L., B.Sc. W.P.I., Ph.D. Clark, Dean of Fac. of App. Sc. Prof.
Baker, W. C., M.A. (Expl. P.) Prof.
Gray, J. A., D.Sc. Manc. Chown Research Prof.
Flammer, E., B.Sc. Calif., Ph.D. Harv. Assoc. Prof.
Robertson, J. K., M.A. Tor. Prof.
Ball, W. V., B.A.Sc. Tor. Lectr.
2 Tutors.

Physiology
Melvin, G. S., M.D. Aberd. Prof.
Ettinger, G. H., B.A., M.D., C.M. Lectr. in P. and Embryol.
1 Fellow.

Political and Econ. Science
Heaton, H., M.A., M.Com., D.Litt. Macdonald Prof.
Mackintosh, W. A., Ph.D. Harv., M.A. Prof. of Pol. Sc. (Director of Banking Courses).
Caldwell, H. G., B.A., B.Com. Asst. Prof.

Knox, F. A. Lectr.
3 Tutors in Econ. and Banking.

Romance Lang. and Lit., v. also French
Brovedani, J. H., D. ès L. Rennes Prof. of Span. & Ital.

Semitic Langs. and Lit. [Prof.
Jordan, W. G., B.A. Lond., D.D.

Spanish, v. Romance

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

Anæsthetics, v. Surg.

Bacteriology
Reed, G. B., M.A., B.Sc., Ph.D. Harv. Prof.
Orr, J. H., M.D., C.M. Lectr.

Electro-Therapy, v. Mat. Med.

Gynæcology
Mylks, G. W., M.D. Prof.
Morison, M. J., M.D. Clin. Asst.

Materia Med.
Gibson, T. W., M.D., M.A., M.B. Edin. Prof.
Quigley, J. P., M.A., M.D., M.R.C.S. Eng., L.R.C.P. Lond. (Lectr. in Electro-Therapy) Asst. Prof.

Med. Jurispr. and Toxicology
Gardiner, R. J., M.D., C.M. Lectr.
Rigney, T. J., B.A., K.C. Lectr.

Medicine and Clin. Med.
Connell, W. T., M.D., M.R.C.S. Eng., L.R.C.P. Lond. Prof.
Gibson, W., M.D. Assoc. Prof. of M.
MacCallum, E. C. D., M.D., C.M. McG. Assoc. Prof. of M.
Third, J. R., B.A., M.D. Clin. Asst.
Macdonnell, P. M., B.A., M.D. Clin. Asst.
Hopkins, B. H., M.B. Tor. Lectr.
Jones, W. A., M.D. Westn. Clin. Asst. & Historian.

Obstetrics
Williamson, A. R. B., M.A., M.D., M.R.C.S. Eng., L.R.C.P. Lond. Prof.
O'Connor, F. J., M.D., C.M. Clin. Asst. & Fellow in Anat.

Ophth., Ot., Laryng. and Rhin.
Connell, J. C., M.A., M.D. Prof.
Cays, F. A., M.D., C.M. Lectr.
Connell, H. C., B.A., M.D., C.M. Clin. Asst.

Pathology
Miller, J., B.Sc., M.D. Edin., D.Sc. Birm. Prof.
Hay, W. D., M.A., M.D., C.M. (Lectr. in Clin. Microscopy) Asst.

Pediatrics [Prof.
MacGregor, R. R., M.D., C.M.

Preventive Medicine
Williamson, A. R. B., M.A., M.D. Prof.
Bennett, C. W., M.D., C.M. Lectr.

Psychiatry
Ryan, E., B.A., M.D., C.M. (Assoc. Prof. of Surg.) Prof.

Surgery, v. also Psych.
Austin, L. J., M.Ch. Camb., F.R.C.S. Eng. Prof. of Clin. S.
Etherington, F., M.D., C.M.G. Assoc. Prof.
Gardiner, R. J., M.D., C.M. Asst. Prof.
Keyes, S. J., M.D., C.M. (Lectr. in Anæsthetics) Asst. Prof.
Sparks, J. F., B.A., M.D., C.M. Asst. Prof. of S. and *Appl. Anat.*
Bogart, I. G., M.D., C.M. Assoc. Prof.

AFFILIATED COLLEGE

QUEEN'S THEOLOGICAL COLLEGE (Presbyterian). Principal and Prof. of Old Test. Criticism and Exegesis, H. A. Kent, M.A., D.D 5 other Profs.

GENERAL INFORMATION (v. also p. 340)

On the initiative of the Presbyterian Church a Royal Charter was granted in 1841 for the establishment of Queen's College, Kingston, funds being provided by grants from the Church and from the Govt. and by private benefactions. To the original Faculties of Arts and Theology were added, in 1854 Medicine, in 1907 Education, and in 1916, by amalgamation with the Univ. of the School of Mining founded in 1893, Applied Science. In 1912 the Faculty of Theology was separately incorporated as "Queen's Theological College" in affiliation with the Univ. but controlled entirely by the Presbyterian Church. In 1920 the Faculty of Educn. was discontinued, the students being transferred to the Teachers' Training College, Toronto. Endowments amount to $1,800,000.

The administration is vested in a Board of Trustees, composed of Chancellor, Principal and Rector, and representatives of the College, the Faculties, Graduates and Benefactors.

LIBRARY, 150,000 vols. (valuable Canadian Historical Section). MUSEUMS: Herbarium (35,000 spec.), Geol., Mineral., Ethnol. (rich N. American stone age collection). LABORATORIES, including important School of Mines buildings: Biol. (accommodating 220 students), Chem., Geol., Physics, Engineering, Mining, Metall., Mineral. OBSERVATORY with 6" telescope. HOSPLS. available for clinics, 2 general, 1 for insane. Easy access to important locomotive shops, dry docks, canal locks, water-power stations, mines, metallurgical works. Exceptional natural facilities for Geol. study.

FACULTIES. Arts, Applied Science, Medicine. The Senate includes representatives of the Theol. College also.

MATRICULATION. See p. 426.

DEGREE COURSES. Four years, B.A., B.Com., B.Sc. (in Engin.—Civ., Mech., Elec., Mining and Metall., Chem. and Metall.—Analyt. and Applied Chem., Mineral. and Geol., or Physics); 6 yrs., M.D., C.M.

Combined courses: 6 yrs., B.A. and B.Sc., B.A. and B.D.

For teachers in schools and others unable to pursue the full degree courses in Arts at the Univ. extra-mural instruction is provided by correspondence conducted by a staff of tutors. All students proceeding to the degree must take in residence 9 of the 19 courses required for the Pass degree. Some of these may be covered at the Summer School of 6 weeks during July and Aug., but the examinations written are the regular Sept. examns. as set for all students.

Banking Courses leading to diplomas of Associate or Fellow of the Canadian Banking Assocn. Tuition given by correspondence to members of Canadian Banks.

By agreement with the Can. Institute of Chartered Accountants, Toronto, the tuition of their course, leading to the C.A. certif., is given by the Univ.

HIGHER DEGREES. M.A. (1 yr. graduate course); M.Sc. (1 yr. course and 2 yrs.' professional practice); Ph.D. (3 yrs.); D.Sc. (2 or 3 yrs.); D.P.H. (Doctor of Pub. Health); B.D. (3 yrs.' course or its equivalent); Honorary LL.D., D.D.

RECOGNITION BY OTHER UNIVS. See pp. 110, 283, 292, 293.

DIPLOMAS. Testamur in Theology (3 yrs.' course)

FEES (Class and Examn.) in Arts, $70 p.a.; Science, $130.

FELLOWSHIPS. Two of $500 and two of $250 open to Honour B.A. at Queen's and holders of equivalent degree elsewhere, for research in Faculty of Arts. One ($500) may be awarded as a *Travelling Fellowship*. Milton Hersey Fellowship in Chemistry ($500) open to graduates of all univs. and technical colleges.

RESIDENCE with rooms for 100 women and refectory accommodation for 150. Board and lodging, $8 to $10 a week. Residence for men proposed for next year.

UNIVERSITY EXTENSION. See above—Degree courses. A course of weekly lectures is open to the public, and lectures are given by members of the staff at various centres in Ontario.

PUBLICATIONS. *Calendars* (by Faculties); *Queen's Quarterly*; *Queen's Univ. Journal.*

THE YEAR 1925–26

BENEFACTIONS. Several important subscriptions to endowment fund of $2,500,000, for which the Univ. is conducting a campaign.

STAFF CHANGES. Leave of absence for a year granted to Prof. Hicks as member of Carnegie Committee on Teaching of Modern Languages in Canada, and to two others for Ph.D. work at Harvard. Prof. Tracy (Classics) came from Manitoba.

HONORARY DEGREES. *LL.D.*—Lady Byng, R. R. Bennett, A. R. Elliott, H. A. Guess, W. H. Rankin. *D.D.*—J. R. Watts.

OTHER DEGREES. B.A., 144 (including 72 women); B.Sc. (Applied Sc.), 46; B.Com., 21 (w. 4); M.A., 17 (w. 9); M.Sc., 1; M.D., 53.

STUDENTS. Full-time: total, 1254 (women 292); graduate students, in Arts and Pure Science 13 (w. 9), Applied Science 3; preparing for a first degree, in Arts, etc. 714 (w. 283), Medicine 309, Applied Sc. 245. Resident in hostels, 100 (w.). Students from other countries: China 1, Poland 1, W. Indies 2, S. America 1, Russia 2. Part-time: 3 (w. 1).

Summer School, 531 (w. 275); extra-mural, 1021 (w. 431); Banking, 107; Chartered Accountancy, 233.

UNIVERSITY OF ST. FRANCIS XAVIER, ANTIGONISH, NOVA SCOTIA

CHANCELLOR AND *ex officio* CHAIRMAN OF THE BOARD OF GOVERNORS—Rt. Rev. J. MORRISON, D.D., Ph.D., Bishop of Antigonish.

PRESIDENT-RECTOR—Very Rev. H. P. MACPHERSON, D.D., D.C.L.

VICE-RECTOR AND DIRECTOR OF DISCIPLINE—Prof. D. J. MACDONALD, Ph.D.

BURSAR—Very Rev. D. C. MACKAY, B.A.

LIBRARIAN—Prof. M. M. COADY, Ph.D., D.D.

REGISTRAR—Prof. P. J. NICHOLSON, Ph.D.

DIRECTOR OF STUDIES—Prof. R. K. MCINTYRE, B.Sc.

PROFESSORS, LECTURERS, ETC.

Biology
Chisholm, J. C., B.A. Prof.

Chemistry
McIntyre, R. K., M.A., B.Sc. Cath. Univ. of Amer. Prof.

Classics
MacPherson, H. P., D.D. Laval, D.C.L. King's Prof. (Latin).
Sears, L., B.A. Ox. Asst. Prof.

Economics and Sociology
Macdonald, D. J., M.A., Ph.D. Cath. U.A. Prof.

Education and Philosophy
Coady, M. M., Ph.D. (St. T., Rome), D.D. (Urb., Rome) Prof.

English Lit. and Modern Hist.
Young, J. J., M.A. (N.U.I.) Prof.
Johnston, A., B.A. Asst. Prof.
Bannon, R. V., ditto (on leave).

French
Raiche, J. F., M.A. Prof.
Bourdin, H. L., Ag.Lett. Paris Carnegie Prof.
Bonno, G., ditto (on leave)

Gaelic Lang. and Lit. [Lectr.
Nicholson, P. J. (v. Physics)

Geology and German
McPherson, H., D.D., Ph.D. Urb. Rome Prof.

History, v. English

Logic
Boyle, T. O'R., D.D. Lav. Prof.

Mathematics
Baillie, E. L., B.Sc. (N.S.T.) Prof.
McKenna, L. A., B.A. Asst. Prof.

Philosophy, v. Educn.

Physics
Nicholson, P. J., M.A., Ph.D. J. Hopk. Prof.

Religion
Mackay, D. C., B.A. Prof.

GENERAL INFORMATION (v. also p. 340)

The Univ. was authorized in 1866 to grant degrees, and was endowed with full Univ. powers in 1882. A new Charter was granted in 1909. The

University is under the direction of the Catholic Church, but there are no religious tests for entrance or for degrees. The recent Neil McNeil bequest for endowment is valued at $600,000. A further $200,000 will become due on the death of beneficiaries now receiving interest.

LIBRARY, 40,000 vols. LABORATORIES: Biol., Chem., Geol., Phys.

COURSES. 4 yrs., B.A., B.Sc.; 2 yrs., Engineering (gives admission to leading technical colls. of Canada and U.S.A.); graduate 1 yr. course for M.A. (v. also pp. 344, 379).

EXPENSES. Board and dormitory, $6 per week; private room, $2 per week; tuition for session, $85; laboratory, $5 to $7½; degree, $5 to $10.

A "PEOPLE'S SCHOOL," open Jan. to March (8 weeks), provides courses in various Arts, Pure Science, and Agric. subjects. No educational test for entrance.

PUBLICATIONS. *Calendar* (July); *Xaverian*, monthly.

THE YEAR 1925–26

BENEFACTIONS. $3178.

A NEW COURSE in Nursing leading to a degree was instituted.

RESIGNATIONS. J. F. O'Connor; A. F. Chaisson, Lectr. in Biology (to continue graduate work at Harvard). INTERCHANGE OF TEACHERS. Prof. of French transferred to Univ. of California, his place being taken by former professor of Yale.

HONORARY DEGREE. *M.A.*—Russell Ellis.

OTHER DEGREES. B.A., 20 (including 5 women); B.Sc., 2 (w. 1); M.A., 3 (w. 1).

STUDENTS. Graduate students, 5 (w. 2); preparing for a first degree, 204 (w. 58). Resident in hostels, 171 (w. 41).

UNIVERSITY OF SASKATCHEWAN, SASKATOON

VISITOR—Hon. W. H. NEWLANDS.
CHANCELLOR—Sir F. W. G. HAULTAIN, LL.D.
PRESIDENT—W. C. MURRAY, M.A., LL.D.
REGISTRAR—A. R. WEIR, B.A.

PROFESSORS, LECTURERS, ETC.

Accounting
Neilson, J., B.Acc. Prof.

Agriculture, v. *infra*

Anatomy
MacGibbon, R. T., M.B., C.M. Glas. [Prof.

Bacteriology and Pathology
Lindsay, W. S., O.B.E., B.A. Dal., M.B. Edin. Prof.
Rea, George, M.B., Ch.B., D.P.H. Belf. Prof.

Biology
Thompson, W. P., M.A. Tor., Ph.D. Harv., F.R.S.C. Prof.
Cameron, A. E., M.Sc. Man., D.Sc. Aberd., F.R.S.E. Prof.
Fraser, W. P., B.A. Dal., M.A. Corn., M.Sc. McGill Prof.
Saunders, L. G., Ph.D. Camb. Asst. Prof.

Chemistry
Thorvaldson, T., B.A. Man., Ph.D. Harv. Prof.
Manning, R. J., B.A. Tor., D.Sc. Brist. Prof.
Basterfield, S. L., B.Sc. Lond., Ph.D. Chic. Prof.
Grubb, A. C., Ph.D. Chic. Prof.
Cameron, C. N., M.A., Ph.D. Chic. Asst. Prof.
Grace, N. J., B.A. Instr.

Classics
Sullivan, W. G., M.A. Dub. Prof.
Ramsay, W., B.A. Queen's Prof.
Ferguson, R. M., B.A. T.C.D. Asst. Prof.

Economics
Swanson, W. W., M.A. Qu., Ph.D. Chic. Prof.
Carrothers, W. A., Ph.D. Edin. Prof.
M'Queen, R., M.A. Alb. Asst. Prof.

Education
The President, M.A. Edin., LL.D. Qu. and Alb. Lectr.
Sharrard, J. A., M.A. Tor. Lectr.

Engineering, v. *infra*

English
Wilson, R. A., Ph.D. Queen's Prof.
Lothian, J. M., M.A. Glas. Prof.
Bayer, Jean G., M.A. Dal. Prof.
Bentley, J. A., B.A. Dal., M.A. Harv. Asst. Prof.
Brown, Edith, B.A. Lond. ,, ,,
Weir, A. R., B.A. Lectr.
McKenzie, Edith J., B.A. Sask. Asst. Prof.

French [Prof.
MacDonald, J. A., M.A. Harv.
Cameron, Margaret, B.A. McG., M.A. Rad. Asst. Prof.
Boucher, Errol, B.A., M.S. Mont. Instr.

German
Eaton, J. W., M.A. Dub. Prof.

Hebrew [Lectr.
Munro, M. F., M.A., B.D. Queen's

History, v. also Polit. Sc.
Morton, A. S., M.A. Edin. Prof.
Simpson, G. W., M.A. Tor. Asst. Prof.

Household Science
Rutter, Ethel, Ph.B. Chic. Prof.
Oxner, Bertha G., B.A. Asst. Prof.

Law [Dean & Prof.
Moxon, A., B.C.L. Ox.
Kleven, V. E., B.C.L. Ox. Prof.
Cronkite, F. C., LL.B. Harv. Prof.
Sibbald, A. S., M.A. Tor. (Interpretn.) Lectr.

Mathematics [Prof.
Ling, G. H., B.A. Tor., Ph.D. Col.
Dines, L. L., Ph.D. Chic. Prof.
Pyke, A. J., M.A. Tor. Prof.

Pharmacy
Campbell, Alex. Dean.
Woods, Esli, B.S.P. Prof.
Rang, Carl H., Ph.D. Instr.

Philosophy
Sharrard, J. A., M.A. Tor. Prof.
Bateman, J. V., M.A. T.C.D. Prof.

Physical Training
Crawford, Janet Instr.
Griffiths, E. W. Instr.

Physics
Harrington, E. B., Ph.D. Chic. Prof.
MacKay, C. A., M.A. Dal., Ph.D. Princ. Prof.
Alty, Thos., B.Sc. Liv., Ph.D. Camb. Prof.

Physiology
Scott, J. M. D., M.A. St. And., M.D. Edin., Ph.D. Camb. Prof.

Political Science
Underhill, F. H., B.A. Tor., M.A. Ox. (Lectr. in *History*) Prof.

Agriculture

Animal Husbandry
Shaw, A. M., B.S.A. Tor. Prof.
Winters, L. M., M.Sc. Ames. Prof.
Rutherford, W. J., B.S.A. Tor. Dean & Lectr.

Dairying [Prof.
Potts, A. E., B.Sc. Edin., M.S.A.
Boyd, H. B. Instr.

Engineering, Agric.
Greig, A. R., B.Sc. McGill Prof.
Hardy, A. E., M.S.A. Ames. Prof.

Farm Management
Allen, W., B.S.A., Ph.D. Corn. Asst. Prof.

Field Husbandry [Prof.
Champlin, M., M.Sc. Sth. Dak.
Kirk, L. E., B.A., M.S.A. Sask. Prof.
Harrington, J. B., Ph.D. Minn. Asst. Prof.

Horticulture
Patterson, C. F., B.A. Tor., Ph.D. Ill. Prof.

Poultry
Baker, R. K., B.A. Man. Prof.
Maw, A. J. G., B.S.A. McGill Instr.

Soils
Joel, A. H., B.Sc. Mich. Prof.
Edmunds, F. H., M.Sc. Liv. Asst. Prof.
Mitchell, J., B.S.A. Instr.

Veterinary Science
Hadwen, S., D.V.S. McGill Research Prof.
Wright, N., V.S. Lectr.
Fulton, J. S., D.V.M. Pathologist.

Engineering, v. also Agric.

Ceramic E.
Worcester, W. G. Prof.

Civil E.
MacKenzie, C. J., B.E. Dal., M.C.E. Harv. Dean and Prof.
Williams, G. M., B.Sc. Neb. Prof.
Spencer, R. A., B.Sc. McG. Prof.

Electrical E. [Asst. Prof.
Lovell, A. J., B.Sc.E.E. Manit.

Mechanical E.
Greig, A. R., B.Sc. McG. Prof.
Fraser, I. M., B.Sc. McG. Prof.

Extra-Mural Work

Raynor, J. G., B.S.A. Man. Director.

Gordon, K. W., B.S.A. Man. Asst. Director.

De Lury, Abigail Dir. of Home-makers Clubs.

AFFILIATED COLLEGES, ETC.

EMMANUEL COLLEGE, estabd. 1879 for training native helpers at Prince Albert, transferred to its present site in the Univ. grounds in 1909. Principal, W. T. Hallam, M.A., D.D. Courses for Testamur, Lic.Th., B.Th.

ST. CHAD'S, Regina (Church of England).

ST. ANDREWS COLLEGE, Saskatoon. Principal, E. H. Oliver, M.A., Ph.D.

LUTHERAN SEMINARY, Saskatoon. Principal, Rev. H. W. Harms.

COLLEGE OF PHYSICIANS AND SURGEONS; LAW SOCIETY; DENTAL COUNCIL; PHARMACEUTICAL ASSOCN.; ASSOCN. OF REGISTERED NURSES; VETERINARY ASSOCN.; ASSOCN. OF ARCHITECTS; INST. OF CHARTERED ACCOUNTANTS; OPTOMETRISTS; LAND SURVEYORS.

GENERAL INFORMATION (v. also p. 340)

Established by Act of the Provincial Legislature in 1907, the Univ. opened classes in Arts and Science in 1909 and took over the educational work of the Provincial Department of Agriculture in 1910. Schools of Engineering, Law, Pharmacy, and Accounting were opened in 1912, 1913, 1914, and 1917 respectively. The Summer School was organized in 1917, the Pre-Medical School in 1925. 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 $3,800,000.

Of the Board of Governors 5 members are elected by the Senate and 3 appointed by Govt.; the President is a member. The Senate (19 members elected by graduates, who also elect the Chancellor, and 13 *ex officio*, including the Minister of Education) regulates educational matters, the administration of which is controlled for the Univ. as a whole by an Academic Council and within each College by the Faculty. The President is a member of each of these bodies, and no appointment or dismissal is made without his recommendation. The maintenance of the Univ. is partially provided for by assignments of revenue and legislative grants. The annual budget exceeds $500,000.

The University conducts the LICENCE EXAMINATIONS for the following professions:—Medicine, Law, Dentistry, Accounting, Architecture, Nursing, Veterinary, Optometry, Pharmacy, Land Surveyors.

LIBRARY, 35,000 vols. LABORATORIES: Chem., Phys., Biol., Bact., Engin., Agric. Engin., Farm (830 a.), Agric. Exper. Fields (450 a.).

FACULTIES. Arts and Science, Agric., Law, Engineering, Pharmacy. School of Accounting, School of Medical Sciences.

DEGREE COURSES. 4 yrs., B.A., B.Sc., B.Acc., B.S.P. (Pharmacy), B.S.A. (Agric.), B.E. (Engin.), LL.B. (3 or 4 yrs.); combined B.A. and B.S.A., 6 yrs. This Univ. has the sole right to confer degrees (other than Theol.) in the Province.

HIGHER DEGREES. Examn. open to Bachelors of 1 yr. standing—M.A., M.Sc., M.S.A.

DIPLOMAS AND CERTIFICATES. A 3-yr. course in Agric. leads to the "Associateship in Agric." A 2-yr. certif. course is given in Pharmacy.

OTHER COURSES. Summer School in co-operation with Provincial Department of Education. Short Courses on Agricultural and allied subjects.

INTERCHANGE OF PROFESSORS with Alberta and Manitoba takes place regularly.

FEES. Tuition for degree course in Agric., $60; Engin., $60; Acc., $60; Pharm., $60; Arts and Sc., $6 each class.

SCHOLARSHIPS FOR GRADUATES. One in Arts or Sc., $100 p.a.; one in Engin., $50; one in Law, $50; one in Agric., $50.

RESIDENCE. Hostels for 200 men and 30 women. Board and room fees, $8 or $9 a week.

UNIV. EXTENSION. In Farming and Home Economics short courses by itinerant lecturers at local centres. Annual convention (one week) in winter; 6 weeks' course in summer for teachers and others, at the Univ., *e.g.* in Economics, Life Insurance. Bulletins, fairs and shows.

A 3-yr. course is given in the PRE-MEDICAL SCHOOL, including Anatomy and Physiology.

PUBLICATIONS. *Calendar* (April); *Agric. Bulletins*; *Sheaf*.

THE YEAR 1925–26

ENGINEERING BUILDING destroyed by fire; replaced at a cost of $397,000.

NEW DEPARTMENTS of Anatomy and Physiology opened. School of Pre-Medical Studies, including Anatomy and Physiology, Bacteriology and Pathology, established.

INTERCHANGE OF TEACHERS (in addition to the usual interchange of Professors with Alberta and Manitoba): T. Alty (Physics) from Durham; J. Bentley (English) from Harvard; F. H. Edmunds (Agriculture, Soils) from Liverpool; Bertha Oxner (Household Science) from Acadia; R. T. McGibbon (Anatomy) from Manitoba; J. M. D. Scott (Physiology) from London; Edith Brown (English) from Darlington; C. H. Rang (Pharmacy) from Wisconsin; E. Boucher (French) from Montreal.

RETIREMENT. Dean Campbell (Pharmacy). RESIGNATION: Prof. Muller (French).

STUDENTS. Full-time: Total, 883 (including 219 women); in Arts and Pure Science, graduates 23 (w. 3), undergrads. 542 (w. 216); Agric., grads. 3, undergrads. 43, others 61; Law, undergrads. 41 (w. 2); Engineering, grads. 3, undergrads. 78; Pharmacy, grads. 1, undergrads. 8 (w. 2), others 58 (w. 3); Accounting, undergrads. 20. Residing in colleges or hostels, 310 (w. 90). Of full-time students about 50 per cent were born in Canada, 32 per cent in British Isles, 12 per cent in continental Europe, 5 per cent in U.S.A.

Part-time: in Arts and Science, 140 (w. 108); Accounting, 10.

Short-courses: at Univ., 734 (w. 54); in province, about 18,000.

Summer School: 344 (w. 198).

DEGREES OBTAINED. B.A., 63 (w. 37); B.Sc., 7; B.S.A., 13; B.E., 3; B.Acc., 3; B.S.P., 4; LL.B., 8; M.A., 4 (w. 2); M.Sc., 3; M.S.A., 3. Graduates who held scholarships from Sask. for study abroad: L. H. Neatby, History, London; Hilda Neatby, French, Paris; C. G. Clark (Rhodes), Oxford; E. F. Hill, Agric., Cornell; also graduated scholars from Toronto (English, Maths., Physics), McGill (Physics), Minnesota (Chem. and Agric.), Chicago (Educn. and Econ.), Iowa (Agric.), Wisconsin (Agric.), Calif. Inst. Tech. (Physics), Calif. (Plant Pathology).

UNIVERSITY OF TORONTO

with which are federated

VICTORIA UNIVERSITY,
THE UNIVERSITY OF TRINITY COLLEGE, TORONTO, and
ST. MICHAEL'S COLLEGE, TORONTO.

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CHANCELLOR—The Rt. Hon. Sir WM. MULOCK, P.C., K.C.M.G., M.A., LL.D.

PRESIDENT—Sir ROBERT A. FALCONER, K.C.M.G., D.Litt., LL.D., D.D., D.C.L. Ox.

REGISTRAR OF THE UNIVERSITY AND SECRETARY OF THE FACULTY OF ARTS—J. BREBNER, B.A., LL.D.

SECRETARIES OF OTHER FACULTIES:

MEDICINE—E. S. RYERSON, M.D., C.M.

APPLIED SCIENCE AND ENGINEERING—J. M. ROBERTSON, B.A.Sc.

HOUSEHOLD SCIENCE—CLARA C. BENSON, Ph.D.

EDUCATION—LYDA SWINARTON.

FORESTRY—J. H. WHITE, M.A., B.Sc.F., Ph.D.

MUSIC—ANNIE W. PATTERSON, B.A.

SCHOOL OF GRADUATE STUDIES—NORA MACKENZIE.

DENTISTRY—C. C. ROUS, B.A.Sc.

BURSAR—F. A. MOURÉ, Mus.Doc.

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SUPT. OF BUILDINGS AND GROUNDS—A. D'O. LE PAN, B.A.Sc.

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WARDEN OF HART HOUSE—J. B. BICKERSTETH, M.A.

DIRECTOR OF UNIV. HEALTH SERVICE—G. D. PORTER, M.B.

MEDICAL ADVISER FOR WOMEN STUDENTS—EDITH GORDON, B.A., M.B., D.P.H.

PROFESSORS, LECTURERS, ETC.

Accounting

Ferguson, W. S. Lectr.

Anatomy, v. also Biol. [Prof.

McMurrich, J. P., M.A., Ph.D. J.H.U., LL.D. Mich., Cinn.

Watt, J. C., M.A., M.D. Assoc. Prof.

Linell, E. A., M.D. Manc., M.B., Ch.B. Assoc. Prof.

Cates, H. A., M.B. Asst. Prof.

2 Demrs.

Anthropology, v. Ethnology

Architecture
Wright, C. H. C., B.A.Sc. Prof.
Madill, H. H., B.A.Sc. Asst. Prof.
Arthur, E. R., M.A., B.Arch. Liv. Asst. Prof.
Dunington Grub, H. B., B.S.A. Cornell
Spl. Lectr. (Landscape A.).
3 Instrs., 1 Asst.

Astronomy [Prof.
Chant, C. A., M.A., Ph.D. Harv.
Young, R. K., B.A., Ph.D. Cal. Assoc. Prof.

Bacteriology, v. Med.—Path.

Bio-Chemistry
Hunter, A., M.A., B.Sc., M.B., Ch.B. Edin. Prof.
Wasteneys, H., Ph.D. Col. Prof.
Speakman, H. B., M.Sc. Manc. (Zymol.) Assoc. Prof.
1 Demr., 3 Assts., 3 Fellows.

Biology [Prof. (*Zool.*).
Bensley, B. A., Ph.D. Col.
Piersol, W. H., B.A., M.B. Prof. (*Histol.* and *Embryology*).
Walker, E. M., B.A., M.B. Prof.
Huntsman, A. G., B.A., M.B. Assoc. Prof. (Marine B.).
Coventry, A. F., B.A. Ox. Assoc. Prof. (Vertebrate *Embryology*).
Dymond, J. R., M.A. Asst. Prof. (Syst. *Zool.*).
MacArthur, J. W., A.B. Ober., M.A. Wabash, Ph.D. Chic. Asst. Prof. (*Genetics*).
Baillie, W. H. T., M.A., M.B. Asst. Prof. (Mamm. *Anat.*).
Craigie, E. H., B.A., Ph.D. Asst. Prof. (Comp. *Anat.* and *Neur.*).
Harkness, W. J. K., M.A. Lectr. (Limnobiology).
Ford, Norma H. C., Ph.D. Lectr.

Botany [Prof.
Faull, J. H., B.A., Ph.D. Harv.
Thomson, R. B., B.A. Prof. (Phan.B.).
Coleman, L. C., B.A., Ph.D. Gött. Prof. (Plant Path.).
Duff, G. H., Ph.D. Asst. Prof. (Plant Physiol.).
Sifton, H. B., Ph.D. Asst. Prof.
Wright, Jessie G., Ph.D. Lectr.
6 Assts.

Ceramics, v. Engineering (Met.)

Chemistry, v. also Eng., Food
Miller, W. L., B.A., Ph.D. Munich (Physical C.) Prof.
Allan, F. B., Ph.D. (Org. C.) Prof.
Kenrick, F. B., M.A., Ph.D. Leip. Prof.
Burt-Gerrans, J. T., Phm.B., Ph.D. (Electro-C.) Assoc. Prof.
Rogers, L. J., B.A.Sc., M.A. Assoc. Prof.
Funnell, W. S., M.A. Asst. Prof.
Martin, W. H., Ph.D. Asst. Prof.
Gordon, A. R., Ph.D. Lectr.
13 Assts.

Civic Design, v. Town Planning

Classics : Greek [Prof. (C.).
Hutton, M., M.A. Ox., LL.D.
Owen, E. T., M.A. Assoc. Prof. (C.).
Hamilton, D. E., M.A., D.Paed. Assoc. Prof. (C.).
Robertson, J. C., M.A. (Gk. Lang. and Philos.) Prof. W. E. H. Massey Prof. (V.).
Carr, H., B.A., LL.D. (Gk. and Hist. of Philos.) Prof. (M.).
1 Instr. (M.).

Classics : Greek and Latin
Robertson, H. G., B.A., Ph.D. Chic. Lectr. (V.).
Adams, S. M., M.A. Assoc. Prof. (T.).

(C.), (V.), (T.), (M.) = Univ , Victoria, Trinity, St. Michael's College.

Classics : Latin
Norwood, G., M.A. Camb. Prof.
Smith, G. Oswald, M.A. Ox. Assoc. Prof. (C.).
Dale, E. A., M.A. Ox. Assoc. Prof. (C.).
Duff, D., M.A., B.D. Edin. Assoc. Prof. (C.).
Harris, Evangeline, B.A. Tor. and Ox., M.A. Lectr. (C.).
De Witt, N. W., B.A., Ph.D. Chic. (Latin Lit.) Prof. (V.).
Kirkwood, W. A., M.A., Ph.D. Harv. Prof. (T.).
Woodcock, J. N., M.A. Ox. Prof. (T.).
McBrady, R. Prof. (M.).
Muckle, J., M.A. Prof. (M.).
Walsh, J. B., M.A. Cath. U.A. Assoc. Prof. (M.).
St. John, M., B.A. Lectr. (M.).
1 Fellow (V.).

Dentistry, v. *infra*

Drawing, Engineering
Cockburn, J. R., B.A.Sc. Prof. (Descr. Geometry).
Smither, W. J., B.A.Sc. Asst. Prof. (Struct. Eng.).
Wright, W. J. T., B.A.Sc. Asst. Prof.
Dunbar, W. B., B.A.Sc. Lectr.

Economics, v. Pol. Econ.

Education, v. also Household Sc., Music
Pakenham, W., B.A., LL.D. Prof. (School Admin.).
Sandiford, P., M.Sc. Manc., Ph.D. Col. Prof. (Educn. Psych.).
Cornish, G. A., B.A. Assoc. Prof.
Crawford, J. T., B.A. Assoc. Prof.
Ferguson, W. C., B.A. Assoc. Prof.
Jones, Geo. M., B.A. Assoc. Prof.
Coombs, F. E., M.A. Assoc. Prof.
Macpherson, W. E., B.A., LL.B. Qu. Asst. Prof.
Carlisle, J. O., M.A. Asst. Prof.
Perry, S. W., B.A. Lectr. (Art & Com. Wk.).
Scarrow, A. N. Lectr. (Manual Train.).
Halbus, F., B.A. McM. Lectr. (Phys. Tr.).
17 Instrs.

Embryology, v. Biol.

Engineering, Chemical, and Applied Chemistry
Bain, J. W., B.A.Sc. Prof.
Boswell, M. C., B.A.Sc., M.A. Harv., Ph.D. Prof. (Org. Chem.).
Ardagh, E. G. R., B.A.Sc. Assoc. Prof.
Smith, E. A., M.A. McM. Lectr.
1 Instr., 4 Demrs.

Engineering, Civil, and Applied Mechanics
Gillespie, P., M.Sc., C.E. Prof.
Young, C. R., B.A.Sc., C.E. Prof. (Struct. Eng.).
Loudon, T. R., B.A.Sc. Prof. (App. Mech.).
Laing, A. T., B.A.Sc. Assoc. Prof. (Highway Eng.).

Engineering, Electrical
Rosebrugh, T. R., M.A. Prof.
Price, H. W., B.A.Sc. Prof.
Zimmer, A. R., B.A.Sc. Asst. Prof.
Guest, W. S., B.A.Sc. Lectr.
Soucy, C. I., B.A.Sc. Lectr.

Engineering, Mechanical
Angus, R. W., B.A.Sc. Prof.
Allcut, E. A., M.Sc. Birm. Assoc. Prof.
Parkin, J. H., B.A.Sc., M.E. Assoc. Prof.
Taylor, R., B.A.Sc. Asst. Prof.
McIntosh, W. G., B.A.Sc. Lectr.

Engineering, Metallurgical
Guess, G. A., M.A. Qu. Prof.
Newcombe, J. A., B.Sc. Lond. Asst. Prof.
Toomer, J. E., B.S. N. Carolina Asst. Prof.

(C.), (V.), (T.), (M.) = Univ., Victoria, Trinity, St. Michael's College.

Montgomery, R. J., Ceramic Engineer, Ohio
Asst. Prof. (Ceramics).

Engineering, Mining
Haultain, H. E. T., C.E. Prof.
King, J. T., B.A.Sc. Asst. Prof.
Dyer, F. C., B.A.Sc. Asst. Prof.

English, v. also Philos.
Wallace, M. W., B.A., Ph.D. Chic. Prof. (C.).
Knox, R. S., M.A. Aberd., B.A. Ox. Assoc. Prof. (C.).
Davis, H. J., M.A. Ox.
Assoc. Prof. (C.).
Clawson, W. H., B.A. N.Br., M.A., Ph.D. Harv.
Assoc. Prof. (C.).
McCorkell, E. J., B.A., M.A., Cath. U. Am. Prof.
Macdonald, J. F., M.A.
Assoc. Prof. (C.).
Wookey, Gladys E., M.A.
Lectr. (C.).
Kirkwood, Mossie M., Ph.D.
Spl. Lectr. (C.).
Lobb, Adeline, B.A. Ox., M.A.
Lectr. (C.).
1 Instr. (M.).
Edgar, O. P., B.A., Ph.D. J.H.U. Gooderham Prof. (V.).
Auger, C. E., B.A. Prof. (V.).
Pratt, E. J., Ph.D. (Spl. Lectr. Dent. Students) Assoc. Prof.
Robins, J. D., M.A.
Assoc. Prof. (V.).
Simpson, H. C., B.A. Ox., M.A. Tor. & Harv.
Prof. (E. Lit.) (T.).
Hodgins, L. C. A., M.A. Harv.
Prof. (T.).
Cartwright, Mabel, B.A., LL.D.
Lectr. (T.).
Perpetua, M., B.A.
Assoc. Prof. (M.).
Margarita, M. M., B.A.
Assoc. Prof. (M.) (Anglo-Saxon).
Dorothea, M. Lectr. (M.).
Athanasia, M., M.A. De Paul.
Lectr. (M.).

Lectrs. for Med. and Applied Science Students:
Daniher, E. L., B.A.
Van Every, J. F., B.A.
Robertson, J. M., B.A.Sc.

Ethnology and Anthropology, v. Philos.
McIlwraith, T. F., M.A. Camb.
Asst. Prof. (A.).

Food Chemistry
Benson, Clara C., Ph.D. Prof.
1 Instr.

Forestry
Howe, C. D., M.S. Ver., Ph.D. Chic. Prof.
White, J. H., M.A., B.Sc.F., Ph.D. Assoc. Prof.
Millar, W. N., B.Sc. Penn., M.F. Yale Assoc. Prof.
Dwight, T. W., B.Sc.F., M.F. Yale Assoc. Prof.
1 Instr.

French
Cameron, J. H., M.A. Prof. (C.).
Jeanneret, F. C. A., B.A.
Prof. (C.).
Will, J. S., B.A., Ph.D. Col.
Prof. (C.).
Green, F. C. Prof. (C.).
De Champ, St. E., B. ès L. Lyons, O.I.P. Assoc. Prof. (C.).
Allen, L., Ph.D. Chic.
Assoc. Prof. (C.).
McKellar, H. S., B.A.
Asst. Prof. (C.).
Andison, J. G., B.A. Man., A.M., Ph.D. Col. Asst. Prof. (C.).
McAndrew, W. J., M.A.
Asst. Prof. (C.).
Poirier, M., L. ès L. Lectr. (C.).
Cole, Freda A. C., M.A. Lectr. (C.).
Ford, H. E., M.A., Ph.D. Col.
Prof. (V.).

(C.), (V.), (T.), (M.) = Univ., Victoria, Trinity, St. Michael's College.

De Beaumont, V., M.A. Col. Prof. (V.).
Lacey, A., M.A. Lectr. (V.).
Rowell, Mary C., M.A. Lectr. (V.).
Lasserre, H., B. ès L., B. ès Sc., L. en Dr. Lectr. (V.).
Colclough, B. P., B.A. King's (Oral F.) Spl. Lectr. (V.).
Kittredge, R. E. L., M.A. Harv. Prof. (T.).
Norton, A. A., B.A. Camb. Lectr. (T.).
Murray, W. H., B.A. Prof. (M.).
Rush, E. L., B.A. Lectr. (M.).
Agnes, M., M.A. Lectr. (M.).
Estelle, M. M., M.A. Lectr. (M.).
Bernard, M., M.A. Lectr. (M.).
4 Instrs. (C.), 1 Instr. (V.), 2 Instrs. (T.), 1 Instr. (M.).

Genetics, v. Biology

Geology
Parks, W. A., Ph.D. Prof.
Moore, E. S., M.A., Ph.D. Chic. (Economic G.) Prof.
MacLean, A., B.A. Assoc. Prof.
2 Class Assts.

German, v. also Philol.
Needler, G. H., B.A., Ph.D. Leip. Prof. (C.).
Fairley, B., M.A. Leeds, Ph.D. Jena Prof. (C.).
Hedman, T., Ph.B. Chic. Assoc. Prof. (C.).
Holt, G. E., M.A., Mus.B. Asst. Prof. (C.).
Lang, A. E., M.A. Prof. (V.).
Addison, Margt., B.A. Lectr. (V.).
Surerus, J. A., B.A. Lectr. (V.).
Young, A. H., M.A., D.C.L. Prof. (T.).
Scott, Miss L. C., M.A. Assoc. Prof. (T.).
Welty, E. J., B.A. Western Assoc. Prof. (M.).

Hebrew
Rollo, W., M.A. Aberd. Lectr. (T.).

Histology, v. Biology

History
Wrong, G. McK., M.A., LL.D. McG. Prof.
Smith, G. M., B.A., M.A. Ox. Assoc. Prof.
Flenley, R., M.A. Liv., B.Litt. Ox. Assoc. Prof.
Wrong, H. H., B.A. Ox., B.Litt. Ox. Asst. Prof.
Brown, G. W., B.A., Ph.D. Chic. Lectr.
Proby, J. C. P. Lectr..
Pearson, L. B., B.A. Ox. Lectr.
Glazebrook, G. P. de T., B.A., B.A. Ox. Lectr.

History, Ancient
Milner, W. S., M.A. (Greek and Roman H.) Prof. (C.).
Cochrane, C. N., M.A. Ox. Assoc. Prof. (C.).
Brown, A. Grant, M.A. Ox. Assoc. Prof. (C.).
Sissons, C. B., B.A., LL.D. Ottawa Nelles Prof. (V.).
Duckworth, H. T. F., M.A. Ox. Prof. (T.).

History of Industrial Art
Currelly, C. T., M.A. Prof.
Harcum, Cornelia, B.A., Ph.D. J.H.U. Asst. Prof.

Household Science, v. also Food
Laird, Annie L., M.S. Drex. Prof.
Willard, Alice C. Asst. Prof.
McMillan, Eva M., Ph.B. Chic. Lectr.
Valentine, Charlotte F., M.A. Lectr.
Ockley, Laura L., B.A. Asst. Prof. in Coll. of Educ.
2 Instrs.

Italian and Spanish
Buchanan, M. A., B.A., Ph.D. Chic. Prof.
Shaw, J. E., A.B., Ph.D. J.H.U. Prof.

(C.), (V.), (T.), (M.) = Univ., Victoria, Trinity, St. Michael's College.

Goggio, E., A.B., Ph.D. Harv., M.A. Assoc. Prof.
Patterson, G. C., B.A. Asst. Prof.
Cano, J., A.B. Tol., A.M. Col. Asst. Prof.
Hilborn, H. W., M.A. Lectr.

Law
Kennedy, W. P. McC., M.A. Ox., Litt.D. Dub. Prof. (L. and *Political Institutions*).
Mackenzie, N. Assoc. Prof.
Davison, J. F., B.A., LL.B. Dal., LL.M. Harv. (Roman L. & Jurisp.) Lectr.
Laidlaw, R. E., B.A.Sc. Spl. Lectr. (Engin. L.).

Mathematics [Prof.
De Lury, A. T., M.A., LL.D. West.
Fields, J. C., B.A., Ph.D. J.H.U., F.R.S. Research Prof.
Mackenzie, M. A., M.A. Camb. Prof.
Beatty, S., Ph.D. Prof.
Chapelon, J., Dr.Sc. Paris Prof.
Pounder, I. R., M.A. Assoc. Prof.
Webber, W. J., B.A. Camb. Asst. Prof.
Stevenson, A. F. C., B.A. Camb. Lectr.
Robinson, D. A. F., M.A. Lectr.
1 Instructor and 3 Fellows.

Mechanics
Loudon, W. J., B.A. Prof.
Sheppard, N. E., M.A. Asst. Prof.

Medicine and Surgery, v. *infra*

Metallurgy, v. Engin.

Military Studies
..... Director.
Cartwright, G. S., C.B., C.M.G. Spl. Lectr.

Mineralogy
Walker, T. L., M.A. Qu., Ph.D. Leip. Prof.
Parsons, A. L., B.A. N.Y. Assoc. Prof.
Thomson, J. E., B.A.Sc. Asst. Prof.
1 Demr.

Mining, v. Engin.

Music
Fricker, H. A., M.A., Mus.Doc. (Choral and Orch. M.) Lectr.
MacMillan, E., B.A., Mus.Doc. Ox. (Church M.) Lectr.
Mouré, F. A., Mus.Doc. (Hist. of M.) Lectr.
Willan, H., Mus.Doc. (Theory of M.) Lectr.
Bramfitt, G. N., B.A. Lectr. (Coll. of Educ.).

Oriental Lang., v. also Hebrew
Taylor, W. R., Ph.D. Prof. (C.).
Meek, T. J., B.A., B.D. McCorm., Ph.D. Chic. Prof. (C.).
Irwin, W. A., M.A., D.B., Ph.D. Chic. Asst. Prof. (C.).
McLaughlin, J. F., B.A., D.D. (Langs. and Lit.) Massey Prof. (V.).
Potter, W. A., M.A., B.D. Prof. (V.).
1 Fellow (C.).

Philosophy, v. also Classics
Hume, J. G., B.A., A.M. Harv., Ph.D. Frei. (Baden) (Hist. of P.) Prof.
Brett, G. S., M.A. Ox. Prof.
Robinson, T. R., Ph.D. Assoc. Prof.
Anderson, F. H., Ph.D. Asst. Prof.
Tracy, F., B.A., Ph.D. Clark (Ethics) Prof. (C.).
Lane, W. B., M.A., Ph.D. Wisc. (Ethics) Ryerson Prof. (V.).
Brown, W. T., M.A., Ph.D. Harv. (Ethics) Prof. (V.).
Kingston, G. F., M.A., B.D. King's, Ph.D. (Ethics) Assoc. Prof. (T.).

(C.), (V.), (T.), (M.) = Univ., Victoria, Trinity, St. Michael's College.

Windle, Sir B., M.A., M.D., Sc.D., LL.D., F.R.S. (Spl. Lectr. in Ethnology in the Univ.) Prof. (M.).
De Wulf, M., M.A., Ph.D., LL.D. Louvain Prof. (Mediæval P.) (M.).
Roach, W. J., B.A. Prof. (Ethics) (M.).
McCorkell, E. J., B.A., M.A. Cath.U.Am. (Prof. of *English*). Prof. (Social Ethics) (M.).
Bellisle, H. S., B.A., M.A. Cath.U.Am. (Logic) Prof. (Logic) (M.).
Hurley, A. E., S.T.L. (Theodicy) Prof. (M.).
Sullivan, B., M.A. (Soc. Eth.) Lectr. (M.).

Physics, v. also Mechanics
McLennan, J. C., O.B.E., Ph.D., D.Sc., LL.D., F.R.S. Prof.
Burton, E. F., B.A. Camb., Ph.D. Prof.
Satterly, J., M.A. Camb., D.Sc. Lond. Prof.
Gilchrist, L., M.A., Ph.D. Chic. Assoc. Prof.
McTaggart, H. A., B.A. Camb., Ph.D. Assoc. Prof.
10 Demrs., etc.

Physics, Engineering, and Photography
Anderson, G. R., M.A. (also Lectr. in *Dental Physics*) Prof.
Jackson, K. B., B.A.Sc. Lectr.
1 Instr., 1 Demr.

Physiology
Macleod, J. J. R., M.B., Ch.B. Aberd., D.P.H. Camb., D.Sc., F.R.S. Prof.
Olmsted, J. M. D., M.A. Ox., Ph.D. Harv. Assoc. Prof.
Taylor, N. B., M.B. Assoc. Prof.
1 Demr. and 3 Fellows.

Political Economy, v. also Law
MacIver, R. M., M.A., D.Phil. Edin., B.A. Ox. Prof.
Fay, C. R., M.A. Camb., D.Sc. Lond. (Econ. Hist.) Prof.
Jackman, W., M.A. (Rural Econ.) Prof.
Jackson, G. E., B.A. Camb. Assoc. Prof.
Innis, H. A., M.A. McM., Ph.D. Chic. Asst. Prof.
Kemp, H. R., M.A. Asst. Prof.
Bladen, V. W., B.A. Ox. Lectr.
Brady, A., B.A., B.A. Ox. Lectr.
McDougall, J. L., M.A. Lectr.
Glazebrook, A. J. (Banking and Finance) Spl. Lectr.

Psychology
Bott, E. A., B.A. Assoc. Prof.
MacPhee, E. D., M.A., B.Educn. Edin. Asst. Prof.
Blatz, W. E., M.A., M.B., Ph.D. Chic. Asst. Prof.
Chant, S. N. F., M.A. Lectr.
Phelan, G., M.A. St. Francis Xavier, Ph.D. Louvain (Psychol.) Prof. (M.).
1 Instr., 2 Class Assts.

Public Health Nursing [Director.
Russell, Edith K., B.A. King's
Emory, Florence Asst. Director and Lectr.

Public Speaking
Greaves, W. H., M.A. Bost. Spl. Lectr.

Religious Knowledge, v. *infra*, Federated Univs and Colls.

Social Service
Dale, J. A., M.A. Ox. Director and Prof. (Soc. Science).
McGregor, Agnes Director of Field Work.
Macmillan, J. W., B.A., D.D. Prof. (V.) (Sociology).
12 Lectrs. (part time).

Spanish, v. Italian

Surveying [Prof.
Stewart, L. B. (S. and Geodesy)

(C.), (V.), (T.), (M.) = Univ., Victoria, Trinity, St. Michael's College.

Treadgold, W. M., B.A. Assoc. Prof.
Crerar, S. R., B.A.Sc. Assoc. Prof.
Banting, E. W., B.A.Sc. Asst. Prof.
Melson, J. W., B.A.Sc. Lectr.

Town Planning
Seymour, H. L., C.E. Lectr.

Zoology, v. Biology

Zymology [Assoc. Prof.
Speakman, H. B., M.Sc. Manc.

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

Bacteriology, v. Pathology

Dentistry, v. *infra*

Gynæcology, v. Obstetrics

History of Medicine
Fotheringham, J. T., C.M.G., B.A., M.B., M.D., C.M., LL.D. Qu. Prof.

Hygiene, v. also Food
Fitzgerald, J. G, M.D. Prof.
Defries, R. D., M.D., D.P.H. Assoc. Prof.
Fraser, D. T., B.A., M.B., D.P.H. Asst. Prof.
Moloney, P. J., Ph.D. Asst. Prof.
Porter, G. D., M.B. Lectr.
3 Demrs., 2 Class Assts.

Medical Ethics
Cameron, I. H., M.B., LL.D. Edin., F.R.C.S. Eng. Spl. Lectr.

Medical Jurisprudence
Silverthorn, G., M.B. Prof. (also Asst. Prof. Surg. and Clin. Surg.).

Medical Research
Banting, F. G., M.D., LL.D. Qu., D.Sc. Prof.

Medicine and Clinical Medicine
Graham, Duncan A. L., M.B. Prof.
Smith, D. K., M.B. Asst. Prof.
Howland, G. W., B.A., M.B. Asst. Prof.
Oille, J. A., M.D. Asst. Prof.
Goldie, W., M.B. Assoc. Prof. (Clin. Med.).
Clarkson, F. A., M.B. Asst. Prof. (Clin. Med.) (also Assoc. Prof. in Fac. of Dent.).
Young, G. S., B.A., M.B. Asst. Prof.
Campbell, W. R., M.A., M.B. Assoc.
Hutchison, H. S., M.B. Assoc.
Elliott, J. H., M.B. Assoc.
Loudon, J. D., B.A., M.B. Assoc.
Parsons, H. C., M.A., M.D., C.M. Assoc.
28 Demrs., 2 Fellows.

Obstetrics and Gynæcology
Hendry, W. B., B.A., M.B. Prof.
McIlwraith, K. C., M.B. Assoc. Prof. (Obstet.).
Marlow, F. W., M.D., C.M. F.R.C.S.Eng. Assoc. Prof. (Gynæc.).
Cleland, F. A., B.A., M.B. Asst. Prof.
Frawley, N. D., M.B. Asst. Prof.
Wesley, R. W., M.B. Asst. Prof.
Gallie, J. G., B.A., M.B. Assoc.
Kinnear, J. A., M.D., C.M. Assoc.
Scott, W. A., B.A., M.B. Assoc.
8 Demrs.

Ophthalmology [Prof
MacCallum, J. M., B.A., M.D.
Lowry, W. H., M.D., C.M. Asst. Prof.
Maclennan, D. N., M.D., C.M. Asst. Prof.
1 Asst., 4 Demrs.

Oto-Laryngology
Goldsmith, P. G., C.B.E., M.D., C.M. Prof.
Royce, G., B.A., M.B. Assoc. Prof.
Biggs, G. M., M.B. Assoc.

Boyd, E., B.A., M.B. Assoc.
5 Demrs.

Pathology and Bacteriology
Klotz, O., M.B., M.D., C.M. McG. Prof.
Holmam, W. L., B.A., M.D., C.M. McG. Assoc. Prof. (Bact.).
Robinson, W. L., B.A. McM., M.B. Asst. Prof. (Path.).
Magner, W., M.D., D.P.H. Spl. Lectr. (Path.).
Bates, J. E., B.A. McM., M.B. Lectr. (Path.).
Cameron, G. C., M.D. Lectr. (Bact.).
5 Assts., 3 Fellows, 1 Demr., 1 Assoc.

Pathological Chemistry
Harding, V. J., D.Sc. Manc. Prof.
Hunter, G., M.A., B.Sc. (Agric.) Glas. Asst. Prof.
2 Fellows, 1 Demr., 2 Assts.

Pediatrics
Brown, A., M.B. Assoc. Prof.
Canfield, A. W., M.D. Assoc.
7 Demrs.

Pharmacy and Pharmacology
Henderson, V. E., M.A., M.B. Prof.
Lucas, G. H. W., Ph.D. Asst. Prof. (Pharmacol.).
2 Assts., 1 Fellow.

Psychiatry
Farrar, C. B., A.B. Harv., M.D. J.H.U. Prof.
5 Demrs.

Radiology
Richards, G. E., M.B. Assoc.
2 Asst. Demrs.

Surgery and Clinical Surgery, v. also Med. Jurisp.
Starr, C. L., M.B., M.D. Bellevue, N.Y., LL.D. McM. Prof. (Surg.).
Primrose, A., C.B., M.B., C.M. Edin., F.R.C.S.Eng. Prof. (Clinical S.).
Bruce, H. A., M.D., F.R.C.S.Eng, Prof. (Clinical S.).
Starr, F. N. G., C.B.E., M.B., M.D., C.M. Prof. (Clinical S.).
Gallie, W. E., M.D., F.R.C.S.Eng. Asst. Prof.
Jones, W. W., B.A., M.B., F.R.C.S.Eng. Asst. Prof.
Beatty, H. A., M.B. Asst. Prof.
Wilson, G. E., M.B., F.R.C.S. Eng. Assoc.
Cameron, M. H. V., M.B. Assoc.
Clutterbuck, H. E., M.D., C.M., F.R.C.S. Edin. Assoc.
Robertson, D. E., M.D. Assoc.
Scott, W. A., B.A., M.B., F.R.C.S. Eng. Assoc.
Shenstone, N. S., B.A., M.D. Assoc.
Shuttleworth, C. B., M.D., C.M., F.R.C.S. Eng. Assoc.
Ryerson, E. S., M.D., C.M. Assoc. (also Asst. Prof. in Fac. of Dent.).
25 Demrs., 2 Fellows.

Therapeutics
Rudolf, R. D., C.B.E., M.D., C.M. Edin., F.R.C.P. Lond. Prof.
Johnston, S., M.D. Lectr. (Anæsth.)
7 Demrs.

Dentistry

Applied Chemistry, Physics, and Metallurgy
Cowling, T., M.A. McM., D.D.S. Prof.
Rous, C. C., B.A.Sc. Lectr.

Clinical Dentistry
Mason, A. D. A., D.D.S. Prof.
7 Assocs., 15 Demrs.

Crown and Bridge Prosthesis
Ante, I. H., D.D.S. Prof.

Dental Anatomy
Ingram, J. W., D.D.S. Prof.
1 Assoc., 3 Demrs.

Dental Histology, Pathology, and Bacteriology
Graham, J. S., M.B. Prof.
2 Assocs.

Dental Physics, v. also Physics, Eng. and Phot.
2 Demrs.

Dental Praxis
Conboy, F. J., D.D.S. Prof.

Dental Surgery and Anæsthesia
Paul, E. W., D.D.S. Prof.
5 Assocs.

Operative Dentistry [Prof.
Webster, A. E., D.D.S., M.D.
Coram, J. W., D.D.S. Prof.
1 Assoc.

Oral Surgery [Assoc. Prof.
Risdon, F. E., M.B., D.D.S.

Orthodontia
Hume, G. G., D.D.S. Prof.
2 Assocs.

Peridontology
Box, H. K., D.D.S., Ph.D. Prof.
Trelford, W. G., D.D.S. Assoc. Prof.
2 Assocs.

Preventive Dentistry
Seccombe, W., D.D.S. Prof.
1 Assoc.

Prosthetic Dentistry and Dental Technology
Cummer, W. E., D.D.S. Prof.
Willmott, W. E., D.D.S. Assoc. Prof.
Grant, E. A., D.D.S. Assoc. Prof.
2 Demrs.

COLLEGES OF THE UNIVERSITY

UNIVERSITY COLLEGE. Principal—M. Hutton, M.A., LL.D.; Registrar—G. O. Smith, M.A.

VICTORIA COLLEGE. The Faculty of Arts of Victoria Univ., v. *infra*.

TRINITY COLLEGE. The Faculty of Arts of the Univ. of Trinity College, v. *infra*.

ST. MICHAEL'S COLLEGE. Superior—Rev. E. J. McCorkell, M.A.; Registrar—Rev. H. S. Bellisle, M.A. Other Teachers: the Profs., etc., marked (M.) in above list.

FEDERATED COLLEGES

ST. MICHAEL'S, v. *supra*.

KNOX COLLEGE and WYCLIFFE COLLEGE. Teachers giving instruction in Univ. courses (*Religious Knowledge*): (1) Knox—R. Davidson, Ph.D.; J. Dow, M.A.; A. Gandier, D.D., LL.D.; J. T. McNeill, M.A., Ph.D.; D. M. Ramsay, D.D. (2) Wycliffe—W. R. R. Armitage, M.A.; B. W. Horan, M.A., B.D.; E. A. McIntyre, M.A., B.D.; T. R. O'Meara, D.D., LL.D.; C. V. Pilcher, M.A., D.D.; W. E. Taylor, M.A., Ph.D.

AFFILIATED COLLEGES

ONTARIO AGRICULTURAL COLLEGE, GUELPH. President—J. B. Reynolds, M.A. 19 Profs., 9 Assoc. Profs., and 15 Lectrs. 18 Demrs. and Instrs.

ONTARIO COLLEGE OF PHARMACY, TORONTO. President of Council—Burwell Griffin; Registrar-Treasurer—J. F. Roberts. Faculty—4 Teachers.

ONTARIO VETERINARY COLLEGE, GUELPH. Principal—C. D. McGilvray, D.V.S.

ALBERT COLLEGE, Belleville; ALMA COLLEGE, St. Thomas; ONTARIO LADIES' COLLEGE, Whitby; ST. HILDA'S COLLEGE, TORONTO (the Women's RESIDENCE for Trin. Coll.).

ONTARIO COLLEGE OF ART.—Principal—G. A. Reid.

ROYAL COLLEGE OF DENTAL SURGEONS OF ONTARIO.

GENERAL INFORMATION (v. also p. 340)

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. In 1849 its title was changed to The University of Toronto. It was reorganized in 1853 as an examining and degree-conferring body on the model of the Univ. of London. In 1887 it again became a teaching body, the Faculties of Medicine and Law which had been abolished prior to the reorganization of 1853 were revived, the Arts work was divided between the Univ. and Univ. College, and provision was made for the admission of other institutions as Federated Colleges. Victoria, Trinity, and St. Michael's Colleges became integral parts of the Univ. in 1892, 1904, and 1907 respectively.

LIBRARY, 211,118 vols. and 73,014 pamphlets. Annual Grant for books, $29,000; 1800 periodicals and serials received. The (Science) Library of the Roy. Can. Inst. is housed in the same building. MUSEUMS: The Royal Ontario Museums—Archæology, Geology, Mineralogy, Palæontology, and Zoology; departmental museums; Trinity has a Nat. Hist. and Archæol. Museum of its own; the Agric. and Vet. Colleges, Knox, and the Faculty of Dentistry have each one.

LABORATORIES: in all depts. of Applied Science and Engineering as well as Anat., Bio-chem., Biol., Bot., Chem, Geol., Household Sc., Hygiene, Mineralogy, Path., Physics, Physiol.; described in *Bulletin* for Graduate Students. BOTANICAL GARDEN. OBSERVATORY. HOSPITALS available for Clinics: General, 750 beds; Children's, 262; St. Michael's, 325; Western, 120.

FACULTIES. Arts, Medicine, Applied Science and Engineering (Depts.—Archit., Civil E., Mining E., Mech. E., Chem. E., Elec. E., Metall. E.), Household Sc., Education, Forestry, Music, School of Graduate Studies, Dentistry. DEPARTMENTS. Social Service, Public Health Nursing, University Extension.

UNIVERSITY MATRICULATION BOARD. As a result of a conference of representatives of the Univs. of Toronto, Queen's, McMaster, and Univ. of Western Ont. held in Dec. 1908, the Senates of these Univs. created a Board to conduct and control their annual Matricn. examns. The Dept. of Educn. of Ontario agreed to provide the same machinery for holding these examns. as it employs for the Departmental examns., and the Registrar of the Dept. is Secy. of the Board. In connexion with the Matricn. examns. a report signed by all members of the staff of the school concerned as to the standing of their candidates is taken into account in determining the results.

The subjects of Pass Matricn. are (1) Latin, (2) English, (3) History, (4) Maths., (5) Greek, (6) French, (7) German, (8) Spanish or Italian, (9) Physics and Chemistry, or (10) Agric. For Matricn. in Arts it is necessary to pass in (1) to (4) and any two of (5) to (10) for admission to the Pass Course and with honour standing in at least 5 specified subjects for admission to an Honour Course. In certain cases foreign students may substitute their native language for Greek or French or German. Music is accepted as an option for Ancient

History (the subject of one of the two History papers, the other being British History).

For Matricn. in the Univ. of Toronto in Med. the requirements are (1) to (4), (9), and any one of (5) to (8) with honour standing in (2), (4), and one of (1) and (5) to (7); in Applied Sc. or Forestry—(2), (3), (4), and any three of (1) and (5) to (10) with honour standing in (2), (4), and one of (1), (5) to (8); in Household Science—(2), (3), (4), (9), and two of (5) to (8) for admission to the Pass Course, with honour standing in at least 4 specified subjects for admission to the Honour Course; in Music—the same as for admission to the Pass Course in Arts; in Dentistry—(1), (2), (3), (4), (9), and one of (5) to (8) with honour standing in (2), (4), and one of (1), (5) to (8).

Minimum age for admission to the Faculty of Arts, 16; Law, 21; Med., 17; Appl. Sc., 17; House. Sc., 16; Educn., 19; Forestry, 17; Dentistry, 16.

Degree Courses. 4 yrs.—B.A., B.Com., B.A.Sc., B.Arch., B.Sc. (Med.), B.H.Sc., B.Sc.F., B.S.A. and B.V.Sc. (at Guelph), Phm. B.; 3 yrs.—Mus. B.; 5 yrs.—D.D.S.; 6 yrs.—M.B. Combined courses: B.A. and M.B.—7 yrs.

Certificates of having passed certain examns. of the standard of the Oxford and Cambridge Local School Certif. may enable a student to enter at the second year the B.A. Pass course (but not an Honours course except in Polit. Sc. or Philos.), provided he is not less than 17 yrs. of age.

Students from the British Isles will be admitted to Medicine and Applied Sc. on submitting certificates of registration with the General Medical Council of Great Britain and the Institution of Civil Engineers.

Honour courses for the B.A. and B.H.Sc. are provided in Household Science.

The first 2 yrs. of the Law course may be taken in Arts in the Univ., the 3 remaining yrs. being taken at Osgoode Hall.

The B.Sc. (Med.) may be obtained by Med. students who, after the 4th or subsequent year of Med. study, having maintained therein a prescribed standard of proficiency, spend a year in an approved course of study, and show facility in reading one modern language besides English.

A student who has already graduated in the Faculty of Arts, Med., or Science 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 undergraduate course; and persons holding the L.D.S. of one of the Med. authorities of Great Britain or the B.D.S. degree of approved Australian Univs. may be admitted in the Faculty of Dentistry without further examn., and to the final D.D.S. examns. on completing one full session at the Faculty 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, on special conditions, another Faculty) of this or another recognized Univ. by pursuing in the Univ. of Toronto an advanced course of study for 3 yrs., exemption from 1 of which may be given in consideration of the candidate having already pursued such a course for 1 yr. A thesis embodying the result of an original investigation is required.

M.D. and Ch.M. 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 months—1 winter and 1 summer session.

The M.A.Sc. may be obtained by a B.A.Sc. of this 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 professional degrees, C.E., M.E. (Mining or Mech.), E.E., Chem.E. are open to candidates who, after obtaining the B.A.Sc. or diploma of the Faculty, spend 3 yrs. in the actual practice of one of these branches of engineering,

present a satisfactory thesis, and pass examns. The F.E. may similarly be obtained by a B.Sc.F.

The B.Pæd. and D.Pæd. are open to graduates in Arts or Science of any British Univ. who hold a 1st class or High School Asst.'s certif. of Ontario or its equivalent, and pass, after 2 yrs.' (D.Pæd.—3 yrs.) successful experience in teaching, prescribed examns. For the D.Pæd. a thesis is also required, and the candidate must have attended a summer course (or its equivalent) in each subject of examn.

The Mus.D. is open to a Mus.B. of this or another Univ. of 3 yrs.' standing.

The Univ. publishes annually an announcement of *Graduate Courses. All communications on the subject must be addressed to the School of Graduate Studies.*

RECOGNITION BY OTHER UNIVS. (v. pp. 110, 283, 292, 293, 325).

TRAINING OF TEACHERS. Courses are provided for Teachers' certificates of several grades, including the Household Science and the Physical Culture Teachers'. The Educn. Dept. of Ontario grants certifs. on the results of Univ. examns., entitling the holders to teach in the High Schools. All teachers for High Schools and Collegiate Institutes must spend at least 1 yr. in the College of Education.

FEES. Students proceeding to the B.A. and enrolled in one of the Colleges of the Univ. attend lectures of Univ. Profs. and Lectrs. in the Faculty of Arts without payment of fees except for laboratory supplies. The College Fees, which entitle students to attend lectures in their respective Colleges, amount to $75 p.a. Medical students pay for tuition, laboratory supply, hospital and annual examn., $200 ($150 for first year only) p.a. Certificate courses in the College of Education cost $25 p.a. Forestry, $125 p.a.; Applied Science and Engineering, $150 p.a.; Household Science, $100 p.a.; D.P.H., $150 p.a.; Dentistry, $200 p.a.

SCHOLARSHIPS, etc., open to graduates include $120 for 2 yrs. for Divinity course in Trinity Coll.; Fellowship in Philos., $300; $1000 Prize for Scientific research or invention, open to all Canadians; $1500 Scholarship in Medicine; $500 Fellowship in Anatomy; $750 Fellowships (one or more, each tenable for 3 yrs.) for research in Medicine; and others. War Memorial Scholarships in all faculties.

Two *Mickle* Fellowships (each endowment $25,000) awarded (1) to a member of medical profession as reward for advancement of practical knowledge in med. art or science, (2) to an undergraduate of fifth year in Medicine who obtains honours at that examn. with highest marks. Nine Fellowships, each $500 with free tuition for M.A. or Ph.D.; preference to graduates of Canadian Univs. outside Ontario. Eight of $500 (tutorial Fellowships) open to graduates of any Univ.

RESIDENCE. University Houses accommodate 150 men, rent, $4 per week; Queen's Hall, residence and board for 98 women at $9.50 per week; Univ. Coll. Houses, residence and board for women (65), about $9.50 per week; Victoria Coll. Halls for 132 men, about $9 per week, and 144 women, $200 to $300 p.a.; Trinity Coll. provides for 80 men and 70 women; St. Michael's (R.C.) has also residences for men and women.

PUBLICATIONS. *President's Annual Report*; *Board of Governors' Report*; *Calendars*, April-May; *Graduate Studies Bulletin*; *Bulletins of the Dept. of University Extension*; *Medical Bulletin*; *Univ. Monthly*; *Can. Historical Review*; *Univ. Studies*; Students' Mags.—*'Varsity*, *Torontonensis*.

THE YEAR 1925–26

BENEFACTIONS. Rockefeller Foundation, for Hygiene building, $300,000, and for current expenses of School of Hygiene, $12,500; Laura Spelman Rockefeller Memorial for Child Research, $12,000; John Honor Bequest, $7106; Margaret W. Baptie Bequest, $4000; Dr. D. C. Balfour, Lectureship in Surgery, $4000; Graduate Fellowships donated by C.P.Ry. and others, $3500; Clay Products Assocn. for Ceramics, $3000; Women's Liberal Assocn. for Laurier Memorial Scholarship, $2100; for Flavelle-Peacock Lectureship, $2500; Federation of Jewish Philanthropies, for Scholarship in Social Service, $1050; Fasken Trust, $1000; minor benefactions, $1375; Banting Research Foundation Subscriptions, $420,015; total, $799,622.

Special Legislative Grants received: To cover deficit for 1924–25, $935,626; for maintenance of Ontario College of Education, $145,785.

NEW BUILDINGS AND EQUIPMENTS. Forestry Buildings (completed 1925), approximate cost, $122,000. Under construction: Hygiene and Public Health, $434,000; Press Building Addition, $43,000; Hockey and Skating Arena, $224,000. Several properties were acquired for University purposes, including buildings for Department of Social Service and Men's Residence; the Dental College absorbed into the Univ. as the Faculty of Dentistry; Playing Field for Univ. Schools.

NEW DEPARTMENTS. Occupational Therapy (2-year course); St. George's School for Child Study.

IMPORTANT CHANGES IN REGULATIONS. Increase of entrance requirements for Faculty of Dentistry, to include Honour Matriculation as for Medicine. Music was accepted as an option for Ancient History of Pass Matriculation. A combined 4-year course in Nursing (taken partly at the General Hospital and partly in the Univ. Dept. of Public Health Nursing qualifying for Nurses' diploma from the Hospital Training School and the diploma in P.H. Nursing from the Univ.) was established. The degree of Master of the Science of Agric. was instituted.

RELATIONS WITH TECHNICAL SCHOOLS. The Univ. agreed to accept as one of the subjects for admission to the Faculty of Applied Science and Engineering, Arithmetic and Mechanical Drawing done in a Technical School approved by the Dept. of Education.

DEATHS. James Mavor, W. R. Lang, P. W. H. McKeown, R. G. McLaughlin. RETIREMENT: W. J. Alexander. RESIGNATIONS: M. Moraud, O. W. Ellis, Miss L. K. Stewart, J. L. Synge, H. Clare, A. M. Patience, S. G. Bennett. LEAVE granted to O. Klotz, Prof. of Pathology, to conduct research in W. Africa under International Health Board.

INTERCHANGE OF TEACHERS. Miss J. G. Wright, Lectr. in Botany, exchanged with Miss E. R. L. Reed of the Univ. of W. Australia; J. F. McDonald came from Queen's Univ., Kingston, as Lectr. in English; E. J. Urwick from London, as Lectr. in Pol. Econ.; J. A. Newcombe from Liverpool, as Asst. Prof. of Metallurgical Engineering.

HOLDERS OF TRAVELLING FELLOWSHIPS, ETC. American Univ. Scholarships, C. A. Pollock (Oxford), E. K. Brown (Paris); Parkin Memorial, C. M. Stewart (Oxford); John H. Moss Memorial, Miss N. C. Story (Wisconsin); Ellen Mickle Fellowship, D. W. Pratt (Freiburg).

IMPORTANT PUBLIC LECTURES IN THE UNIV. by Judge J. B. Moore of the Permanent Court of International Justice; by Prof. F. O. Bower (Botany) of

Glasgow; by Dr. Maxwell Garnett of the League of Nations Union of Great Britain; and by Dr. Gilbert Bagnoni of Rome.

HONORARY DEGREES. *LL.D.*—Rt. Hon. Baron Buckmaster; Rt. Rev. J. F. Sweeny, Col. C. S. MacInnes, Miss Mabel Cartwright, Viscount Allenby, Hon. Raoul Dandurand, Hon. H. T. Kelly, C. A. Magrath, Hon. W. E. Perdue, T. M. Porter, J. T. Shotwell, E. R. Wood. *Mus.D.*—Luigi Von Kunitz.

OTHER DEGREES. Ph.D., 10 (w. 2); M.A., 63 (w. 15); M.A.Sc., 5; M.Arch., 1; C.E., 1; D.Pæd., 2; B.A., 459 (w. 233); B.Comm., 22 (w. 1); M.B., 193 (w. 10); B.Sc. (Med.), 7 (w. 1); B.A.Sc., 89; B.Arch., 4; B.Pæd., 24 (w. 1); B.Sc.F., 13; Mus.Bac., 1; LL.B., 1; D.D.S., 83 (w. 3); B.S.A., 33; B.V.Sc., 12; Phm.B., 68 (w. 1); D.P.H., 3.

STUDENTS. Total number registered, 5480 (including 2023 women) as follows: (1) Faculty of Arts, 2626 (including 1246 women). Of these all except 330 were in the federated colleges, namely—Univ. Coll. 1347, Victoria 589, Trinity 166, St. Michael's 219. Of the 330 non-coll. students 298 were enrolled for part-time teachers' courses and summer session and 32 were occasional students. (2) Medicine, 808 (w. 66). (3) Applied Science and Engineering, 445 (w. 3). (4) Household Science, 57 (w.). (5) Education (Ontario Coll.), 504 (w. 224). (6) Forestry, 44. (7) Music, 63 (w. 39). (8) Dentistry, 346 (w. 20). (9) Dept. of Social Service, 97 (w. 85). (10) Dept. of Public Health Nursing, 218 (w.). (11) School of Graduate Studies, 329 (w. 76). Part-time students included in the preceding figures: (1) Arts, non-coll. 330, Univ. Coll. 74, others 19; (5) Education, 241, including 80 extra-mural and 145 men and 16 women in B.Pæd. course; (7) Music, 63; (8) Dentistry, 12; (9) Social Service, 50; (10) Nursing, 181; (11) graduates, about 165; total, about 1145.

VACATION COURSE (INCLUDING SUMMER SCHOOL), EXTENSION AND EXTRA-MURAL STUDENTS. Total, 2225 (including 1361 women), as follows: Teachers' Course, 350; correspondence courses, 437 (Arts, 144; Upper School, 195; Middle School, 52; Commercial, 44; Forestry, 2); Tutorial Classes, 148 (English Literature, 60; Economics, 18; French, 23; Mathematics, 21; Social Service, 26); short courses, 475 (Art of the Theatre, 20; Nurses, 212; Pupil-Nurses, 181; Ceramics, 11; Insurance, 51); Workers' Educational Assocn., 815.

UNIVERSITY OF TRINITY COLLEGE, TORONTO

CHANCELLOR—J. A. WORRELL, K.C., M.A., D.C.L.

VICE-CHANCELLOR AND PROVOST—Rev. F. H. COSGRAVE, M.A. Dublin, B.D.

DEAN OF RESIDENCE—Rev. G. F. KINGSTON, M.A., B.D., Ph.D.

REGISTRAR—Prof. J. N. WOODCOCK, M.A. Ox.

DEAN OF ARTS—W. A. KIRKWOOD, M.A., Ph.D.

LIBRARIAN—Prof. R. E. L. KITTREDGE, M.A. Harv.

DEAN OF WOMEN—Miss M. CARTWRIGHT, B.A., Principal of St. Hilda's.

PROFESSORS AND LECTURERS IN THE FACULTY OF DIVINITY

Apologetics—G. F. Kingston, M.A., B.D., Ph.D. (Lectr.).
Church History—H. C. S. Morris, M.A. (Prof.).
Divinity—The Provost, M.A., B.D. (Prof.); Wm. Rollo, M.A. (Prof.); H. T. F. Duckworth, M.A. (Lectr.).
Elocution—L. G. Harris (Specl. Lectr.).
Homiletics—J. B. Fotheringham, B.A. (Lectr.).
Old Testament—S. B. Mercer, M.A., Ph.D., D.D. (Prof.).
Pastoral Theology—W. M. Loucks, M.A.

PROFESSORS AND LECTURERS IN THE FACULTY OF ARTS: See consolidated list under the University of Toronto, names marked "T".

Trinity College, established in connexion with the United Church of England and Ireland in 1851, was in 1852 granted a Royal Charter as a University. It is federated with the Univ. of Toronto and, in its Faculty of Arts, forms an integral part of it, but in the Faculty of Divinity remains entirely independent and itself confers degrees. Telegraphic address—Trincoll, Toronto.

LIBRARY, 13,000 vols. MUSEUM, Nat. Hist.

COURSES. L.Th.—4 yrs.; Hons. or Pass B.A. of Toronto and Divinity Testamur—5 or 6 yrs., or, with Hons. in Theol., 7 yrs. Candidates for the B.D. or D.D., if resident outside the Eccl. Provinces of Canada, must be graduates in Arts of 3 yrs.', or ordained clergymen of 5 yrs.' standing. The D.D. is open to B.D.'s of 5 yrs.' standing.

A SCHOLARSHIP of $120 p.a. for 2 yrs. in Divinity is open to students who have taken an Arts course in the Coll.

PUBLICATIONS. *Yearbook* (July); *Calendar* (May); *Review*, monthly, $1.50; *St. Hilda's Chronicle*, terminally, $1; *Trinity College Booklet.*

THE YEAR 1925–26. Dr. Seager, Provost 1921–26, was consecrated Bishop of Ontario on Aug. 24, 1926. *Degrees conferred*: D.D. (Jure dig.)—L. W. B. Broughall, Dean of Niagara; (Hon. causa)—Prebendary Wilson, Carlisle. (In Course): B.D., 2; L.Th., 7. (Arts degrees listed under University of Toronto.) *Students*: Arts, 167; Div., 37; Special, 5; Extra-mural, proceeding to B.D. and D.D., 10. Total, 219.

VICTORIA UNIVERSITY, TORONTO

PRESIDENT—R. P. BOWLES, M.A., D.D., LL.D.
REGISTRAR—C. E. AUGER, B.A.
LIBRARIAN—F. L. BARBER, M.A., Ph.D.

Telegraphic Address : Vicollege, Toronto.

PROFESSORS AND LECTURERS

[*See also* in the consolidated List under Toronto, names marked (V.).]

Homiletics, Past. Theol., Ch. Hist.
Johnston, A. J., D.D. M. Cox Prof.

New Testament, Greek, etc.
Michael, J. H., M.A. Wales.
G. A. Cox Prof.

Public Speaking
Greaves, W. H., M.A. Bos. Prof.

Religious Pedagogy
..... Prof.

Sociology [Prof.
MacMillan, J. W., B.A., D.D. Manit.

Systematic Theology
The President, M.A., D.D. Wes., LL.D. Mt. A. & Tor.
Ed. Jackson Prof.

GENERAL INFORMATION

The Upper Canada Academy was established by Royal Charter in 1836 in connexion with the Methodist Church in Canada. Its name was changed in 1841, when power was obtained to grant degrees in Arts, Theol., Med., and Law, to " Victoria College," and in 1884 to " Victoria University." In 1890 it was federated with Univ. of Toronto, and its Arts Faculty became a College thereof, but it still confers degrees in Theology.

LIBRARY. Special features—Canadian verse and Tennysoniana (C. C. James's collections), Methodism in Canada, Education in Ontario.

COURSES. 4 yrs. in Languages, Anc. Hist. and Ethics for B.A., both Pass and Hons. ; 3 yrs. for B.D., the 2nd and 3rd yrs. being subsequent to graduation in Arts; 4 yrs.' conference course for probationers for the Ministry following a 2 yrs.' course taken on circuit ; 3 yrs.' conference course for graduates.

HOSTELS for 154 men and 174 women students.

PUBLICATIONS. *Theological Calendar* (May) ; *Bulletin* (July) ; *Acta Vict.*, a students' monthly.

THE YEAR 1925-26

BENEFACTIONS. Women students' club-house and residence given by Mr. and Mrs. E. R. Wood, its equipment and furniture by Lady Flavelle ; $25,000 bequest of late D. A. Dunlop.

HONORARY DEGREES. *D.D.*—G. C. Pidgeon, S. W. Dean, W. J. Smith, S. J. Hoban. OTHER DEGREES.—B.D., 4 ; Dipl.Th. (graduates), 9 ; Dipl.Th. (non-grads.), 7.

NUMBER OF STUDENTS. Full-time, preparing for B.A., 584, including 298 women ; B.D. or Dipl.Th. (graduates), 37 ; Dipl.Th. (non-grads.), 32 ; occasional, 18 (4 women).

UNIVERSITY OF WESTERN ONTARIO, LONDON, ONT.

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CHAIRMAN OF THE BOARD OF GOVERNORS—Major A. T. LITTLE.

PRESIDENT—.....

REGISTRAR—Prof. K. P. R. NEVILLE, M.A., Ph.D.

BURSAR—W. WAUGH, M.D., LL.D.

LIBRARIANS—F. LANDON, M.A., MARJORIE ROSS, B.A., ETHEL SULLIVAN.

EXECUTIVE SECRETARY—Col. W. J. BROWN, V.D., B.S.A., LL.M.

DEAN OF WOMEN—RUBY E. C. MASON, M.A. Tor.

PROFESSORS, LECTURERS, ETC.

Anatomy

McKibben, P. S., B.S. Granv., Ph.D. Chic. Prof.
Macklin, C. C., M.B., M.A., Ph.D. Tor. Prof.
6 Instrs. and 3 Tech. Assts.

Bio-Chemistry

Macallum, A. B., B.A., M.D., Ph.D. Tor. Prof.
James, A. A., M.D. Asst. Prof.

Biology, v. Zoology

Botany

Hart, N. C., M.A. Tor. Prof.
2 Instrs.

Chemistry

Gunton, J. A., M.A. McM., Ph.D. Ill. Prof.
Best, N. C., Ph.C. Mass. C. Ph. Assoc. Prof.
Russell, J., M.A. Harv., Ph.D. McGill Asst. Prof.
Burns, J. W., M.Sc. Queen's Asst. Prof.
Mennie, J. H., B.A., M.A., Br. Col., B.Sc. Ox., Ph D. McGill Instr.
1 Asst.

Classics

Fox, W. S., M.A. McM., Ph.D. J.H.U., Dean of College of Arts Prof.
Neville, K. P. R., M.A. Harv., Ph.D. Corn. (C. & Hist.) Prof.
Auden, H. W., M.A. Camb. Prof.
1 Instr.

Economics, v. Polit. Econ.

Elocution

Walker, Jean I. Instr.

English

Tamblyn, W. F., M.A. Tor., Ph.D. Col. Prof.
Spenceley, J. A., B.A. Tor., M.A. Harv. Asst. Prof.
Martin, W. Clifford, Ph.D. Corn. Asst. Prof.
Albright, Evelyn, B.A. Tor. Asst. Prof.
Neville, J. T., M.A. Lectr.
Edwards, E. W., M.A. Tor., B.D. Lectr.
Liddicoatt, Doris, M.W. Lectr.
Wrighton, Marion, B.A. Lectr.

French and Italian

Wade, Ira, A.B. (J.H.U.), A.M. Col., Ph.D. Princeton Prof.

French and Spanish
Collin, W. E., B. ès L. Toulouse, M.A. Asst. Prof.
3 Instrs.

Geology [Assoc. Prof.
Russell, J. W., M.A. McM.

German
James, N. C., B.A. Tor., Ph.D. Halle, LL.D. Prof.
Allen, R. A., M.A. Tor. Instr.

Hebrew [Prof.
Waller, C. C., M.A. Camb., D.D.

History [Prof.
Dorland, A. G., B.A. Qu., M.A. Yale
Landon, F., M.A. Assoc. Prof.

Mathematics
Kingston, H. R., M.A. Qu., Ph.D. Chic. Prof.
Patterson, W. J., M.A. Qu. Prof.
Woods, A., M.A. Qu. Asst. Prof.

Medicine, v. *infra*

Philosophy
Macdonald, E. P., B.A. Qu. Instr.

Physics [Prof.
Dearle, R. C., B.A., Ph.D. Tor.
Allen, R. L., M.A. Mt. All. Asst. Prof.
3 Instrs.

Physiology
Miller, F. R., M.A., M.B. Tor., M.D. Mun. Prof.
Laughton, N. B., B.A. Tor., Ph.D. Chic. Assoc. Prof.
Waud, R. A., M.D. Instr.

Political Economy
Freeman, R., M.A. McM., Litt.B. Ox. Assoc. Prof.
Macdonald, E. P. W., B.A. Queen's Instr.
Perrin, F. E., B.A. Tor. Lectr.
Curran, F. H., B.A., LL.B. Lectr.

Psychology [Lectr.
Sage, G. B., M.A. Trin., D.D.

Zoology
Robertson, A. D., B.A. Tor. Prof.
Detwiler, J., M.A. Qu., Ph.D. Corn. Asst. Prof.
1 Instr.

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

Eye, Ear, Nose, Throat [Prof.
Thompson, S., M.D., F.A.C.S.
2 Instrs.

Medicine [Prof.
Hale, J. C., M.D., C.M. McG.
Childs, J. R. N., M.D. Assoc. Prof.
Watson, E. M., M.D., M.R.C.P. Edin. Asst. Prof.
9 Instrs.

Obstetrics and Gynæcology [Prof.
Ferguson, R., B.A. Tor., M.D.
2 Instrs.

Pathology and Bacteriology
Bullard, H. H., A.B. Missouri, Ph.D. Tul., M.D. J H.U. Prof.
Luney, F. W., M.D., D.P.H. Assoc. Prof.
4 Instrs.

Pediatrics
Tillmann, W. J., M.D. Prof.
Lindsay, J. C., M.B. Tor. Asst. Prof.
Ferguson, J. I., M.D. Asst. Prof.
2 Instrs.

Pharmacology
Crane, J. W., M.B. Tor. (Dean of Med. Faculty) Prof.

Psychiatry [Assoc. Prof.
Robinson, W. J., M.B. Tor.
Stephenson, G. H., M.B. Tor. Assoc. Prof.

Public Health
Slack, J. A., Ph.C. Mass., C.Ph., M.D., D.P.H. Assoc. Prof.
Downham, W. S , M.D., D.P.H. Lectr.

Radiology
McNeill, G., M.D., F.A.C.S. Prof.

Surgery [Prof.
Williams, H., M.D., F.R.C.S.
Wilson, J. C., M.D. Asst. Prof.
Ramsay, G. A., M.D. Asst. Prof.
Busby, E. D., M.D. Asst. Prof. G.U. Surgery.
4 Instrs.

AFFILIATED INSTITUTIONS

HURON COLLEGE. Principal, Prof. of Div. and Hebrew, Rev. C. C. Waller, M.A. Camb. and McG., D.D. Other teachers not on staff of the Univ.: Rt. Rev. Bp. of Huron, D.D., Lectr. in Bib. Exeg.; F. Anderson, M.A., B.D., D.D. Ox., Prof. of Ch. Hist.; Dean L. N. Tucker, M.A., D.C.L., D.D.

ASSUMPTION COLLEGE. Principal, Prof. of Greek, D L. Dillon, B.A. Eleven other Profs. of Arts subjects.

URSULINE COLLEGE. Dean and Prof. of French, Mother St. Anne. Twelve other Profs. of Arts subjects.

WATERLOO COLLEGE, Waterloo, Ont. Dean, Alex. O. Potter, Ph.D. Columbia, Prof. of French and Economics.

ALMA COLLEGE, St. Thomas, Ont. Principal, P. S. Dobson, M.A. Oxon.

GENERAL INFORMATION (v. also p. 340)

Incorporated by an Act of the Provincial Legislature in 1878 as a College 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.

FACULTIES. Colleges of Arts, Medical School, Public Health.

DEGREE COURSES. 4 yrs. (from Junr. Matricn.), B.A.; 1 yr., M.A. and M.Sc.; 6 yrs., M.D. Attendance on part of the classes 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. D.P.H. and C.P.H.N., C.I.N. and C.H.A. courses (1 yr.) provided for graduates in Med. and graduate nurses respectively.

Courses leading to B.A. in *Library and Secretarial Science*, B.S. in *Nursing* and *Doctor of Public Health* (a 2-year course following M.D. degree) offered for the first time in 1924–25. 4-year honour course in *Commercial Economics*.

PUBLICATIONS. *Calendar* (May); *Report of Faculty of Public Health* (May); *Medical School Announcement* (May); *Univ. Gazette*, weekly during term.

THE YEAR 1925–26

BENEFACTIONS. Arts 1926 Class Fund, for establishing an endowment fund, $190; Mrs. Dorinda E. Tully, $1029; French Travelling Scholarship, $385; Sir W. Laurier Memorial Scholarship for French Conversation, by Women's Liberal Assocn., $2100.

RECOGNITION of the Medical School as of "A" grade was accorded by American Med. Assocn. Cambridge included W. Ontario in its list of Univs. approved in relation to courses for research degrees.

RESIGNATION. Major G. A. Smith, to engage in private practice (Medicine).

INTERCHANGE. Ruby Mason from Univ. of Illinois (Dean of Women); Ira Wade from Princeton (French and Italian).

HONORARY DEGREES. *LL.D.*—The Lieut.-Governor (H. Cockshutt); J. Dearness. *D.D.*—F. W. Veit.

STUDENTS. Full-time: Arts and Pure Science, preparing for first degree, 538 (including 177 women); Med. undergrads. 109 (w. 2); Nursing, 5 (w.). Resident in college or hostel, none. Students from U.S.A., 25; Great Britain, 1; West Indies, 1.

Part-time: Arts and Pure Science, graduate students 9 (w. 5), undergrads. 62 (w. 28); Medicine, undergrads. 16 (w. 12). Summer School: 109 (w. 59). Extra-mural, 92 (w. 50).

DEGREES OBTAINED. B.A., 80 (w. 35); B.Sc. Nursing, 1 (w.); M.D., 19; M.A., 7 (w. 3); M.Sc., 1; LL.B., 1; LL.D., 2; D.D., 1.

SHANTUNG CHRISTIAN UNIVERSITY, TSINAN, CHINA

Head Office at 439 Confederation Life Building, Toronto, Canada.

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DIRECTOR OF EXTENSION DEPARTMENT—H. R. WILLIAMSON, M.A., B.D. Lond.

REGISTRAR—J. W. HUNTER.

LIBRARIAN—JOHN CHIH-PEI KWEI, B.A. Boone.

TREASURER—RONALD F. ADGIE, M.A Camb.

TEACHING STAFF

School of Arts and Science

Biology: A. P. Jacot, B.A. Cornell; Ch'in Yao T'ing.
Chemistry: W. H. Adolph, A.B., Ph.D. Penn.; G. D. Wang, B.Sc. Bristol; Dr. Hsü Chang.
Chinese: Chou Kan T'ing.
Education: Li T'ien-lu, M.A., Ph.D. Vanderb.; F. S Drake, B.A., B.D. Lond.; B. A. Garside, A.B. Okla., A.M. Col.; H. F. Smith, A.B. Stanf., A.M. Col.
English: D. C. Baker, B.L., M.A. Calif.
History and Political Science: J. J. Heeren, B.D. McCormick, M.A. Chic., Ph.D. Halle-Wittenberg.
Mathematics: H. E. Wang; H. C. T'ien.
Physics: H. W. Harkness, B.A., B.Sc. Queen's, Kingston; Dr. Lin Shihmo.
Religious Instruction: H. P. Lair, A.B., D.D. Emporia, S.T.M. Union.
Sociology: A. G. Parker, B.A. Park, B.D. McCormick.
12 instructors and assistants.

School of Theology

L. V. Cady, B.A. Grinnell, B.D. Oberlin ; S. C. Harrison, B.D. Lond. ; R. S. McHardy, B.Sc., B.D. Lond. ; H. H. Rowley, B.A. Bris., B.D. Lond. ; S. C. Lo, Ph.B. Denison, M.A. Col. ; J. D. MacRae, B.A. Manit., B.D. Knox, D.D. Westm.

School of Medicine

Anatomy : R. T. Shields, B.A. Washington, M.D. Virginia ; L. M. Ingle, B.A., M.B., B.Chir. Camb. ; H. W. Wang.

Gynæcology and Obsts. : F. J. Heath (v. Surg.) ; H. R. Wright, M.B., B.S. Lond.

Medicine : W. McClure, B.A., M.D., C.M. McGill ; E. B. Struthers, B.A., M.B. Toronto ; F. H. Mosse, M.A., M.R.C.S., M.R.C.P. Ox. ; L. F. Heimburger, M.D. St. Louis ; A. V. Scott, B.S. North Car., M.D. Penn. ; J. Morgan, A.B., A.M. Dickinson, M.D. Penn.

Pathology : L. H. Braafladt, A.B. Luther, M.Sc. Chic., M.D. Rush. ; C. H. Chang ; P. C. Hou, M.D. Peking.

Physiology : P. S. Evans, A.B. Yale, M.D. Johns Hopk. ; P. C. Kiang, B.A. St. John's, M.D. Penn. ; S. S. Waddell, B.S., M.D. Pitts. ; W. P. Pailing, M.P.S., Ph.C. Lond.

Preventive Medicine : C. H. Han, D.T.M. & H. Lond., D.Hy. Camb.

Surgery : E. R. Wheeler, M.B., B.S. Lond., F.R.C.S. Eng. ; L. M. Knox, A.B. Transylvania, M.D. Washington ; T. C. Pa, M.D. Peking ; D. J. Evans, M.B., Ch.B. Birm. ; F. J. Heath, A.B. Temple, M.D. Penn. ; T. Stearns, B.A. Davidson, M.D. Johns Hopk. ; H. W. S. Wright, M.B., B.S. Lond., F.R.C.S. Eng.

Translation : P. L. McAll, B.A. Camb., M.B., Ch.B. Edin.

Founded in 1904 by the English Baptist and American Presbyterian Missions of Shantung in unison, the Shantung Christian University comprised at first schools of Arts and Science in Weihsien, of Theology at Tsingchowfu, and of Medicine at Tsinan. The two first mentioned were transferred to Tsinan in 1917. A grant of $200,000 from the Rockefeller China Medical Board enabled the University largely to extend the buildings and staff of the medical school, with which were amalgamated the medical department of the University of Nanking, the Hankow Union Medical College, the North China Union Medical College for Women, Peking, and part of the Peking Union Medical College. In 1924 an Act was passed by the Dominion Parliament of Canada conferring authority to grant such credentials and degrees as are in accordance with the laws of China.

The main purpose of the University is " The advancement of the Kingdom of God through higher education of a distinctly Christian character, with a view to developing a capable and consecrated leadership for the Christian church and community in China." Thirteen missionary societies from Great Britain, the United States, and Canada share in its maintenance. There are two joint boards of administration, the British and the North American, with offices in London and New York respectively, and, deriving authority from them, a " Field Board of Managers in China." The head office of the University is at Toronto.

DEPARTMENTS. (1) School of Arts and Science, providing a 4-years' course for intending teachers and pre-medical and pre-theological instruction. (2)

School of Theology, providing a 3-years' course following one year in the School of Arts and Science; also a 3-years' course for graduates in Arts. (3) School of Medicine, providing a 5-years' course following a pre-medical course of at least 2 years. (4) University Hospital with attached training school for men and women nurses. (5) Extension Department for cultivating social and religious contact with the people of the city and district by public lectures, evangelistic addresses, models, graphic charts, etc.

THE MEDIUM OF INSTRUCTION is mainly Chinese (Mandarin); but English is a required subject at the entrance examination and throughout the whole curriculum, and the use of English text-books and reference books is encouraged.

ADMISSION is ordinarily by certification from an approved middle school or by a general matriculation examn. in (1) Chinese Language and Literature, (2) English Language, (3) General Mathematics, and two selected subjects. An intelligence test of common sense and general fitness for University work is applied to all candidates for admission, and a physical examn. must also be passed.

RESIDENCE, ETC. All students are required to reside within the University walls. Dormitories provide accommodation for all. Physical exercise is compulsory.

FEES for tuition. Arts and Science, $25, Theology, $10, Medicine, $30 per semester. Other student expenses $100 to $300 per annum.

DEGREES. B.A. and B.Sc., 4-years' course; B.Th.—4 years; M.B.—7 years; B.D.—1 year after B.Th. or 4 years after B.A.

STUDENT ENROLMENT, Sept. 1926: Men 327, women 56.

NEWFOUNDLAND MEMORIAL COLLEGE AND NORMAL SCHOOL

This College, built by the Government as a War Memorial, was opened in 1924.

To students who have completed the work for the first and second years in the college third-year status is granted by the following Universities:

(1) Acadia, Dalhousie, Mount Allison, and New Brunswick, in all faculties.

(2) Toronto, in Arts.

McGill recognizes the first year's course of the College as qualifying for admission to second-year courses, and is prepared to consider on its merits the case of any student who has completed his second year at the college who may apply for admission to third-year status.

PRESIDENT. J. L. Paton, M.A. Camb.

PRINCIPAL OF THE NORMAL SCHOOL. S. P. Whiteway, B.Sc. Columbia.

The curriculum includes: English, Mathematics, Chemistry, Physics, Latin, Greek, French, German, Spanish.

FEES. For a full course, $40 p.a.

NUMBER OF STUDENTS in 1926: 67 and, in addition, 497 extra-mural students. A summer school was attended by 200.

THE IMPERIAL COLLEGE OF TROPICAL AGRICULTURE, ST. AUGUSTINE, TRINIDAD

CHAIRMAN OF THE GOVERNING BODY—Sir ARTHUR E. SHIPLEY, G.B.E., LL.D., Sc.D., F.R.S.

VICE-CHAIRMAN—Lieut.-Col. Sir DAVID PRAIN, C.M.G., C.I.E., F.R.S.

PRINCIPAL—Dr. H. MARTIN LEAKE, M.A., Sc.D. Camb., F.L.S.

SECRETARY—ALGERNON ASPINALL, C.M.G., C.B.E., B.A., 14 Trinity Square, London, E.C.3.

REGISTRAR—A. G HOWELL, St. Augustine, Trinidad.

PROFESSORS AND LECTURERS

Agriculture

Dash, J. S., B.S A. McGill — Prof.
Baker, A. L., B.Sc. — Lectr.

Botany and Genetics

Cheesman, E. E., B.Sc. Lond., A.R.C.S. — Prof.
Hunter, R. E., B.Sc. — Lectr.

Chemistry and Soil Science

Hardy, F., M.A., Dip.Agr. Camb. — Prof.
Turner, P. E., B.Sc. Lond., A.I.C. (Seconded) — Lectr.
Croucher, H. H. — Lectr.
Hurst, R. H., Ph.D. — Lectr.

Economics

Shephard, C. Y., B.Sc. (Econ.) Lond. — Prof.

Mycology and Bacteriology

Briton-Jones, H. R., D.Sc., Ph.D. — Prof.

Sanitation and Tropical Hygiene

..... — Lectr.

Sugar Technology

Scott, W., B.Sc. — Prof.

Veterinary Science

Metivier, Capt. H. V. M., O.B.E., B.Sc.Vet.Sc. Lond., M.R.C.V.S. — Lectr.

Zoology and Entomology

Ballou, H. A., M.Sc. Mass. Agr. Coll. — Prof.
Foy, H. — Lectr.

GENERAL INFORMATION

Incorporated in Sept. 1921 as the outcome of recommendations made by the Tropical Agricultural College Committee (appointed by Viscount Milner in 1919) in their Report (Cd. 562), the College aims at promoting the study of and conducting research in Tropical Agriculture in suitable surroundings and creating a body of British expert agriculturists well versed in the knowledge of the cultivation of land in the tropics, of chemists, and of scientific advisers possessing an intimate knowledge of the means of combating pests and diseases. The College buildings are at St. Augustine, near St. Joseph, Trinidad, on land granted by the Govt. of Trinidad and Tobago. The funds of the College are derived from contributions from Colonies and industries participating in the movement and an Imperial grant. The Imperial Department of Agriculture,

which was founded in 1898 and was amalgamated with the College on April 1, 1922, is administered by the Imperial Commissioner of Agriculture, now the Principal of the College, who corresponds directly with the Colonial Office and the Governments concerned. He supervises the botanic and experiment stations located at St. Vincent, St. Lucia, Dominica, Montserrat, Antigua, St. Kitts-Nevis, and the Virgin Islands, and advises the Government of Jamaica, British Guiana, Trinidad, British Honduras, the Bahamas, and Bermuda in agricultural matters, including the teaching of agriculture in schools. Up to March 1922 the Department issued the *Agricultural News*, a popular fortnightly review circulating widely in the tropics of the old and new worlds, and the *West Indian Bulletin*, a scientific quarterly dealing specially with tropical research and experiment. Numerous pamphlets dealing with special subjects and annual progress reports on sugar-cane experiments and the work of botanic stations were also issued. The College publishes monthly *Tropical Agriculture*. On the transfer of the headquarters of the Department to Trinidad in Sept. 1922 the services of all the officers were retained in the staff of the college, and remain available for duty in connexion with the work of the Department.

The Foundation Stone of New Buildings and Laboratories was laid by Sir Samuel Wilson, Governor of Trinidad and Tobago, on January 14, 1924.

An Instructional sugar factory, towards which British sugar machinery manufacturers are contributing plant worth £20,000, was opened in 1925.

The College was re-incorporated by Royal Charter, dated Nov. 23, 1926.

The academic year extends from October 1 to June 30

COURSES. (1) Three-years' Diploma Course for giving a thorough training in the science and practice of T.A. to students intending to become tropical planters, investigators, or experts in different branches of Agr. Science or Technology; (2) one-year course in elementary Agr. Science for students unable to afford (1), with some practical acquaintance with the scientific side of tropical planting and the more up-to-date and efficient methods of production and management; (3) courses for Agr. officers selected for Colonial service in T.A. departments.

POST-GRADUATE RESEARCH. Facilities are provided for work in connexion with problems arising in T.A., and more especially those connected with plant pathology, agronomy, and physiological botany.

TUITION FEES: £50 p.a., but a limited number of students from contributing Colonies and industries are admitted, on the nomination of the respective local Govts. and industries, without the payment of tuition fees; other students from contributing Colonies, £25 p.a.; Foreign Students, £100 p.a.

Further particulars are obtainable from either the Secy. at 14 Trinity Sq., London, E.C.3, or the Registrar, St. Augustine, Trinidad, B.W.I.

THE YEAR 1925–26. BENEFACTIONS. A general appeal fund yielding a total of £30,500, including Sir Otto Beit, £1000; British Cotton Growing Assocn., £1000; J. & P. Coats, Ltd., £1000; Empire Cotton Growing Corpn., £2000; Fine Cotton Spinners' and Doublers' Assocn., £1000; Liverpool Cotton Assocn., £1000; Rhodes Trustees Fund, £5000; J. W. Stephens, £1000; H.M. Government gave £15,000 for Hostel, the Empire Marketing Board, £21,000, and the Empire Cotton Growing Corpn., £21,000.

INCOME for year from (*a*) Endowments, International Health Board, £1000 (for 5 years); (*b*) H.M. Government, £3000; (*c*) Colonial Govts., £16,000; (*d*) Students' fees, £1000; (*e*) Other sources, £700.

NEW BUILDINGS AND EQUIPMENT. Central building, £40,000; £3000 Gas Plant.

NEW DEPARTMENT. Tropical Hygiene and Sanitation.

ASSOCIATESHIP for post-graduate work established.

VACATION VISIT (3 months) by Dr. J. S. Dunkerly, Prof. of Zoology of Manchester Univ.

RESIGNATION. Prof. S. F. Ashby, to take an appointment as Mycologist, Imperial Bureau, Kew.

STUDENTS. Full-time, graduates, 13; preparing for diploma, 15; special course, 3. Foreign students: Ecuador 1, Egypt 1. Part-time, 4. Diplomas obtained, 3.

THE UNIVERSITIES OF AUSTRALIA

ADELAIDE	MELBOURNE	QUEENSLAND, BRISBANE
SYDNEY	TASMANIA, HOBART	WESTERN AUSTRALIA, PERTH

GENERAL DESCRIPTION

[Summary, corrected to Sept. 1926, of information issued in June 1919 by an Administrative Committee of the Australian Universities through the Education Service of the Australian Imperial Force of which the Committee was a part.]

THE Universities of Australia are dotted all round the Commonwealth and are at great distances from one another and in diverse climates. The mean annual temperatures range between about 70° at Brisbane and 54° at Hobart. Western Australia's nearest neighbour is Adelaide, which is about 1600 miles away by the shortest route. There is, naturally, not much moving about of students from one to another; but in the three younger some of the principal professional courses are not yet provided, and it frequently happens that a student after working in one of them for a year or two transfers to one of the older and more central Univs. where he is granted status in his professional course. As the Univs. are not all uniformly developed, they cannot be quite uniform even in their requirements for entrance. But they exercise all possible reciprocity in the interchange of students. They also give students who come from British Univs. the same status as at Home. Typical of their attitude in this regard is the By-law of Sydney: Undergraduates of other Univs. may, at the discretion of the Professorial Board, be admitted *ad eundem statum* in this Univ. without examn., provided always that they shall give sufficient evidence of their alleged status and of good conduct.

THE COLLEGE SYSTEM. When the Univs. of Sydney and Melbourne were founded provision was made for the establishment of "Colleges of Residence in connexion with different religious denominations." So there came into existence at Sydney, and on the Univ. grounds, "St. Paul's" (Church of England), "St. John's" (R.C.), "St. Andrew's" (Presb.), "Wesley" (Meth.), and, in 1925, as an extension of St. John's, a Hall for women; the Women's College (1890) is undenominational. Similarly at Melbourne, "Trinity" College (C. of E.) was opened in 1872, and was followed by "Ormond" (Presb.), "Queen's" (Meth.), and "Newman" (R.C.). Associated with Trinity and Newman respectively are Janet Clarke Hall and St. Mary's Hall, for women students. Queensland has "Emmanuel" (Presb.), "St. John's" (C. of E.), "King's" (Meth.), and an "undenominational" Women's Coll., as well as St. Leo's (R.C.). Adelaide has made a beginning with St. Mark's College (C. of E.), opened in 1925. There are no other Univ. Colls. in Australia. All these are self-governing and receive no financial aid from the Univ. They accommodate and teach only a

small proportion of the whole number of Australian students ; but their importance and influence on Univ. life are not to be gauged by this circumstance

CONSTITUTIONS. The outstanding feature of the Australian Univ. constitutions is the definite and considerable part taken by the State in appointing members of their governing bodies. This is due to the large contributions made to them out of public funds. The newest Univs. have admitted divers other persons, such as representatives of commercial, industrial, scientific, and educational societies, or benefactors, to participate with their graduates in the election of senators or councillors. The constitution of Sydney is the simplest ; that of Queensland is outwardly the most comprehensive in its legal conception of the Univ. as " a body corporate consisting of Senate, Council, and graduate and undergraduate members." In Melbourne by a recent revision of the constitution undergraduates elect 2 members of the governing body (Council). In Western Australia undergraduates are enrolled by Act of Parliament in a " Guild " which is given a representative on Convocation, the electing body that may also disallow or propose amendments in any legislation of the Senate. The nomenclature is not consistent. The governing body may be called in one place " Senate," in another " Council " ; and the assembly of graduates may be called " Senate "—a term never applied to the professorial body. Sydney alone has a whole-time administrative head.

ADMISSION. Attempts have been made to devise a common matricn., but have been given up. The reason lies in difference of policy as to the part to be taken by entrance examination as a qualifying test, and as to requisite subjects. Generally speaking, matriculation requirements include passing a recognized examn. (school-leaving, matricn., etc.) in English, another approved language (at Sydney, *e.g.*, Latin, Greek, French, German, Italian, or Japanese), Mathematics, and one or more other subjects. Special facilities are offered for matriculation in some Univs. and in some faculties to persons who have attained the age of 25 yrs., provided (Sydney) they give evidence of distinct educational merit and are recommended by a three-fourths majority of the Faculty of Arts and approved by the Senate.

THE UNIVERSITY AND THE PROFESSIONS. The Univ. has always at least one professional school. Thus Queensland's School of Engineering has a high repute. Western Australia is making a specialty of Agriculture and Surveying. Tasmania has schools of Law, Engineering, and Commerce. Sydney, Melbourne, and Adelaide have each a wide range of schools.

The Engineering schools give a thorough practical training. Rather high entrance requirements are called for in each of the Univs. The curricula extend over 4 yrs. (W. Australia, 5 yrs.), and are arranged with the definite view of giving a sound knowledge of the properties of materials, and the principles of Maths., Phys., Chem., and Mechanics underlying all engineering work, before specialized professional subjects are taken. Owing to several large bequests the Russell School of E. in Sydney is the most fully equipped. It maintains separate depart-

ments for Civil, for Mechanical, and for Electrical Engineering, for Mining and Metallurgy. The corresponding Schools in Queensland and Melbourne are also well equipped, and those of Adelaide, Tasmania, and W. Australia, although less comprehensive, are efficient. Systematic arrangements are made for students to obtain practical experience in workshops or in the field during vacations. The University training is widely recognized as a necessary qualification for professional positions. As a rule graduates in Civil E. enter the State or Federal Public Works Depts., which carry out practically all the large national engineering works, very little in the way of Public Services being left to private enterprise. The experience thus to be gained is very good, although it must be admitted that the emoluments are relatively low. Many graduates in Mining E. have been absorbed in the mining industries of Australia, but a great number—probably the majority—find their way to the larger mining centres of the world where the financial rewards are usually greater. There is a good deal of industrial and commercial engineering in Australia, and men wishing to have the freer scope which this offers usually take the courses in Mech. and Elec. E. In Archit., especially the domestic kind, there is a promising outlook in practically all parts of the Commonwealth. The Sydney School of Architecture is the only fully developed one with a Professor and a degree. Melbourne has had a diploma course for 20 years, and has for 10 years had an " Atelier " for advanced design work.

The Medical Schools of Sydney, Melbourne, and Adelaide are among the best in the Empire. They comply with the requirements of the General Medical Council, and there is full reciprocity, in respect of registration of degrees as qualifications to practise, between the U.K. and Australia. The greater part of the Australian medical profession is now trained in these 3 Univs., and distinguished teachers and research workers are continually being brought in to supplement their staffs. High positions are also held by their graduates outside Australia. It is generally felt by Australian medical men who have had experience in Europe among men trained in the Schools of the U.K., that their own training has been even more practical. It is thoroughly British in scope and method, but, in the proportion of hospital facilities to the number of students, it has had some advantages over the training received by the average British student. Whether this impression is or is not correct, it remains true that Australian medical education has reached a high standard, and the equipment of the Faculty is always good and often excellent. Sydney has the advantage of an immense public hospital, on its own grounds, with several others but a short distance away. In Melbourne general hospitals containing 500 beds, and women's and children's hospitals, are close to the Univ. The Genl. Hospl. at Adelaide is within half a mile of the Univ., and after the 2nd yr. the greater part of students' time is spent in it. The work done may also be supplemented by study, after graduation, in the " Australian Institute of Tropical Medicine " at Townsville in Queensland ; and a Diploma in Trop. Med. is attainable. The Hall Research Institute in connexion with the Melbourne Hospl. provides facilities for post-graduate work.

In all the Univs. the Faculty of Arts is becoming, with due help from the Faculty of Science, a professional school for teachers. Sydney and Melbourne have Profs. of Education who are also heads of the State Training Colleges. Adelaide has the State Director of Education on its Ed. Committee and Council, and gives a Diploma to graduates in Arts and Science who take a prescribed course of prof. study and have proper experience of teaching. There is a course in Ed. at Queensland, and every facility is given to teachers to graduate in Arts. Western Australia has a Dept. of Ed., but it is not yet fully organized. An excellent professional equipment for teaching can now be obtained in Australia, and the material rewards of teaching are likely to increase.

The less anciently established professions become associated with the Univs. on obtaining a higher status or a legal organization. Thus Vet. Science, the practice of which is as yet legally controlled in only three States, is now regularly entered in one of these (Victoria) through a Univ. course of study. In N.S.W. its legal constitution recently followed the institution of a Faculty of Vet. Science at the Univ. of Sydney. In N.S.W. and Western Australia, whose Univ. also has a Dept. of Vet. Science, the law requires such qualifications for vet. practice that a Univ. training will become the natural approach to the profession in that State.

Periods of Study. The Univ. requires 3 yrs.' study for a B.A. or B.Sc.—4 yrs. if the B.Sc. is taken with Honours. The curriculum for the first degree in Med., formerly 5 yrs., has been lengthened in Melbourne to 5⅔, in Sydney and Adelaide to 6. The time needed to graduate in law may vary; thus Melbourne course takes 4 yrs., but Sydney allows Arts graduates to do their professional studies in 2 yrs. To graduate in Engin. requires 4 yrs.; in Vet. Science, in Agric., in Economics, and in Dentistry also 4 yrs., subject to certain minor variations; in Architecture, 5 years.

Academic Terms. In Australia qualifications are reckoned in "Years" and "Courses." But each "Year" is divided into "Terms." The number of Terms in the Year is usually 3. The Year begins in March and ends in Nov. or Dec. The "Long Vacation" comprises Dec., Jan., and Feb., which are the warmest months. Melbourne has 4 terms, the First of 12 weeks; the Second of 10; the Third of 10; and the Fourth, or Examn. Term, of 4. Tasmania also has 4 terms. Queensland has 3 terms and 2 Examn. Periods. Arrangements have been made to secure the coincidence of the 1st-2nd and 2nd-3rd inter-term vacations of the Australian Univs.

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 £225 a year gives him quite sufficient means, for the climate is benign and good food is plentiful. The style of living everywhere is unostentatious. Decent board and lodging should not cost more than 35s. a week. Meals at the cost of 6d. to 2s. 6d. 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. A developed Union at an Australian University also provides all the comforts of a non-residential Club for about £1 a year. Exercise in rowing, football, cricket, and other games may be had in the Sports Clubs on correspondingly easy terms.

Residence at a College is optional. College fees for residence and tuition range from 80 to 100 gs. per annum. Thus Wesley College, Sydney (Methodist), charges 28 gs. a term for resident students; Ormond, Melbourne (Presb.), from 95 to 110 gs. a year for residence during terms, according to the course being taken. St. John's, Queensland (Anglican), has fees of £21 per term. Special arrangements can always be made for residence during vacations; for an example, Ormond then charges 2 gs. a week. Many men live in College on a total income of not more than £150 a year; it is doubtful if any will spend double that amount. There are few rich students and no tradition of expensive living among College men, no charming but costly ancient customs. The assistance from Scholarships and Bursaries is generous.

A list of Univ. Fees payable at Melbourne and Sydney is given below. Queensland has composition fees for complete degree courses, which are from 12 to 18 gs. a year in Arts, 20 gs. in Science, and 21 gs. in Engineering. The corresponding fees at Tasmania are £15 to £20 in Arts, £20 in Science, £22, 10s. in Engineering. W. Australia charges fees for examns., degrees, and certifs., but tuition fees only to overseas students. Fees at Adelaide do not differ widely from those at Melbourne and Sydney.

Melbourne. Matricn., 1 g.; Degree, 7 gs.; Degree Courses in Arts, 3 yrs., about 52 gs.; Science, £25 each yr.; Agric., 4 yrs., 81 gs.; Laws, 4 yrs., about 90 gs.; Med., 5¾ yrs., £225 (including Hospl. Fees); Engin., 4 yrs., £100; Vet. Sc., 4 yrs., £100; Music, 3 yrs., at conservatorium, 32 gs. p.a.

Sydney. Matricn., £3; Degree in Arts, Econ., Sc., Agric., or Vet. Sc., £3; M.D. and M.S., £20; other Degrees, £10; Degree Courses in Arts, 3 yrs., £75; Econ., 4 yrs., £96; Law, £90 (Arts subjects additional); Med., £234 (excluding Hospl. Attendance, 21 gs., and practical Midwifery, 5 gs.); Dent., 4 yrs., £150 (including Dent. Hospl. £10 p.a.); Science, 3 yrs., £99; Engin., 4 yrs., £154 (Min. and Met., £168); Agric., 4 yrs., £118 : 10s.; Vet. Sc., 4 yrs., £114; Archit., 5 yrs., £171.

FREE PASSAGES TO EUROPE. The following free first-class passages are granted annually to Australian and New Zealand Univs. for graduates holding scholarships proceeding to Europe to continue their studies: Adelaide, 3; Melb., 4; Queensland, 3; Syd., 4; Tasm., 2; W. Aust., 3; N.Z., 3; available by any of the following Lines: Aberdeen, Blue Funnel, Orient, P. & O., and, for N.Z. graduates only, N.Z. Shipping and Shaw, Savill & Albion.

CONFERENCE

After a conference held at Sydney in May 1920 the Australian Univs. established a Standing Advisory Committee to deal with matters of common interest. The temporary headquarters of the Committee are in

Melbourne. The Chancellor of Melbourne Univ. acts for the time being as Convener of the Committee, and the Registrar as Honorary Secretary.

A conference of representatives of the Univs. has been held annually since 1921. Among the topics discussed are : Synchronizing the short vacations of autumn and spring ; uniformity in standards and titles of Australian degrees ; a common first year for degree courses in all faculties ; entrance requirements ; a London buying agent ; public service in mandated territories ; cheap railway fares for delegates attending conferences ; customs duties ; income-tax on gifts to universities ; a Federal Examining University ; establishment of a Ph.D. degree ; a Central School of Forestry ; a sabbatical year ; " general science " in public examns. ; a catalogue of periodicals.

AUSTRALIAN STUDENTS IN THE HOME UNIVERSITIES, v. Appendix XXII.

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 to give effect to a movement for bringing the Univs. into closer relationship with the masses of the people. The movement was fostered by State grants and grew rapidly. Each Univ. co-operates with the W.E.A. in the formation of a joint committee, which appoints tutors and supervises the work with the help of a Univ. officer—the Director of Tutorial classes. A federal W.E.A. for Australia has its central office in the Education Department, Melbourne. The total number of students throughout Australia is about 5000, the greater number taking three-years' courses. 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. A correspondence study department has been inaugurated in connexion with the Univ. of Queensland. In Western Australia provision has been made for extension lectures in Perth and suburbs and in country centres, and the Prof. of Agriculture visits the chief farming districts to lecture to and hold conferences with the primary producers, but there is no direct grant from the State for this work.

STATISTICS of University teachers, students, and finance are published annually by the Commonwealth Bureau of Census and Statistics in the official Year Book.

UNIVERSITY OF ADELAIDE

VISITOR—H.E. THE GOVERNOR.

CHANCELLOR—Hon. Sir G. J. R. MURRAY, K.C.M.G., B.A., LL.M., Lieut.-Governor and Chief Justice.

VICE-CHANCELLOR—Prof. Sir WILLIAM MITCHELL, K.C.M.G., M.A., D.Sc.

REGISTRAR—F. W. EARDLEY, B.A.

LIBRARIAN—R. J. M. CLUCAS, B.A.

PROFESSORS, LECTURERS, ETC.

Accountancy
Mills, E. W., A.C.U.A. Lectr.

Agriculture
Richardson, A. E. V., D.Sc. Melb., M.A. Waite Prof.

Agricultural Chemistry
Prescott, J. A., M.Sc. Manc. Waite Prof.

Anatomy
Wood Jones, F., M.B., B.S., M.R.C.S., L.R.C.P., D.Sc., Lond., F.R.S. Elder Prof.
Mead, C. S., B.A., M.B., B.S. Demr.

Bio-Chemistry, v. Physiology

Botany [Prof.
Osborn, T. G. B., D.Sc. Manc.
Samuel, G., B.Sc. Lectr. (Plant Path.).
Macklin, Miss E. D., B.Sc. Demr.

Chemistry
..... Angas Prof.
Cooke, W. T., D.Sc. Lectr.
Pennycuick, S. W., D.Sc. Q'ld. Lectr.
Finlayson, H. H. Asst. Lectr. & Demr.

Classics and Comp. Philol. and Lit.
Naylor, H. Darnley, M.A. Camb. Hughes Prof.
Hollidge, D. H., M.A. Asst. Lectr.

Commerce, v. also Acctcy.
..... Lectr.
Clucas, R. J. M., B.A. (Ec. Geog.) Lectr.
Finlayson, R. N., LL.B. (Indust. and C. Law) Lectr.
Ham, W. (Aus. Industries) Lectr.
MacKay, A. L. G., M.A., Dip.Ed., M.Ec. Syd. (Public Adm. and Fin.) Lectr.
Melville, L. G., B.Ec., A.I.A. (Statistics) Lectr.
Sutton, J. (Bank. & Exch.) Lectr.
Browne, C. Harding, A.C.U.A., A.C.P.A. (Com. Practice) Lectr.

Dental Science, v. *infra*

Economics, v. also Com.
..... Lectr.
Mackay, A. L. G., M.A., Dip.Ed., M.Ec. Syd. Asst. Lectr.

Education [Lectr.
Schulz, A. J., Ph.D. Zur., M.A.

Engineering, v. also Mining
Chapman, R. W., M.A., B.C.E. Melb., M.I.E. Aust. Prof.

Engineering, Elec.
Clark, E. V., B.Sc. Lectr.

English Lang. and Literature
Strong, Sir Archibald, M.A. Liverpool, Litt.D. Melb. Jury Prof.
Kirwood, A. E. M., M.A. Q'ld. Lectr.
Lade, Miss P. E., B.A. Tutor.

Forestry
Jolly, N. W., B.A. Ox., B.Sc. Prof.

French
Crampton, J., B.A. Lond. Lectr.

Geology and Mineralogy
Mawson, Sir Douglas, O.B.E., F.R.S., B.E., B.Sc. Syd., D.Sc. Prof.
Madigan, C. T., M.A. Ox., B.Sc. Lectr.

German [Lectr.
Schulz, A. J., Ph.D. Zur., M.A.

History, Modern
Hancock, W. K., B.A. Melb. Prof.
Oldham, W., M.A. Asst. Lectr.

Law
Campbell, A. L., B.E., B.A. Syd. Bonython Prof.
Finlayson, R. N., LL.B. (Evidence and Procedure) Lectr.
Benham, E. W., LL.B. (Property and Private Internat. L.) Lectr.
Hannan, A. J., M.A., LL.B. (Roman L.) Lectr.

Mathematics
Wilton, J. R., M.A. Camb., D.Sc. Elder Prof.
Sanders, H. W., B.A. Camb. Lectr.

Medicine, v. *infra*

Mining Engineering
Gartrell, H. W., M.A. Col., B.A., B.Sc. Lectr.

Music [Elder Prof.
Davies, E. H., Mus.Doc.

Philosophy
Stewart, J. McKellar, D.Phil. Edin. Hughes Prof.
Garnett, A. C., M.A., D.Litt. Melb. Tutor.

Physics [Elder Prof.
Grant, Kerr, M.Sc. Melb.
Burdon, R. S., B.Sc. Lectr.
Fuller, G. R., B.Sc. Asst. Lectr.

Physiology and Bio-Chemistry
Robertson, T. Brailsford, Ph.D. Calif., D.Sc. Prof.
Hicks, C. Stanton, M.Sc., M.B., Ch.B. N.Z., Ph.D. Camb. Marks Lectr. (Applied P.) and Sheridan Fellow.
Fuller, W. (Lectr. in Histology) Demr.

Demrs. in P. and Bio-Chem. :
Marston, H. R.
Dawbarn, Miss M. C., B.Sc.

Zoology
Johnston, T. Harvey, M.A., D.Sc. Syd. Prof.
Holdaway, F. G., M.Sc., Q'ld. Asst. Lectr.

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

Anæsthetics
Brown, Gilbert, M.B., Ch.B. L'pool Instr.

Diseases of Children, Med.
Gunson, J. B., M.B., B.S. Clin. Lectr.

Diseases of Children, Surg., v. also Obstetrics
Gilbert, H., M.B., B.S. Melb., F.R.C.S. Clin. Lectr.

Ear, Nose, and Throat
Pulleine, R. H., M.B., C.M. Syd. Lectr.

Forensic Medicine
Rogers, R. S., M.A., M.D., Ch.M. Edin. Lectr.

Gynæcology and Obstetrics
Wilson, T. G., M.D. Syd., F.R.C.S. Edin. Way Lectr.

Tutors in Obstetrics :
Gilbert, H., M.B., B.S. Melb., F.R.C.S.
Magarey, R. E., M.B., B.S.

Materia Med. and Therap.
Fry, H. K., B.Sc., M.B., B.S. Lectr.

Medicine and Therap.
De Crespigny, C. T. C., M.D., B.S. Melb., M.R.C.P. Lectr.
Cowan, D. R. W., M.B., B.S. Tutor.

Medicine, Clinical
Lectrs. :
Hone, F. S., B.A., M.B., B.S.
Ray, W., B.Sc., M.B., B.S.

Medicine, Psychol. [Lectr.
Downey, M. H., M.B., B.S. Melb.

Ophthalmic Surg.
Shorney, H. F., M.D. Melb., F.R.C.S. Gosse Lectr.

Pathology [Marks Prof.
Cleland, J. B., M.D. Syd.
Gault, Miss E. R., M.B., B.S., B.Sc. Demr.

Public Health & Preventive Med.
Hone, F. S., B.A., M.B., B.S. Lectr.

Surgical and Regional Anatomy
Scott, M. L., M.B., M.S., F.R.C.S. Lectr.

Surgery
Cavenagh - Mainwaring, W. R., M.B., B.S., F.R.C.S. Lectr.
Scott, M. L., M.B., M.S., F.R.C.S. Tutor.

Surgery, Clinical and Operative
Newland, H. S., M.B., M.S. Lectr.
Smeaton, B., M.B., B.S. Clinical Lectr.

Surgical Registrar
Jones, A. T. Britten, M.B., B.S., F.R.C.S.

Clinical Teachers
The Staff of the Adelaide and of the Children's Hospls.

Dental Science

Lectrs. : (Prosthetics).
Chapman, A. I., D.D.S.
Reid, F. W., B.Sc. (Metal.).
Trott, L. W., D.D.S. (Mat. Med., etc.).
Fuller, W. (Histology).
Millhouse, E. J., D.D.S. (D. Surg. & Path.).
Smeaton, B., M.B., B.S. (Surg.).
Southwood, A. R., M.D., M.S. (Med.).
..... (Operative Dentistry).
Begg, P. R., B.D.Sc. Melb. (Orthodontics).
Brown, Gilbert, M.B., Ch.B. Liv. (Anæsthetics).
Campbell, T. D., D.D.Sc. (D. Anatomy)

Demrs. :
Mead, C. S., B.A., M.B., B.S. (Anatomy).
Edwards, H. T. J., D.D.Sc. (Crown and Bridge Work).
Moore, A. P. R., B.D.S. (Operative Technique).
Brougham, L. A. M. (Prosthetic Technique).

Tutorial Classes

..... Director, assisted by 8 tutors.

ASSOCIATED OR AFFILIATED INSTITUTIONS

RESIDENTIAL : ST. MARK'S COLLEGE, under management of Church of England, but open to men of all denominations. Opened for students in March 1925. Master : A. Grenfell Price, M.A., Dip. in Ed.

S. AUSTRALIAN SCHOOL OF MINES AND INDUSTRIES. President, Hon. Sir L. Bonython. Unites with the Univ. in providing courses and examns. in Mining, Metall., and Engin. The Chancellor is Chairman of the Joint Board.

ROSEWORTHY AGRICULTURAL COLLEGE. Affiliated for parts of the B.Sc. course for Agric. students.

WAITE AGRIC. RESEARCH INSTITUTE.

GENERAL INFORMATION (v. also p. 442)

The Univ. was established by Act of the Provincial Legislature in 1874 with endowments of £40,000 from Sir W. W. Hughes and Sir T. Elder, and a land grant of 50,000 acres (subsequently repurchased by Govt. for £40,000) as well as a site of 5 acres in the city and a recurrent money grant. Sir T. Elder died in 1897, leaving £65,000 to the Univ. In 1911 the State Parliament sanctioned an additional annual grant and took power to appoint 5 additional members of the Council which, until then, consisted of 20 elected by the Senate. In 1914–19 Mr. Peter Waite presented to the Univ. approximately £55,000 and extensive estates, including a mansion, and in 1920 Sir J. L. Bonython gave £40,000 for a Great Hall and in 1926 £20,000 to endow the Chair of Law. The annual Govt. grant raised in 1919 by £20,000 is now about £42,700. The value of the endowments is £460,000, and the Income for 1925 was £81,660.

LIBRARY, over 50,000 volumes. LABORATORIES, Biol., Bio-Chem., Bot., Chem., Engineering, Path., Physics, Physiology. The Univ. assists in the management of a Public Library, MUSEUM and ART GALLERY, and controls the ELDER CONSERVATORIUM (annual fee, 14 gs.).

FACULTIES. Arts, Science, Law, Medicine, Dentistry, Music, Applied Science (including Staff of S. Aus. School of Mines and Industries).

DEGREES. Obtainable after 3 yrs.' course, B.A., B.Sc., Mus.Bac.; 4 yrs.', LL.B., B.E., B.D.S.; 6 yrs.', M.B., B.S.

HIGHER DEGREES. Open to bachelors of 2 yrs.' standing, M.A., M.Sc., M.E., LL.M.; 3 yrs.', M.D., M.S., D.D.Sc., Mus.Doc.; 4 yrs.', D.Sc., LL.D.

DIPLOMAS. Applied Science (Mining, Metall., or Engin.—Civ., Elec., Mech., or Archit.), 4 yrs.' course; Commerce (A.C.U.A.) evening courses; Education (post-graduate); Forestry, 2 yrs.'; Music (A.M.U.A.), 3 yrs.'; Economics and Polit. Sc., 3 yrs.'

A "Final Certificate in Law" for admission as a practitioner in the Supreme Court is obtainable by articled clerks on a curriculum less extensive than that for the LL.B.

The Univ. conducts PUBLIC EXAMNS. of various grades, irrespective of those for its own degrees, etc., namely, in General Education—Intermediate, Leaving, and Leaving Honours; in Commercial Education—Intermediate and Leaving; and Music.

SCHOLARSHIPS, etc., for graduates. Angas Engineering, £200 p.a. for 2 yrs., not open to graduates of other Univs.; several smaller.

RESIDENCE. St. Mark's Residential College was incorporated in the Univ. in 1925.

ADULT EDUCATION. Tutorial classes were established in 1918. The subjects taught are Engl. Lit., Psychology, Mod. Hist., Economics, Polit. Sc., Music. At the Univ. the courses extend over 3 yrs. Four classes are held in country centres. Public lectures given occasionally.

CALENDAR publd. in Feb. Price 2s. 6d.

GRADUATES' ASSOCN. Hon. Sec.—D. H. Hollidge, Box 498, G.P.O.

THE YEAR 1925–26

BENEFACTIONS. Hon. Sir J. L. Bonython, £20,000 for Chair of Law; Sir Josiah Symon, £10,000 for Women's Union Building; Sir Joseph Verco,

£5000 for publication of results of medical research; J. T. Mortlock, £2000 for laboratory at Waite Agric. Research Institute; Old Scholars of Unley Park School, £450 for a Thornber bursary.

NEW BUILDING for Engineering and Physics Depts. completed (£50,000).

NEW POSTS. Surgical Registrar; Lectr. in Dental Anatomy; Tutors in Obstetrics and Economics. *Elder Conservatorium*: Teacher of Aural Culture and Musical Appreciation.

REGULATIONS were made providing for the Degree M.Sc. and creating an Appointments Board.

RESIGNATIONS. H. H. Corbin, Lectr., apptd. Prof. of Forestry at Auckland Univ. Coll., N.Z.; H. Heaton, Lectr., apptd. Prof. of Economics and Polit. Sc., Queen's Univ., Kingston, Canada; A. J. Lewis, Medical Registrar, awarded research scholarship by Rockefeller Foundation (Aug. 1926).

STUDENTS. Total, full-time, 791 (including women—211), all preparing for a first degree, in Arts and Pure Science 389 (w. 172), Medicine 134 (w. 7), Law 70 (w. 6), Engin. 88, Dentistry 24 (w. 2), Music 12 (w. 8); graduate students, in Arts, etc. 43 (w. 13), Med. 5, Law 4 (w. 2), Eng. 2, Dent. 5; other full-time, Arts, etc. 3, Law 12. Part-time: total, 1289 (w. 595); graduate, Arts, etc. 14 (w. 4), Comm. 5; degree students, 228 (w. 69); Diploma, Arts, etc. 8 (w. 2), Law 2, Eng. 14, Dent. 1, Comm. 315 (w. 42), Music 62 (w. 51); occasional, Arts 103 (w. 1), Med. 5 (w. 4), Music 543 (w. 422). Resident in college, 22. Tutorial class students, 1039. Pre-matriculation (included in above), 108 (w. 5).

DEGREES OBTAINED. B.A., 19 (w. 9); B.Sc., 16 (w. 1); M.A., 5 (w. 1); LL.B., 15 (w. 2); M.B., B.S., 22 (w. 1); B.D.S., 2; B.E., 13; M.S., 1; M.E., 1; Mus.Bac., 3 (w. 2).

DIPLOMAS in Applied Science, 17; in Commerce, 22 (w. 5); in Economics and Polit. Sc., 4; in Music, 7 (w. 4).

EXTENSION LECTURES. 3 courses (9 lectures in all) by three members of the staff. Attendance, 600.

JUBILEE CELEBRATIONS. The University celebrated the fiftieth anniversary of its foundation in August 1926.

UNIVERSITY OF MELBOURNE

VISITOR—H.E. THE GOVERNOR.

CHANCELLOR—Sir J. H. MACFARLAND, M.A., LL.D.

VICE-CHANCELLOR—Sir JOHN MONASH, G.C.M.G., K.C.B., V.D., B.A., D.Eng., LL.D.

REGISTRAR—J. P. BAINBRIDGE, F.I.C.A., F.C.I.S., J.P.

ASSISTANT REGISTRAR—S. S. ADDISON, M.B.E., B.Sc. Adel., J.P.

LIBRARIAN—LEIGH SCOTT, B.A.

PROFESSORS, LECTURERS, ETC.

Accountancy, v. Com.

Agriculture, v. also Zoology
Wadham, S. M., M.A. Camb.
Prof. and Dir. of School.
Robertson, W. A. N., B.V.Sc.
Lectr. (*Animal Husbandry*).
Archer, R. T. Lectr. (*Dairying*).
Wilson, H. C. Lectr.
French, C. H.
Lectr. (*Ag. Entomology*).
Brittlebank, C. C.
Lectr. (*Plant Pathology*).
Carmody, P. J.
Lectr. (*Horticulture*).
de Castella, F.
Lectr. (*Viticulture*).
McDonald, G. W.
Lectr. (*Wool Classing*).

Agric. Engineering [Lectr.
Rennie, E. J. C., M.E. Adel.

Anatomy
Berry, R. J. A., M.D., Ch.M., F.R.C.S. Edin., F.R.S.E.
Prof.
Hurley, L. E., M.D., M.S.
Sr. Lectr.
Coates, A. E., M.B., B.S.
Stewart Lectr.

Anat., Regional and Applied
Newton, H. A. S., M.B., M.S., F.R.C.S. Eng. Lectr.

Architecture
Gawler, J. S., F.R.V.I.A. Lectr.
Sutherland, G. J., Dip. Arch.
Lectr.
Irwin, L., A.R.I.B.A.
Dir. of Atelier.
Clark, E. J., F.R.V.I.A. Lectr.
Good, Eileen M. F., Dip.Arch.
Sr. Demr.

Bacteriology, v. Med.

Bio-Chemistry, v. Physiology

Botany & Plant Physiology
Ewart, A. J., D.Sc. Lond., Ox., and Melb., Ph.D. Leip., F.L.S., F.R.S. Prof.
McLennan, Ethel I., D.Sc.
Sr. Lectr.
Patton, R. T., B.Sc.
Sr. Lectr. (Agr. B. and Plant Path.)
Sr. Demr.
Petrie, A. H. K., B.Sc. Syd. Demr.

Chemistry, v. also Bio-Chem.
Rivett, A. C. D., M.A., B.Sc. Ox., D.Sc. Prof.
Hartung, E. J., D.Sc.
Assoc. Prof.
Green, W. H., D.Sc. Sr. Lectr.
Davies, W., M.Sc. Manc., Ph.D. Ox.
Sr. Lectr. (Organic Chem.)

Anderson, V. G.
Lectr. (Principles of Applied Chem.).
Ampt, G. A., B.Sc. Lectr.
Sugden, Ruth, M.Sc. Sr. Demr.
Scott, Margaret E., B.Sc. Sr. Demr.

Classical Philology
Scutt, C. A., M.A. Camb. Prof.

Classics Sr. Lectr.
Kerry, W., M.A. Camb. and Melb.
Cornwall, E. W., B.A. Ox.
Evening Lectr.

Commerce [Prof.
Copland, D. B., M.A., D.Sc. (N.Z.)
Wood, G. L., M.A. Adel.
Sr. Lectr. (*Economics*).
Mauldon, F. R. E., B.A., M.Ec. Syd. Sr. Lectr. (*Economics*).
Nixon, E. V., F.C.P.A.
Lectr. (*Accountancy*).
Fitzgerald, A. A., F.I.C.A.
Asst. Lectr. (*Acctcy*).
Lemmon, R. B.
Lectr. (*Business Principles*).
Kelly, E. C. W., LL.M.
Lectr. (*Law*).

Dentistry, v. Affiliated Colls.

Dutch
Lodewyckx, A. (v. German) Instr.

Economics, v. Com.

Education [Prof.
Smyth, J., M.A., D.Phil. Edin.
Sharman, M. S., M.A., M.Sc.
Sr. Lectr.
Browne, G. Stephenson, M.A., Dip.Ed. Sr. Lectr.
Whyte, Elizabeth, M.A., Dip.Ed.
Lectr.
Marshall, Isabella D., M.A. Ox. and Dub., Dip.Ed. Camb.
Lectr.
Collman, R. D., B.A. Lectr.
Greig, Jane Stocks, M.B., B.S., D.P.H. Lectr. (Hygiene).
Hoy, Alice, M.A., Dip.Ed. Lectr.
Wilson, H. W., B.Sc. Lectr.
Cunningham, K. S., M.A., Dip.Ed.
Lectr.

Engineering, v. also Agric.
Payne, H., M.I.C.E., M.I.M.E.
Prof.
Kernot, W. N., M. Mech. E., M.I.C.E.
Assoc. Prof. (Design, etc.).
Sexton, C. W. N., M.C.E., A.M.I.C.E.
Sr. Lectr. (Civ. E.).
Brown, E. B., D.Sc., A.C.G.I.
Sr. Lectr. (Elec. E.).
Darwin, E. R. H., B.Sc. Adel., L.S., A.M.I.C.E. Adel.
Sr. Lectr. (Surveying).
Bassett, W. E., M.C., B.E.E.
Sr. Lectr. (Mech. E. and Aerodynamics).
Rennie, E. J. C., M.E.
Sr. Lectr. (Applied Mechanics).

Lectrs. :
Clark, G. C. L., M.M.E., B.Sc. Tasm. (*Mining*).
Callaway, A. E., C.E. (Roads).
Harris, N. C., D.S.O., M.Sc.
(Works Practice).
Summons, W. E., M.D., B.S., D.P.H. (Ambulance).
Isaacs, D. V. Sr. Demr. (Civ. E.).
Sublet, F. G. A., B.E.E.
Sr. Demr. (Elec. E.).
4 Demrs.

English Lang. and Lit. [Prof.
Wallace, R. S., M.A. Aberd. & Ox.
Derham, Enid, M.A. Sr. Lectr.
Price, W. T., M.A. Sr. Lectr.
Berry, Beatrice M., B.A. Tutor.
Martin, Helen W. S., M.A. Tutor.
McKenzie, K. A., M.A. Tutor.

French [Sr. Lectr.
Chisholm, A. R., B.A. Syd.
Karagheusian, V. N. T. Lectr.
Coverlid, Dorothea R., M.A.
Tutor (Science Students).

Geology and Mineralogy [Prof.
Skeats, E. W., D.Sc. Lond. and Melb., A.R.C.Sc. Lond., F.G.S.

Summers, H. St. J., D.Sc. Assoc. Prof.
McInerny, Kathleen M. M., M.Sc. Demr. & Asst. Lectr.
Singleton, F. A., M.Sc. (Agric. G.) Sr. Lectr.
Chapman, F., A.L.S. (Palæont.) Lectr.
Hauser, H. B., M.Sc. Sr. Demr.
1 other Demr.

German [Assoc. Prof.
Lodewyckx, A., M.A., Litt.D.
Coverlid, Dorothea R., M.A. Tutor (Science Students).

Histology [Sr. Lectr.
Hurley, L. E., M.D., M.S.

History
Scott, E. Prof.
Webb, Jessie S. W., M.A. Sr. Lectr.
Foenander, O. de R., LL.M. Evening Lectr
Bailey, K. H., B.A., B.C.L. ,,
Penington, Frances E., M.A. Tutor.
Mulvany, J. F., B.A. Tutor.

Japanese
Inagaki, M. Instr.

Law
Moore, Sir Wm. H., K.B.E., C.M.G., B.A. Camb., LL.B. Lond., LL.D. St. And. & Melb. Prof.
Duffy, C. Gavan (Contracts, Equity, etc.) Lectr.
Gregory, R. H., LL.B. (Land, etc.) Lectr.
Fullagar, W. K., B.A., LL.B. (Wrongs, etc.) Lectr.
Moore, J. H., B.A., LL.M. Tutor.
Phillips, P. D., M.A., LL.B. Tutor.

Mathematics, Pure and Mixed
Michell, J. H., M.A. Camb., F.R.S. Prof.
Gundersen, G., B.Sc. Sr. Lectr.
Barnard, R. J. A., M.A. Sr. Lectr.
Belz, M. H., M.Sc. Camb. Lectr.

Medicine, v. *infra*

Metallurgy [Prof.
Greenwood, J. Neill, D.Sc. Manc.
Thompson, P. F. Lectr.

Mining, v. Engineering

Music
Heinze, B. T., Degré Sup., Schola Cantorum, Paris Ormond Prof.

Natural Philosophy
Laby, T. H., M.A., Sc.D. Camb., F.I.P. Prof.
Rogers, J. S., B.A., Dip.Ed., M.Sc. Sr. Lectr.
Love, E. F. J., M.A., D.Sc., F.R.A.S. Sr. Lectr.
Hercus, E. O., M.S. N.Z., A.Inst.P. Sr. Lectr.
Shearer, J., M.Sc. Evening Lectr.
Allen, Natalie C. B., B.Sc. N.Z., M.Sc. Sr. Demr.
Nelson, Edith A., M.A., M.Sc. Sr. Demr.
5 other Demrs.

Philos., Mental & Moral
Gibson, W. R. B., M.A. Ox. & Melb., D.Sc. Ox. Prof.
Merrylees, W. A., B.Litt. Ox., M.A. Sr. Lectr.
Parker, Olga M., M.A. Tutor.
Ball, W. M., B.A. Tutor.

Physics, v. Nat. Phil.

Physiology
Osborne, W. A., M.B., B.Ch. Belf., D.Sc. Tüb. Prof.
Young, W. J., M.Sc. Manc., D.Sc. Lond., D.Sc. Assoc. Prof. (*Bio-Chemistry*)
Maxwell, L. A. I., M.Sc., B.Agr.Sc., M.D., B.S. (also Lectr. in *Anæsth.*) Sr. Lectr.
Barrett, Sir J. W., K.B.E., C.B., C.M.G., M.D., M.S., F.R.C.S. Eng. (P. of Spec. Senses) Sr. Lectr. (Hon.).
3 Demrs.

Pub. Health, v. Med.

Sociology
Gunn, Prof. J. Alexander, M.A., Ph.D. Liv., B.Sc. Lond. Lectr.
Phillips, P. D., M.A. Tutor.

Spanish
Fernandez, R. C. Instr.

Veterinary Science, v. *infra*

Zoology
Agar, W. E., M.A. Camb., D.Sc. Glas., F.R.S. Prof.
Buchanan, Gwynneth V., D.Sc. Sr. Lectr.
Tiegs, O. W., D.Sc. Adel. Sr. Lectr.
Raff, Janet W., M.Sc. Lectr. (Agric. Entomology) and Sr. Demr.

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

Anæsthetics, v. Physiology

Bacteriology
Bull, R. J., M.D., B.S. Lectr.
Rennie, Hilda M., M.B., B.S. Sr. Demr.
Gundersen, Sara E., B.Sc., M.B., B.S. Sr. Demr.

Clinical M. and Clin. Surg.
Staffs of the Melb., Alfred, and St. Vincent's Hospls.

Ethics, Med. [Lectr.
Anderson, A. V. M., M.D., B.S.

Forensic M.
Mollison, C. H., M.B., B.S., M.R.C.S. Eng. Lectr.

Mat. Med. and Pharmacy
Stanton, B. L., M.B., B.S. Lectr.

M. Theory and Practice
Latham, L. S., M.D., B.S., M.A. Stewart Lectr.
Hiller, K., M.D. Lectr.
Sewell, S. V., M.D. Lectr.
Silberberg, M. D., M.D. Lectr.

Obst. and Gynæc.
Wilson, A. M., M.D., B.S. Melb. Lectr.

Pathology [Prof.
MacCallum, P., M.A., M.Sc. (N.Z.), M.B., Ch.B., D.P.H. Edin.
Apperly, F. L., M.A., M.D., B.Ch. Ox., M.R.C.S., L.R.C.P., D.Sc. Sr. Lectr.
Davies, G. F. S., M.B., B.S. Stewart Lectr.
Carrington, W. L., M.D., B.S. Sr. Demr.

Pub. Health [Lectr.
Sinclair, T. W., M.D., B.S., D.P.H.

Radiology [Lectr.
Cross, K. S., M.Sc., M.D., B.S.

Surgery [Stewart Lectr.
Kilvington, B., M.D., M.S.
Hurley, T. E. V., C.M.G., M.D., M.S., F.R.C.S. Lectr.
Zwar, B. T., M.D., M.S. Lectr.
Devine, H. B., M.B., M.S. Lectr.
Hailes, W. A., M.B., B.S. Lectr.
Upjohn, W. G. D., M.D., M.S. Lectr.

Therapeutics
Cowen, S. O., M.D., B.S. Lectr.

Venereal Diseases
Morris, A. E., M.B., B.S. Lectr.

Veterinary Science

Woodruff, H. A., M.R.C.V.S., M.R.C.S.Eng., L.R.C.P.Lond. Prof.

V. Anat. and Surg.
Lewis, J. C., B.Sc., D.V.Sc., M.B., B.S. Lectr.

V. Hygiene and Diet.
Cameron, S. S., D.V.Sc., M.R.C.V.S. Sr. Lectr.

V. Mat. Med.
Turner, A. W., B.V.Sc. Lectr.

V. Med. and Obst.
Bordeaux, E. F. J., B.V.Sc., B. ès L., G.M.V.C. Lectr.

V. Parasitology
Sweet, Georgina, D.Sc. Sr. Lectr.

V. Pathology, etc., v. also Zool.
Albiston, H. E., B.V.Sc. Lectr.

University Extension

Gunn, Prof. J. Alexander, M.A., Ph.D. Liv., B.Sc. Lond. Director of Tutorial Classes.

Bronner, R., B.A. Assistant Director.

15 Tutors.

AFFILIATED COLLEGES (v. also p. 442)

I.—RESIDENTIAL—Controlled by representatives of the Churches but open to members of all religious denominations:

TRINITY COLLEGE (Church of England). Warden, J. C. V. Behan, M.A., LL.D. Melb., M.A., B.C.L. Ox. Sub-Warden, G. Taylor, M.A. (West Aust.), LL.M. Other Lectrs.: R. L. Aston, B.Sc., B.E. Syd.; Miss E. L. Mollison, M.Sc.; F. H. Campbell, D.Sc.; Mrs. E. Wood, B.A.; Miss A. de P. Hitchcock, M.A.; Miss K. A. Lush, M.A.; W. L. Carrington, M.D., B.S.

ORMOND COLLEGE (Presbyterian). Master, D. K. Picken, M.A. Camb., Glas., and Melb.; Vice-Master, H. W. Allen, M.A. Other Lectrs.: Miss E. I. Mollison, M.Sc.; F. H. Campbell, D.Sc.; Mrs. E. Wood, B.A.; R. C. Bald, M.A.; H. R. Dew, M.B., B.S., F.R.C.S. (Lond.); C. J. O. Brown, M.B., B.S., F.R.C.S. (Lond.); O. de R. Foenander, LL.M.; Miss K. A. Lush, M.A.; A. D. Ross, M.A.; R. O. Cherry, B.Sc.

QUEEN'S COLLEGE (Methodist). Master, Rev. E. H. Sugden, B.A., B.Sc. Lond., Litt.D.; Vice-Master, K. H. Bailey, B.A., B.C.L. Ox.; C. J. Harmer, B.Sc.; Miss Mollison, M.Sc.; G. R. Cameron, M.B., B.S.; L. E. Hurley, M.D.; Mrs. Wood, B.A.; W. M. Ball, B.A.; E. H. Brownbill, B.E.E.; J. Shearer, M.Sc.

NEWMAN COLLEGE (R.C.). Rector, V. Rev. J. M. Murphy, S.J., M.A. Resident Tutors: W. Ryan, S.J., M.A., F.G.S., Dip.Ed.; D. Kelly, S.J., M.A.; J. X. O'Driscoll, B.A., LL.M.; E. S. Horning, M.A. Ox., M.Sc.; J. F. Mulvany, B.A. Non-Resident: R. O'Sullivan, M.B., B.S., F.R.C.S.; H. B. Devine, M.B., M.S.; T. P. Noonan, M.B., B.S.; Miss I. C. Cookson, B.Sc.; E. Prendergast, M.B., B.S.; T. King, M.D., B.S.; J. A. Clarebrough, D.D.S.; J. G. Hayden, M.D., B.S.; L. Tighe, M.B., B.S.; R. Hennessy, M.D., D.D.S.; G. V. Rush, B.A., B.Sc., LL.B.

II. AUSTRALIAN COLLEGE OF DENTISTRY. President, W. S. Wilkinson, B.D.Sc., L.D.S., D.D.S. Penn.; Prof. F. C. Wilkinson, M.D., B.D.S. Liverpool; Supdt., A. G. Poock, B.A., L.D.S., R.C.S. (Eng.). Other Lecturers (excluding those on Univ. staff): Finlay, G., L.D.S., B.D.Sc.; Allen, C. E., L.D.S., D.D.Sc.; Parrett, F. S., L.D.S., B.D.Sc.; Maclure, A. F., M.D., Ch.B.; Clark, J. K., L.D.S., D.D.Sc.; Tuckfield, W. J., M.A.C.D., D.Sc. Chic.; Down, C. H., L.D.S., B.D.Sc.; Wilkinson, W. S., B.D.Sc., L.D.S., D.D.S.

GENERAL INFORMATION (v. also p. 442)

The Univ. was founded in 1853 by Act of the Victorian Legislature. In 1923 a new University Act was passed, increasing the annual endowment for general purposes to £45,000, providing an additional grant of £8500 for Univ. Extension, a Department of Commerce, and Research, and making constitutional changes. The Council is now composed of 31 members — 10 elected by graduates, representatives of the teaching staff (5), of affiliated colleges (2), under-graduates (2), 8 appointed by the Govt. (3 being members of Parliament, the others representing business interests and technical schools), 2 *ex officio*, and 2 co-opted members. The legislative functions of the old

Senate were transferred to a Standing Committee which, in addition, may submit any matter it pleases for the consideration of the Council. Recognition was accorded in the Act to the Professorial Board and the Faculties. The grounds, 104 acres, include four 10-acre College sites surrounding a recreation ground of 16 acres.

LIBRARY, including the Med. and Chem. Departs., 45,000 vols. MUSEUMS AND LABS., Anat., Biol., Engin., Geol., Path. (18,000 specimens), Vet. LABORATORIES, Agric., Bact. (investigations undertaken for Govt. Hospitals and Med. practrs.), Chem., Dent., Metall. and Mining (with 3 head stamp battery), Physics, Physiol. VET. RESEARCH INSTITUTE. Werribee RESEARCH FARM. HALL RESEARCH INSTITUTE in connexion with Melbourne Hospl.

FACULTIES. Arts, Sc., Law, Med., Dent., Vet. Sc., Engin. (including Archit., Metall., Mining), Agric., Educn., Commerce. Conservatorium of Music (Director).

DEGREE COURSES: 3 yrs.—B.A. (ordy. and with Honrs.), B.Sc.; 4 yrs.—B.Sc. (Honrs.), LL.B., Mus.Bac., B.D.Sc., Lic.V.Sc., B.V.Sc., B.C.E., B.M.E., B.Met.E., B.E.E., B.Mech.E., B.Agric.Sc.; 5½ yrs.—M.B., B.S.

The first 2 years for the LL.B. may be those of the Arts course. The 2nd year of the B.Agr.Sc. course is passed at Werribee Research Farm.

HIGHER DEGREES. Open to Bachelors of 1 yr.'s standing—LL.M., M.V.Sc.; 2 yrs.'—M.A., M.Sc., M.D., M.S., D.D.Sc., M.C.E., etc.; 3 yrs.'—Mus.D., D.V.Sc.; 4 yrs.'—D.Sc., LL.D.; 5 yrs.'—D.Eng.; 7 yrs.'—D.Litt. Courses of MEDICAL POST-GRADUATION STUDY arranged by special Committee on which Univ. is represented.

DIPLOMAS (which except Dip.Ed. and Archit. can be taken without Matricn.): Educn., 3 yrs.' course, which may include 2 yrs. of the course for any degree in the Univ.; Analyt. Chem., 9 mos. following Final Hons. in Chem.; D.P.H., open to Med. grads. of Melb. of 1 yr.'s standing and persons who have for 1 yr. been qualified for registration as Med. practr. in U.K., 9 mos.; D.T.M., open to Aus. Med. practrs. of 1 yr.'s standing, 3 mos.; Archit., 4 yrs.; Agric., 4 yrs.; Commerce, 3 yrs.

SCHOLARSHIPS, ETC. Aggregate annual value about £8914. Among the more important are £100 in Pathology, £100 for Econ. Research, £150 (for 2 yrs.) in Botany and in Vet. Anat., £100 in Anat., £100 for Scientific Research.

The Act of 1923 provided for the admission of the following free students: 15 certificated teachers of the Education Dept. *per annum*; 5 other Govt. officers *per annum*; 50 other persons *per annum*. All other certificated teachers and students of Training Colleges are admitted at half fees.

A *Students' Loan Fund* has assets exceeding £30,000.

RESIDENCE. The Affiliated Colls. (v. *supra*) accommodate over 400 resident students.

ADULT EDUCATION. Tutorial classes are conducted in the city and suburbs and 6 country centres.

PUBLIC EXAMINATIONS. School Intermediate and School Leaving are held by the Univ. annually in Dec.; the Intermediate qualifies for entry into the State Public Service, the School Leaving certif. qualifies for matricn. The Univ. also arranges for the Inspection of Secondary Schools.

PUBLICATIONS. *Calendar*, 3s. net, includes list of publicns. by members of staff; *Univ. Magazine*; *Univ. Review*; *Examn. Papers*, 1s.; *Students' Handbook*, 1s.; *Handbook of Pub. Examns.*, 2s. 6d.; *Conservatorium Prospectus*;

Manual of Pub. Examns. in Music; *Record of Active Service*, 1914–18. Students' journals: *Farrago* (weekly), *Speculum* (Medical), *The Margin* (Commerce).

The UNIVERSITY PRESS, founded in 1921, has published several important books by members of the Univ., embodying results of research in subjects peculiar to Australia. Messrs. Macmillan & Co. act as distributing agents. It conducts an exchange business in text-books, and caters for students' requirements in stationery and apparatus.

THE YEAR 1925–26

BENEFACTIONS. Edward Wilson ("The Argus") Trust, £5000 for Obstetrical Research and £900 for Psychiatric Research; Sir John and Lady Higgins, £2500 for Veterinary and Agric. Research; late E. J. B. Nunn, £5300 for general purposes; late David Aitchison and late Miss Hickman, £13,000 for Scholarships; G. H. Sutton, £500 for Classical Museum; A. N. T., £250 for Research; late R. J. Fletcher, £7500 for Research concerning Cancer and Anæsthetics; late W. R. Pearson, £3600 for Scholarship and £3600 for Tubercular Research; Returned Soldiers' Association, £600 p.a. for Travelling and Research Scholarships; Subscribers, £1000 for Extensions.

DEATH. Sir Harry Brookes Allen. RETIREMENTS: R. H. Morrison, E. D. Ulrich.

INTERCHANGE OF UNIV. TEACHERS. Miss E. L. McLennan, Senr. Lectr. in Botany, returned after 12 months' absence on research work at Cambridge and Rothamsted; Prof. Agar returned after 9 months abroad, the latter part in America as the guest of the Rockefeller Foundation; Prof. Payne proceeded to Europe on 12 months' leave; Prof. Copland on 12 months' leave as the guest of the Rockefeller Foundation; Prof. Woodruff, 3 months' leave to attend Pan-Pacific Congress in Japan; Prof. Greenwood, 5 months to visit works in Canada. Three lecturers were given 6, 8, and 12 months' leave to visit Europe. S. M. Wadham from Cambridge Univ. was appointed Prof. of Agric.

REGULATIONS. For the proportional representation system of election to Council, etc., the new Nanson system based on majority representation was substituted.

STUDENTS (1925). Total, 2557 (including 638 women), of whom 409 (w. 66) resided in colleges. Attending lectures, in Arts and Education, 684 (w. 306); Commerce, 323 (w. 15); Journalism, 13 (w. 8); Law, 305 (w. 11); Engineering, 177; Medicine (including Massage), 413 (w. 46); Public Health, 3 (w. 1); Science, 218 (w. 69); Analytical Chemistry, 2 (w. 1); Music, 201 (w. 168); Dentistry, 80; Agriculture, 33 (w. 4); Veterinary Science, 21 (w. 1); Architecture, 67 (w. 6); Research, 17 (w. 2). Evening students included in the foregoing, 541 (Commerce, 296; Arts, 180). Free students, 211.

UNIV. EXTENSION. Tutorial class students, 966; correspondence tuition, 310; Extension lectures, 90; wireless "lecturettes," 42; vacation school students, 400.

DEGREES CONFERRED (1925): B.A., 108 (women 44); B.Sc., 46 (w. 12); LL.B., 49 (w. 2); B.C.E., 24; B.M.E., 1; B.Met.E., 1; B.Mech.E., 1; B.E.E., 12; Mus.B., 7 (w. 6); B.D.Sc., 23; B.V.Sc., 3; B.Ag.Sc., 10; M.A., 41 (w. 17); Litt.D., 1; M.B., B.S., 145 (w. 17); M.D., 8 (w. 1); LL.M., 4 (w. 1); M.C.E., 3; M.M.E., 1; M.E.E., 2; M.Sc., 5 (w. 1); M.Ag.Sc., 2; D.V.Sc., 1; D.Sc., 1.

UNIVERSITY OF QUEENSLAND, BRISBANE

CHANCELLOR—.....

VICE-CHANCELLOR—Hon. A. J. THYNNE.

REGISTRAR—J. F. MCCAFFREY.

LIBRARIAN—.....

PROFESSORS, LECTURERS, ETC.

Biology

Goddard, E. J., B.A., D.Sc. Syd. Prof.
Cayzer, A., B.Sc. Syd. Lectr.
Herbert, D. A., M.Sc. Lectr.
Hardy, G. H. Fellow in Economic B.

Chemistry

Steele, B. D., D.Sc. Melb., F.I.C., F.R.S. Prof.
Bagster, L. S., B.Sc. Melb., D.Sc. (Applied C.) Lectr.
Jones, T. G. H., B.Sc. Syd., A.I.C. Lectr.
O'Connor, E. A., M.Sc. Melb. Sr. Demr. & Asst. Lectr.
Perkins, F. A., B.Sc.Agric. Research Fellow in Applied C.

Classics

Michie, J. L., M.A. Camb. Prof.
Castlehow, S., M.A. Ox. Lectr.

Engineering

Hawken, R. W. H., B.A., M.E. Syd., M.I.C.E. Prof.
Boyd, A., D.Sc. Lond., B.E., M.I.E.E., A.M.I.C.E. Lectr. (Mech. & El. E.).
Ross, C. N., M.Sc., B.M.E. Melb. Lectr. (Civ. E.). Sr. Demr. & Asst. Lectr.
Munro, A. R., A.M.I.C.E., A.M.I.M.E.
8 Hon. Lectrs.

English Language and Lit.

Stable, J. J., M.A. Camb. McCaughey Prof.

Geology and Mineralogy

Richards, H. C., D.Sc. Melb. Prof.
Bryan, W. H., M.Sc. Lectr.

History and Economic Science

Alcock, H., M.A. Ox. McCaughey Prof.
Melbourne, A. C. V., M.A. Adel. Lectr. in Econ. and Colonial H.
Gifford, J. L. K., M.A. Glas. Lectr.

Law

Cumbrae-Stewart, F. W. S., D.C.L. Ox., Barr.-at-Law Garrick Prof.

Mathematics

Priestley, H. J., M.A. Camb. Prof.
Priest, H. J., B.A., B.Sc. Adel. Lectr.
McCarthy, J. P., M.A. Evening Lectr.

Medical Psychology

Lowson, J. P., M.A., M.D. Edin. Research Prof.

Modern Languages

Robinson, F. W., M.A. Syd., Ph.D. Jena Lectr.
Schindler, C., M.A. Lectr.

Philosophy

Scott-Fletcher, M., M.A. Syd., B.Litt. Ox. Prof.
Kyle, W. M., M.A. Lectr.

Physics

Parnell, T., M.A. Camb. Prof.
Lusby, S. G., M.A. Syd. Asst. Prof.
Rimmer, T., M.Sc. Manc. Sr. Demr. & Asst. Lectr.

Surveying

James, F. W., B.Sc. Part-time Lectr.

Correspondence Studies

Jones, T. E., B.A. Syd. Director.
Darvall, Annie E., B.A. Asst.

Workers' Tutorial Classes

Molesworth, B. H., M.A. Director.

RECOGNIZED RESIDENTIAL COLLEGES

EMMANUEL (Presb.). Principal—Mervyn Henderson, M.A. Camb.

ST. JOHN'S (C. of E.). Warden—Rev. W. H. W. Stevenson, M.A. Syd.

KING'S (Methodist). Master—H. H. Trigge, M.A., B.D.

ST. LEO'S (R.C.). Rector—Rev. E. A. Stanaway.

WOMEN'S (undenominational). Principal—Freda Bage, M.Sc. Melb., F.L.S.

GENERAL INFORMATION (v. also p. 442)

The Univ. was established by an Act of the local legislature in 1909. The entire management and control are in the hands of a Senate of 20 members, of whom 10 were appointed by the Government and 10 were elected by the Council (consisting of all members and past members of the Senate, graduates of the Univ. of 3 yrs.' standing, persons appointed by the Govt. as representatives of Commercial, Industrial, Scientific, etc., Assocns., benefactors, etc.). The annual grant from Govt. was £10,000 until 1917, when it was raised to £15,000. In 1922 it was raised to £20,000. Under the will of the late Sir Samuel McCaughey, the Univ. receives an annual income of about £8500.

The grounds, facing the Brisbane River and adjoining the Botanical Gardens, include, in addition to the main building and recreation grounds, 6 departmental buildings and the Central Technical College.

LIBRARY, 30,000 vols. LABORATORIES: Biol., Chem., Applied Chem., Engin., Geol., Metall. and Assaying, Physics.

FACULTIES. Arts, Science, Engineering, Law, Commercial Studies, Medicine. Only the first four have been organized for imparting instruction.

DEGREE COURSES. 3 yrs.—B.A., B.Sc.; 4 yrs.—B.Sc. Honours, B.Sc. (Applied) in Industrial Chem., B.E. in Civ., Mech. and Elec., Chem., or Mining Engin., LL.B.

A Diploma Course in Mech. and Elec. Engin. (may be followed in any approved Coll. or Instn.), 4 yrs.; a Diploma course of at least 2 yrs. for persons who have had 3 yrs.' practical experience of Journalism; a Diploma of Commerce, and a Commercial Certificate are offered.

HIGHER DEGREES. M.A. and M.Sc., open to B.A. and B.Sc. of 2 yrs.' standing, through examn. (M.A., examn. and thesis). M.E., open to B.E. of 3 yrs.' standing, 25 yrs. of age, engaged in professional work. D.Sc. open to M.Sc. of 5 yrs.' standing by examn. and thesis.

EVENING LECTURES AND EXTERNAL STUDENTS. Evening students may extend their course over 5 yrs. in Arts and Sc. No evening work in Engin.

subjects is done, but by 5 yrs. of evening work elsewhere exemption from the first 2 yrs. of the B.E. course may be obtained.

Persons who having matriculated are unable to attend lectures at or in connexion with the Univ. may pursue certain courses under the guidance of the Director of Correspondence studies. They may thereby, provided they pass the prescribed examns. (which may be held at local centres), qualify for a B.A. degree.

ADULT MATRICULATION. Candidates who have attained the age of 25 yrs. may be admitted to matricn. in the Faculties of Arts, Science, and Engineering upon passing a special examn.

SCHOLARSHIPS, ETC., FOR GRADUATES. 2 gold medals offered by Govt. for distinction at graduation; £100 for 2 yrs. for Chem. Research; £200 for 1 yr. for Engin. work; £250 for study outside Australasia; £300 for 3 yrs. (W. and E. Hall Foundation), of which 2 to be spent abroad in Engin. Research; £500 for 2 yrs. in Econ. Biol.

RESIDENCE. Undergraduates are required to reside with their parents or approved friends or a tutor or in a recognized Residential Coll. or boarding-house licensed by the Senate. Fees in the Colleges, including residence, commons, and tuition, 20 gs. a term (Women's £20, St. Leo's £20).

PUBLIC EXAMINATIONS are held by the Univ. annually in Nov. and Dec.: Junior, Junior Commercial, and Senior. For matriculation the corresponding public examns. of the Univs. of Adelaide, Melbourne, and Sydney are treated as equivalent to these.

PUBLICATIONS. *Calendar*, 2s. 6d.; *Manual of Pub. Examns.*, 1s.

THE YEAR 1925

BENEFACTIONS. J. M. Macrossan bequest, £2082, for Lectureship (free public); Fruit Marketing Committee, £750 for research; smaller sums, £138.

NEW FACULTY. It was resolved to establish a full teaching Faculty of Law as from the beginning of 1926.

DEGREES CONFERRED. B.A., 23 (including 9 women); M.A., 6 (w. 2); B.Sc., 15 (w. 5); M.Sc., 7; B.E., 8.

NUMBER OF STUDENTS (1924). Matriculated, 109, including 40 women. Evening students, 96 (w. 26); External (correspondence), 155 (w. 34). Grand total, 457 (w. 133).

UNIVERSITY EXTENSION. Enrolled for intra-mural public lectures, 210. Workers' Tutorial classes, 214.

UNIVERSITY OF SYDNEY

VISITOR—H.E. THE GOVERNOR.

CHANCELLOR—Hon. Sir WILLIAM PORTUS CULLEN, K.C.M.G., M.A., LL.D.

DEPUTY-CHANCELLOR—The Hon. PHILIP STREET, B.A., Chief Justice.

VICE-CHANCELLOR—Emeritus Professor Sir MUNGO W. MACCALLUM, K.C.M.G., M.A., LL.D., D.Litt.

REGISTRAR—W. A. SELLE, M.A.

LIBRARIAN—H. M. GREEN, B.A., LL.B.

TUTOR TO WOMEN STUDENTS—ISABEL M. FIDLER, B.A.

PROFESSORS, LECTURERS, ETC.

Accountancy, v. Com.

Agriculture

Watt, R. D., M.A., B.Sc. Prof.

Lectrs. :

Waterhouse, W. L., B.Sc.Agr. (Plant Path. and Agr. Bot.).

Wright, G. (A. Chem.).

Anderson, R. H., B.Sc.Agr. (Forestry).

Wolstenholme, E. K., F.L.S. (Fruit Culture).

Anatomy

Burkitt, A. N. St. G. H., M.B., B.Sc. Challis Prof.

Stump, C. W., M.D., D.Sc. (Ed.) Assoc. Prof.

Lectrs. :

Maguire, F. A., D.S.O., M.B., Ch.M., F.R.C.S.

Coen, B. J., M.B.

Latham, O., M.B., Ch.M.

Coppleson, V. M., M.B., Ch.M.

Wilkinson, H. J., M.B., Ch.M.

Matthews, G. P.

Demrs. :

Storey, J. C., O.B.E., M.B., Ch.M., F.R.C.S.

Fisher, E. M., M.B., Ch.M.

Silverton, R. J., M.B., Ch.M.

Miller, I. D., M.B.

Booth-Clarkson, Cynthia, B.Sc.

Anthropology [Prof.

Brown, A. Radcliffe, M.A. Camb.

Architecture [Prof.

Wilkinson, L., F.R.I.B.A., F.I.A.

Hook, A. S., A.R.C.A. (Constn.) Lectr.

Carter, N. (Freehand Dr.) Instr.

Moore, J. D. (Design) Lectr.

Berry, J. L. (Med. Arch.) Lectr.

Harris, R. K., A.R.I.B.A. (Town Planning) Lectr.

1 Studio Asst.

Astronomy

Cooke, W. E., M.A. Prof.

Sawkins, D. T. (v. Econ.) Lectr. (Geodesy & A.)

Botany, v. also Agric.

Lawson, A. A., D.Sc. Prof.

McLuckie, J., M.A. Glas., D.Sc. Asst. Prof.

Brough, P., M.A., B.Sc., B.Sc.Agr. Glas. Lectr. & Demr.

2 other Demrs.

Chemistry

Fawsitt, C. E., D.Sc. Edin., Ph.D. Leip. Prof.

Iredale, T., D.Sc. Lond. Lectr.

Lectrs. & Demrs. :

Brereton, E. Le G., B.Sc.

Burrows, G. J., B.Sc.

Lions, F., B.Sc., Ph.D. Manc. Lectr.
Iredale, T., B.Sc. Syd., D.Sc. Lond. Lectr.
5 other Demrs.

Chem., Organic, Pure and Applied
Kenner, J., D.Sc. Lond., Ph.D. Heid. Prof.
Harker, G., D.Sc. Lond. Lectr.
Earl, J. C., D.Sc. Adel., Ph.D. St. And. Lectr.
1 Demr.

Classics
Woodhouse, W. J., M.A. Ox. (Greek) Prof.
Todd, F. A., B.A., Ph.D. Jena (Latin) Prof.
Powe, A. B., M.A. Q'ld (Latin) Lectr.
Robinson, A. H., M.A. (Latin) Lectr.
Shipp, G. P., B.A. (Latin) Actg. Lectr.

Commerce
Wolfenden, E. S., F.C.P.A., A.I.A. (Acctcy.) Lectr.
Cleary, W. J., B.Ec. (Business) Lectr.
Bradley, W. J., B.A., LL.B. (Com. and Indust. Law) Lectr.

Dentistry, v. *infra*

Economics
Mills, R. C., LL.M. Melb., D.Sc. Econ. Lond. Dean and Prof.
Benham, F. C., B.Sc. (Econ.) Lond. Lectr.
Portus, G. V., B.Litt. Ox., M.A. (E. Hist.) Lectr.
Bland, F. A., M.A., LL.B. (Pub. Admn.) Lectr.
Watts, P. R., B.A., LL.B. (Mod. Pol. Institutions) Lectr.
Sawkins, D. T., B.A. Camb., M.A. (Statistics) Lectr.

Education
Mackie, A., M.A. Prof.
Cole, P. R., M.A., Ph.D. Col. Lectr.
Roberts, T. T., M.A. Lectr.
Cameron, R. G., M.A. Lectr.

Engineering, v. *infra*

English Language
Holme, E. R., O.B.E., M.A. McCaughey Prof.

English Literature
MacCallum, M. W., M.A., LL.B. Glas., D.Litt. Hon. Prof.
Brereton, J. Le Gay, B.A. Prof.
Waldock, A. J. A., M.A. Lectr.
Green, H. M., B.A., LL.B. Actg. Lectr.
Mackaness, G., M.A. Actg. Lectr.

Forestry, v. Agric.

French
Nicholson, G. G., C.B.E., B.C.L. Ox., M.A. Prof.
Marks, Gladys, B.A. Lectr.
Bonnet, Paul Lectr.

Geodesy, v. Astron.

Geography
Taylor, T. G., D.Sc., B.E. McCaughey Assoc. Prof.
1 Demr.

Geology and Phys. Geog.
Cotton, L. A., M.A., D.Sc. Prof. & Hovell Lectr.
Browne, W. R., D.Sc. Asst. Prof.
Waterhouse, L. L., B.E. Lectr. & Demr.
Osborne, G. D., B.Sc. Lectr. and Demr.
Powell, Dorothy E., B.Sc. Demr.
Brown, Ida A., B.Sc. Demr.
Dun, W. S. (Palæont.) Lectr.
Quodling, Florrie M., B.Sc. Demr.
Woolnough, W. G., D.Sc. Hon. Lectr.

German and Comparative Lit.
Waterhouse, E. G., M.A. McCaughey Assoc. Prof.

History, v. also Econ.
Wood, G. A., M.A. Ox. Challis Prof.
Bruce, J. F., B.A. Ox., M.A. Assoc. Prof.

Japanese, v. Oriental

Law, v. *infra*

Mathematics, Pure and Applied
Carslaw, H. S., M.A., Sc.D. Camb., D.Sc. Glas. Prof.
Wellish, E. M., B.A. Camb., M.A. (Appl. M.) Assoc. Prof.
Lyons, R. J., B.A. Camb. Lectr.
Thorne, H. H., M.A. Camb., B.Sc. Lectr.
Walker, G., M.Sc. Actg. Lectr.

Medicine, v. *infra*

Mining
Power, F. D., F.G.S. Russell Lectr.

Oriental Studies
Sadler, A. L., M.A. Ox. Prof.
Kitakoji, I. (Japanese) Reader.

Philosophy [Challis Prof.
Anderson, J., M.A. Edin.
Jackson, R., B.A. Ox. Lectr.

Physics
Vonwiller, O. U., B.Sc. Prof.
Bailey, V. A., M.A., D.Ph. Ox. Assoc. Prof.
Lectrs. & Demrs. :
Booth, E. H., B.Sc.
Briggs, G. H., B.Sc.
1 Temp. Lectr. & 3 other Demrs.

Physiology [Prof.
Chapman, H. G., M.D., B.S. Melb.
Priestley, H., M.D., Ch.M., B.Sc. McCaughey Assoc. Prof.
Lectrs. & Demrs. :
Cotton, F. S., B.Sc.
McQuiggin, H. G., M.B., Ch.M., B.Sc.
Wardlaw, H. S. H., D.Sc.
Hindmarsh, Ellen M., B.Sc.
Demrs. :
Cooksey, T., B.Sc.
Pearce, T. R., M.B., D.P.H.

Preventive Medicine
Sutton, Harvey, M.D., Ch.B., D.P.H. Melb., B.Sc. Ox. Lectr.
Dodd, S., F.R.C.V.S., D.V.Sc. Melb. Hon. Lectr.

Psychology
Lovell, H. T., M.A., Ph.D. Jena McCaughey Assoc. Prof.
Martin, A. H., M.A., Ph.D. Col. Lectr.
Bellingham, C. E. W., B.A. Demr.

Surveying [Asst. Prof.
Craig, A. D., B.A., B.E.
3 Demrs.

Veterinary Science
Stewart, J. D., M.R.C.V.S., B.V.Sc. Prof.
Dodd, S., F.R.C.V.S., D.V.Sc. Melb. (Path., etc.) Lectr.
Gunn, R. M. C., B.Sc. (Agr.), Birm. & Syd., M.R.C.V.Sc. (Surg. & Anat.) Lectr.
Henry, M., B.V.Sc. (State Vet. San. Sc.) Lectr.
Clunies-Ross, I., B.V.Sc. (Vet. Parasitology, Mat. Med. and Pharmacy) Lectr.

Zoology [Challis Prof.
Harrison, L., B.A. Camb., B.Sc.
Briggs, E. A., M.Sc. Lectr. & Demr.
Murray, P. D. F., D.Sc. Lectr. & Demr.
Wood, Lucy M., B.A. Demr.
Nicholson, A. J., M.Sc. Manc. (Entom.) McCaughey Lectr.

Engineering

Miller, W. A., B.Sc., M.E., A.M.I.C.E. Challis Prof.
Vogan, H. J., B.E. Lectr. & Demr.
Leech, T. D. J., B.Sc., B.E. Lectr. & Demr.
Debenham, A. J., B.E. Lectr.
Larkins, H. M., B.E. Lectr.
Carleton, G. B., M.E. Lectr.
Vicars, J., M.E. Lectr.
Hodgson, C. A., M.A. (Camb.) Lectr.
3 Demrs.

Electrical E.
Madsen, J. P. V., B.E., D.Sc. Adel. Russell Prof.

Lectrs. & Demrs. :
Sharp, L. H., B.Sc., B.E.
Campbell, E. F., B.E.

Mechanical E.
Barraclough, Sir S. H. E., K.B.E., M.M.E. Corn., B.E., M.I.M.E., M.I.C.E. Russell Prof.
Sutherland, G. F., A.R.C.S. Asst. Prof.

Lectrs. & Demrs. :
Swain, H. J., B.A., B.Sc., B.E.
Gibson, W. H. H., B.Sc., B.E.
Hart, K. R. M., B.Sc., B.E.
3 Hon. Lectrs.

Technology and Metallurgy
Eastaugh, F. A., A.R.S.M., F.I.C. Assoc. Prof.

Law, v. also Com.

Peden, The Hon. J. B., M.L.C., B.A., LL.B. Challis Prof.

International Law & Jurispr.
Charteris, A. H., M.A., LL.B. Edin. Challis Prof.

Contracts, Merc. Law, Torts
Sugerman, B., LL.B. Challis Lectr.

Equity and Company Law
Hooton, J. R., B.A. Ox. and Syd. Challis Lectr.

Bankruptcy and Probate
McDonald, E. F., LL.B. Challis Lectr.

Divorce [Challis Lectr.
Mackenzie, W. K. S., D.S.O., B.A.

Procedure, Pleading, & Evidence
Rowland, N. de H., B.A., LL.B. Challis Lectr.

Interpretation
Chambers, R., B.A., LL.B. Challis Lectr.

Legal Ethics
Street, K. W., B.A., LL.B. Lectr.

Roman Law [Challis Lectr.
MacCallum, M. L., M.A., B.C.L. Ox.

Criminal Law [Lectr.
Treatt, V. H., B.A., B.C.L. Ox.

Conveyancing
Watts, P. R., B.A., LL.B. Reader.

Medicine (for Preventive M. and Anat., Chem., etc., v. *supra*)

Anæsthetics
Lidwill, M. C., M.D. Tutor.
Stokes, E. H., M.B., Ch.M. Tutor.

Cancer Research
Love, W. H., B.Sc. Physicist.

Diseases of Ear, Nose, Throat
Mansfield, W. C., M.B., Ch.M., F.R.C.S. Eng. Lectr.

Diseases of the Skin [Lectr.
Molesworth, E. H., M.B., Ch.M.

Ethics of Med. Pract. [Lectr.
Todd, R. H., B.A., M.D., Ch.B.

Gynæcology
Davies, R. L., O.B.E., M.B., Ch.M., F.R.C.S. Eng. Lectr.

Infectious Diseases [Hon. Tutor.
Millard, R. J., M.B., Ch.M.

Materia Med.
Macpherson, J., M.A., M.B., Ch.M., B.Sc. Lectr.
Finnemore, H., B.Sc., F.I.C., F.C.S. Lectr. in Pharmacy.
Murphy, T. W., B.Sc. Lectr. in Pharmacy.
3 Demrs. in Pharmacy.

Medical Jurispr. [Lectr.
Todd, R. H., B.A., M.D., Ch.B.

Medicine
Mills, A. E., M.B., Ch.M. (on leave) Prof.
Smith, S. A., M.B., Ch.M. Actg. Prof.

Medicine, Clinical
Gillies, S., M.A., M.D. Lectr.
Blackburn, C. B., O.B.E., M.D., Ch.M. Lectr.
Fairfax, E. W., M.B., Ch.M. Lectr.

Ritchie, H. J., M.B., Ch.M. Lectr.
Stephen, E. H. M., M.B., Ch.M. Lectr.

Med. Tutors
McDonald, C. G., M.B., Ch.M.
Clayton, H. J., M.B., Ch.M.
Willcocks, G. C , M.B.
Evans, Wilfred, M.B.

Obstetrics [Prof.
Windeyer, J. C., M.B., Ch.M.
D'Arcy, Constance E., M.B., Ch.M. Lectr.
Ludowici, E., M.B., Ch.M. Lectr.
Craig, F. B., M.B., Ch.M. Tutor.
Furber, R. I., M.B., Ch.M. Tutor.
Gibson, A. J., M.B., Ch.M. Tutor.
Hipsley, P. L., M.B., Ch.M. Demr.
Ridler, H. A., M.B., Ch.M. Demr.
Farquharson, Alice M. Demr.

Ophthalmology
Waddy, R. G., M.B., Ch.M. Lectr.

Pathology
Welsh, D. A., M.A., B.Sc., M.D., F.R.C.P. Edin. Prof.
Inglis, W. K., M.D., Ch.M. Lectr. & Chief Demr.
Little, E. Marjory, M.B. Demr.
Edye, B. T., M.B., Ch.M., F.R.C.S. Eng. Demr.

Hon. Demrs. :
Walker, A. S., M.D., Ch.M.
Hughes, L. H., M.D., Ch.M.
Latham, O., M.B., Ch.M.
Munro, A. Watson, M.D.
Silverton, R. J., M.B., Ch.M.

Pharmacy, v. Materia Med.

Psychiatry
Dawson, Wm. S., D.M. Ox., D.P.M. Prof.

Surgery
Sandes, F. P., M.D., Ch.M., B.Sc. McCaughey Prof.

Surgery, Clinical
Abbott, G. H., B.A., M.B., Ch.M. Lectr.
Dansey, R. J. St. J., M.B., Ch.M. Lectr.
Corlette, C. E., M.D., Ch.M. Lectr.
McKelvey, J. L., M.B., Ch.M. Lectr.
Wade, R. B., M.D., Ch.M. Lectr.
Farranridge, T., M.B., Ch.M. Tutor.
Ramsay Sharp, W. A., M.B., Ch.M., F.R.C.S. (Edin.) Tutor.

Dental Science

Reading, R. F., M.R.C.S., L.R.C.P., L.D.S. Eng. McCaughey Prof.
Burne, A. D., D.D.S. Lectr.
Marshall, F., D.D.S. (Mech. D.) Lectr.
Gates, E. C., D.D.S. (Clin. D.) Lectr.
Ash, P. A., D.D.S. (Surg. D.) Lectr.
Smith, Donald (Surg. D.) Lectr.
Charlton, P. C., L.D.S., D.M.D. (Dental Mat. Med.) Lectr.
2 Demrs., 1 Hon. Demr.

University Extension

Mackay, I. G., C.M.G., D.S.O., B.A. Secy. to the Board.
Portus, G. V. (v. *supra*, Econ.) Dir. of Tutorial Classes.
Bland, F. A. (v. *supra*, Econ.) Asst. Director.
1 full-time tutor and 49 tutorial class lectrs.

COLLEGES WITHIN THE UNIVERSITY

St. Paul's College (Anglican). Warden—Rev. A. H. Garnsey, M.A., Lectr. in *Div.* and *Classics*. Sub-Warden—V. H. Treatt, B.A. Syd., B.A., B.C.L. Ox. Lectr. in *Med.*—W. C. B. Harvey, M.B., M.S. *Arts Subjects*—R. W. G. Mackay, B.A. *Science*—F. H. H. Wilson, B.Sc. *Law*—W. B. Simpson, LL.B.

St. John's College (R.C.). Rector—Very Rev. M. J. O'Reilly, D.D., Lectr. in *Christian Apologetics, English* and *Mod. Langs.* Vice-Rector—Rev.

L. Laffan, B.A., C.M. Other Lectrs.: *Med.*—O. A. Diethelm, M.B., Ch.M. *Surg.*—M. R. Flynn, M.B., Ch.M. *Scholastic Philos.*—Rev. P. Dalton. *Law*—T. P. Flattery, M.A., LL.B. *Maths.* and *Physics*—J. D. McGee, B.Sc. *Gynæcology*—D. Foy, M.B., Ch.M.

ST. ANDREW'S COLLEGE (Presb.). Principal—E. E. Anderson, M.A., D.D. Aberd. Vice-Principal—M. W. D. McIntyre, B.A., LL.B. Secretary—S. J. Carruthers. Hunter-Baillie Profs.: *Oriental and Polynesian Langs.*—E. E. Anderson, M.A., D.D. *English*—R. G. Macintyre, O.B.E., C.M.G., M.A., D.D. Lectrs.: *Law*—M. W. D. McIntyre, B.A., LL.B. *Med.* and *Surg.*—E. M. Fisher, M.B., Ch.M. *Pathology* and *Neurology*—V. R. Woodhill, M.B., Ch.M. *Science*—G. H. Clarke, B.Sc. (*Biol.*); F. H. Wilson, B.Sc. (*Phys. and Chem.*). *Religion*—The Principal. *Engl., Hist.*, and *Philos.*—A. C. Wallace, B.A. *Engin.* and *Maths.*—L. S. C. Tippett. *Histology*—L. W. Wing.

WESLEY COLLEGE (Methodist). Master—Rev. L. E. Bennett, M.A. Melb., B.D. Lond. Tutors: *Philos.*—The Master; 5 Tutors in *Med. Physics* and *Maths.*—E. Francis, B.A.

THE WOMEN'S COLLEGE (undenominational). Principal—Miss S. J. Williams, M.A. Melb. and Syd., Lectr. in *Classics*. Tutors: Miss A. MacLellan, B.A. (*French and German*); Miss P. Nicol, M.Sc. (*Physics*); Miss M. M. Wait, M.A. (*Philosophy*); Miss G. Moss, B.A., B.Sc. (*Chemistry*); Miss E. M. Tildesley, M.A. (*English*); A. J. Collins, M.B., Ch.M.; J. C. Storey, M.B., Ch.M.

SANCTA SOPHIA HALL (R.C. Women). Principal—Rev. Mother J. McRory. Lectrs.: *English* and *History*—C. Percy-Dove, M.A. *Latin*—H. N. B. Swan, B.A. *French*—M. Franck. *Philos.*, etc.—K. Donovan, M.A., B.Ec. *Maths.* and *Physics*—M. Swan, B.Sc.

GENERAL INFORMATION (v. also p. 442)

Founded by Act of the N.S.W. Legislature in 1850, the Univ. was granted a Royal Charter in 1858. Its development has been largely due to private benefactions, notably those of J. H. Challis—£250,000—in 1880, T. Fisher—£30,000 for Library—in 1885, P. N. Russell—£100,000 for School of Engineering, etc.—in 1896 and 1904, and W. O. Watt, £39,529 in 1925. Under the will of Sir S. McCaughey it receives an annual income which amounted in 1925 to £21,720. In 1912 the Statutory endowment was raised from £10,000 to £20,000, with provision for further automatic increases, and at the same time the constitution of the governing body, called the Senate, was altered so as to include 6 nominees of the Govr. and Parliament (one-fourth of the whole number). In 1917–18 the Statutory endowment was further increased to £32,000, including £2000 for the new School of Archit. In 1919 the State provided £50,000 a year for 6 years for additional buildings. The faculties were in that year increased from 4 to 10. The grounds, which include the sites of the Colleges grouped round an oval, cover 140 acres.

Provision was made by Act of Parliament soon after the foundation of the Univ. for endowing such Colleges as might be established within it, to the extent of £20,000 in aid of building and £500 p.a. towards the Principal's salary.

The LIBRARY, 150,000 vols., receives about 1800 serial publications. MUSEUMS: Nicholson collection of Egyp., Greek, Roman, and Medieval Antiq. (4000 specimens); Macleay Nat. Hist.; Anat., Geol., and Zool. LABORATORIES: Schools of Med., Engin., and Archit. (atelier), Bot., Chem. (including

Metall. and Research), Geol. (with rock analysis Research), Phys., Zool. The ROYAL PRINCE ALFRED HOSPL., erected on the Univ. grounds as a general hospl. and school, has 518 beds. Gladesville mental hospl. recognized by Camb. for clinical work for Dip. Psych. Med.

FACULTIES. Arts, Law, Med., Science, Engin., Dent., Vet. Sc., Agric., Econ., Archit.

DEGREE COURSES: 3 yrs.—B.A., B.Sc.; 4 yrs.—Honours B.Sc., B.Sc. in Agric. (3 after Agric. Coll. course), B.Ec., LL.B. (after completing 1st yr. in Arts or passing Law Entrance Examn.), B.D.S., B.V.Sc., B.E. (in Civil Engineering, Mechanical and Electrical Engineering, Mining and Metallurgy, or Engineering Technology); 5 yrs.—B.Arch.; 6 yrs.—M.B., B.S.; 2 yrs.' advanced study or research (after full 3 yrs.' course at another Univ.)—B.A. or B.Sc. The LL.B. qualifies conditionally for admission to the bar. Law students usually take the B.A. first, selecting Law subjects in 3rd yr., and complete combined course in 5 or 6 yrs., thereby gaining concessions in regard to periods of studentship and service as articled clerk. HIGHER DEGREES. Obtainable by bachelors of 2 yrs.' standing—M.A., M.Ec., LL.D., M.D., M.S., M.Sc.; 3 yrs.—D.Sc., M.E.; 5 yrs.—D.Sc. Eng.; D.Dent.Sc. DIPLOMAS. Educn. (for graduates in Arts or Sc.), 1 yr.'s course; Com., 3 yrs.; D.P.H.; D.T.M.; Psychiatry. Candidates for the Diploma of the Pharmacy Board have to attend courses in the Univ.

RECOGNITION OF STUDIES ELSEWHERE. A considerable portion (in Med. 3 yrs.) of the curriculum for a Degree must be taken in Sydney. A special grant of £100 was made by Govt. in 1925 for provision of lectures at country centres. Holders of the Diploma of the *Hawkesbury Agricultural College* or any college of similar standing who have passed the Intermediate Certificate Examn. in matriculation subjects may be admitted as matriculated students in Vet. Sc. or Agriculture.

SCHOLARSHIPS, ETC., FOR GRADUATES. Junior Demrs. are appointed annually in each Scientific Dept. with the obligation to carry out research under the direction of the Prof.; 6 post-grad. Scholarships of £150 each and 2 of £300 are awarded annually for scientific study and research in the Univ.; 4 Macleay Fellowships of £400 p.a. each are tenable by B.Sc.'s; 4 others of £300 p.a., and 2 Scholps. of £250 p.a., tenable for 2 yrs., are awarded annually for further study and research at Syd. or abroad.

RESIDENCE. The four denominational Colls. (v. *supra*) provide accommodation for 180 students; the Women's Coll. for 28, and Sancta Sophia Hall for about 25 R.C. women students.

UNIVERSITY EXTENSION LECTURES are given in courses of from 3 upwards in Sydney and numerous local centres. *Tutorial Classes* are provided, as prescribed by the Act of 1912, under the superintendence of a Joint Committee of the Univ. and Workers' Educl. Assocn. of N.S.W. In 1925 the Govt. grant for this purpose was £6370; 61 classes were at work, including 1575 effective students.

ADULT MATRICULATION. Persons of distinct educational merit who have attained the age of 25 yrs. may be admitted as matriculated students in the Faculties of Arts, Science, and Econ.

PUBLICATIONS. *Calendar* pubd. in June, 3s. 6d., with annual report and list of publicns. of Univ. Staff; Reprints of Scientific Papers by members of the Staff; *Hermes*, an undergrads.' mag., 5s. p.a. (3 issues); The *Union Recorder* (weekly during Term).

THE YEAR 1925–26

BENEFACTIONS. Estate of late W. O. Watt (additional), £5086; Dr. Gordon Craig, £300 for Fellowship in Urology.

NEW POSTS. Chair of Anthropology established under special grants from the Commonwealth and all the States. Assoc. Profs. of Maths. and History; Asst. Prof. of Surveying; Lectr. in Philos.

OTHER NEW DEVELOPMENTS. Diploma in Journalism; Degrees of B.E. in Engineering Technology, D.D.S.; Cancer Research Fund Lectures at country centres discontinued.

RESIGNATIONS. C. L. Chapman; R. G. Craig; B. C. Doig; Heather R. Drummond; J. R. Elliott; H. V. Evatt; J. M. Gill; W. N. Horsfall; W. W. Ingram; Sheila Mackay; R. Matsui; R. Okada; G. Phillips; Doris Rivett; L. R. Scholes; L. G. Teece; I. Wark. DEATHS: Eleanor E. Chase; Prof. B. Muscio; Em. Prof. W. H. Warren.

STUDENTS. Matriculated, proceeding to a first Degree: Total, 1871 (including 526 women); in Arts—Day, 473 (w. 277), Evening, 194 (w. 72); Law, 278 (w. 6); Medicine, 394 (w. 42); Science, 192 (w. 86); Engin., 118; Dentistry, 55 (w. 6); Vet. Sc., 9; Agric., 22; Economics, 118 (w. 29); Archit., 40 (w. 9). Post-graduation Students: total, 118 (w. 63); Arts, 91 (w. 54); Med., 9 (w. 1); Science, 14 (w. 8); Engin., 2; Vet. Sc., 1; Agric., 1. Non-matriculated students taking Diploma or single courses: total, 433 (w. 67); Arts, 36 (w. 20); Law, 10 (w. 3); Science, 11 (w. 4); Economics, 95 (w. 7); Pharmacy, 243 (w. 19); Massage, 11 (w. 10); Journalism, 11 (w. 1); Japanese, 8 (w. 3); others, 11 (w. 1). Grand total, 2422 (w. 656). Residing in colleges, 299 (w. 79). Travelling scholars, 4. Research Fellows: Engineering 1, Vet.Sc. 1. Travelling Studentships (Commonwealth Sc. and Ind. Research Council's), 3.

DEGREES. M.A., 11 (women 2); B.A., 139 (w. 73); LL.B., 48 (w. 1); M.D., 3; M.B., 138 (w. 11); M.S., 126 (w. 9); D.Sc., 1; M.Sc., 4 (w. 2); B.Sc., 59 (w. 27); M.E., 2; B.E., 26 (Civ. 8, Min. and Met. 1, Mech. and El. 17); B.D.S., 16; B.V.Sc., 3; B.Sc.Agr., 6; M.Ec., 19 (w. 7); B.Arch., 7 (w. 3).

UNIVERSITY OF TASMANIA, HOBART

VISITOR—H.E. THE GOVERNOR.
CHANCELLOR—Hon. Sir NEIL ELLIOTT LEWIS, K.C.M.G., M.A., B.C.L.
VICE-CHANCELLOR—W. J. T. STOPS, LL.B.
REGISTRAR—Lt.-Col. L. R. THOMAS, D.S.O., Barr.-at-Law.
LIBRARIAN—E. MORRIS MILLER, M.A., Litt.D.

PROFESSORS, LECTURERS, ETC.

Accountancy and Auditing
Hewer, A. R., A.I.C.A. Lectr.

Biology [Ralston Prof.
Flynn, T. T., D.Sc. Syd.

Botany
Rodway, L., C.M.G., F.L.S. Lectr.

Chemistry
MacLeod, P. J., B.A. N.Z. Lectr.
Kurth, E. E.
Lectr. (Applied Chem.).

Classics
Williams, W. H., M.A. Camb. Prof.
Dunbabin, R. L., M.A. Ox. Prof.

Economics
Brigden, J. B., M.A. Ox. Prof.
Belshaw, H., M.A. New Zealand Lectr.
Judd, W., M.A. Melb. (Hist. and E.) Lectr.
Reid-McIlreavy, Miss M. L., B.Com. Asst. Lectr.

Education
Johnston, J. A., M.A. N.Z. Lectr.

Engineering
Burn, A., B.E. Syd., M.Sc. Prof.
Tuck, H. P., B.Sc., B.E. Adel.
Lectr. (Elec. E.).
Schneider, W. H., B.E. Adel.
Lectr. (Mech. E.).
Dudley, C. C.
Lectr. (Drawing and Design).
Hill, Clifford Demr. (Elec. E.).

English Literature
Taylor, A. B., M.A. Ox., B.A. New Zealand Prof.

History, v. also Econ.
King, C. S., M.A. Ox., B.A. Lectr.

Law
McDougall, D. G., M.A., B.C.L. Ox., M.A., LL.D. Melb. Prof.
Griffiths, P. L., M.A. Melb., LL.B. Lectr.

Mathematics
McAulay, A., B.A. Camb., M.A. Melb. Research Prof.
Pitman, E. J. G., M.A., B.Sc. Melb. Prof.
Erwin, H. D., B.A., B.Sc. (R.U.I.) Lectr.

Modern Languages
Malthus, C., M.A. N.Z. Lectr.

Psychology
Miller, E. Morris, M.A., Litt.D. Melb. Assoc. Prof.

Physics
McAulay, A. L., B.A. Camb., Ph.D. Manc., B.Sc. Prof.
Bowden, F. P., B.Sc. Demr.

Tutorial Class Lectrs.

Prof. Brigden (Director), the Lectrs. in Economics, and 4 others.

AFFILIATED SCHOOLS

ZEEHAN SCHOOL OF MINES AND METALLURGY.
MT. LYELL SCHOOL OF MINES AND INDUSTRIES.
HOBART TECHNICAL COLLEGE.
LAUNCESTON TECHNICAL COLLEGE.

GENERAL INFORMATION (v. also p. 442)

Founded in 1890 under an Act of the Tasmanian Legislature, the Univ. was, in 1915, granted a Royal Charter. To the original Faculties—Arts, Science, and Law—Commerce was added in 1919 and Engineering in 1922. The annual Govt. grant is £11,000.

ADMISSION OF PERSONS OF MATURE AGE. Persons not below 25 yrs. of age who satisfy Board of Studies that they possess sufficient qualifications for the courses they propose to pursue may be exempted from the ordinary requirements for matricn.

LIBRARY, 20,000 vols. LABORATORIES: Chem., Phys., Biol.; Testing plant in Engin. Dept. Facilities for investigation in Elec. Engin. OBSERVATORY, 8″ reflector telescope.

DEGREE COURSES: 3 yrs., B.A., B.Sc., LL.B. (after 1 yr. of Arts course); 4 yrs., B.Com., B.Eng. HIGHER DEGREES. Open to Bachelors of 2 yrs.' standing, M.A., M.Sc., LL.M., M.Com.; 3 yrs., D.Sc.; to Masters of 3 yrs.' standing, LL.D. DIPLOMAS of the Affiliated Schools: Metal Mining; Metall., Chem., and Assaying. CERTIFICATE of Commerce, 2 yrs.' course.

UNIVERSITY EXTENSION. Tutorial classes, annual grant, £1780.

PUBLIC EXAMINATIONS. Intermediate and Leaving; Music (held in conjunction with other Australian Univs.).

PUBLICATIONS. *Calendar* (Aug.), 2s.; *Pub. Examn. Manuals*, 2s.; *Degree Examn. Papers*, 1s. Univ. news appears in Hobart *Mercury* and *World*. Students' Magazine, *Platypus*.

THE YEAR 1924–25 (return for 1925–26 not received)

BENEFACTIONS. Russell Allport Memorial and Thomas Normoyle Prizes in Engineering, value £10 each p.a.; Returned Sailors' and Soldiers' Imperial League Scholarship, £30 p.a. with lodging allowance of £50; prize of £5 : 5s. in Commerce given by the Federal Institute of Accountants; 5 prizes of £2 : 2s. each given by the Editor of the *Illustrated Tasmanian Mail*; Government Grant, £11,000 and, for W.E.A. and Tutorial Classes, £1780.

The NEW ENGINEERING BUILDINGS were opened for Electrical Engineering and Physics. The Univ. Roll of Honour Screen was unveiled in the Univ. Library.

RESIGNATIONS. The Hon. Tetley Gant, who had been Chancellor of the Univ. for 10 years; Prof. D. B. Copland, appointed Prof. of Economics in the Univ. of Melbourne; V. C. Smith.

The Tasmanian Univ. Act was amended to allow women graduates a seat and a vote on the Senate.

DEGREES CONFERRED. B.A., 10, including 2 women; B.Sc., 5 (w. 1); LL.B., 1; LL.M., 1; B.Com., 2 (w. 1).

STUDENTS. Total, 236, of whom 64 were excused attendance at lectures; Arts, 106; Sc., 36; Engin., 33; Law, 19; Commerce, 42.

UNIVERSITY EXTENSION. Tutorial Classes in 1924 in Modern History, Botany, Industrial Peace, Public Finance, Literature, Economics, Australia, and the Pacific. Average attendance, 429.

UNIVERSITY OF WESTERN AUSTRALIA, PERTH

VISITOR—H.E. THE GOVERNOR.

CHANCELLOR—Hon. A. J. H. SAW, O.B.E., M.L.C., M.A., M.D.

PRO-CHANCELLOR—CECIL ANDREWS, M.A.

VICE-CHANCELLOR—Prof. H. E. WHITFELD, B.A., B.E., M.I.M.M.

WARDEN OF CONVOCATION—ROBERTA H. M. JULL, M.B., C.M.

CLERK OF SENATE—S. H. FLETCHER.

LIBRARIAN—A. S. BROWN.

PROFESSORS AND LECTURERS, ETC.

Agriculture

Paterson, J. W., B.Sc. Edin., Ph.D. Leip. Prof.
Carne, W. M. Lectr.
Hampshire, P. G. Lectr.
Wickens, G. W. Lectr.

Biology

Nicholls, G. E., D.Sc. Lond., A.R.C.Sc. Prof.
Milner, Dorothy F., B.Sc. Asst.
Reed, Eileen R. L., B.Sc. Adel. Asst.
Newton, E. A. R. Demr.

Chemistry

Wilsmore, N. T. M., D.Sc. Melb., F.I.C. Prof.
Tattersall, G., M.Sc. Manc., F.I.C. Assoc. Prof.
Babington, P. Demr.

Classics

Wood, G., M.A. Aberd. Assoc. Prof.
Laidlaw, W. A., M.A. Lectr.

Education

Rooney, W. J., B.A. Syd. Lectr.

English

Murdoch, W. L. F., M.A. Melb. [Prof.
Thompson, H. S., M.A. Lectr.

Fine Art

Morrison, G. P. Lectr.

French and German

Irving, G. T., M.A. Edin. Lectr.
D'Herbois, R. C. Lectr.
Graebner, R. M. Lectr.

Geology

Clarke, E. de C., M.A. N.Z. Lectr.
Hosking, L. F. V., B.A. Demr.

History and Economics

Shann, E. O. G., M.A. Melb. Prof.
Alexander, F., B.A. Melb. and Ox. Asst.

Mathematics and Physics

Ross, A. D., M.A., D.Sc. Glas., F.R.S.E., F.R.A.S., F.Inst.P. Prof.
Thompson, R. D., M.A. N.Z., M.Sc., F.R.A.S., A.Inst. P. Lectr.
Moir, Margt. B., M.A., D.Sc. Glas. Lectr.
Orton, A. A., B.A., M.Sc. Asst.
Everson, D. W. Demr.

Mining and Engineering

Whitfeld, H. E., B.A., B.E. Syd., M.I.M.M. Prof.
Fraenkel, P. H., B.E.E. Melb., A.M.I.E.E. Assoc. Prof.
McLagan, W. Lectr.
Wright, A. R. L., L.R.I.B.A. Lectr.
Haynes, H. T., M.Inst.C.E., M.R.S.I. Lectr.
O'Brien, P. V., M.Inst.C.E. Lectr.

Anketell, R. J.	Lectr.	*Surveying*	
Townsend, W. G., A.M.I.E.A.	Demr.	Nunn, G. M., L.S.	Lectr.
Music		*Veterinary Science*	
Leckie, A. J., Mus.Bac.	Adel., Lectr.	Le Soeuf, E. A., B.V.Sc. F.Z.S.	Melb., Lectr.
Philosophy		**University Extension**	
Fox, A. C., M.A. Syd.	Lectr.	6 Tutors for Correspondence Courses.	
Laidlaw, W. A., M.A.	Lectr.		
Stoneman, Ethel T., M.A.	Lectr.		

AFFILIATED SCHOOLS

PERTH TECHNICAL SCHOOL, and SCHOOL OF MINES, KALGOORLIE.

GENERAL INFORMATION (v. also p. 442)

Established by Act of the State Legislature in 1911, the Univ. opened its first session in 1913. It has a large endowment of land granted by Govt., including a site of 165 acres for buildings, and receives an annual grant of £20,000. The administration is vested in a Senate of 18 persons, of whom 6 are nominated by Govt.

LABORATORIES. Agric., Biol., Chem., Geol., Engin., Phys., Psych.

FACULTIES. Arts, Sc. (including Agric.), Engin.

DEGREE COURSES: 3 yrs.—B.A., B.Sc.; 4 yrs.—B.A. (Hons.) and B.Sc. (Hons.); 5 yrs.—B.E. (a sandwich system during last 3 yrs.) and B.Surv. (including 2 yrs.' field work). First year Med. course in Fac. of Sc.

EVENING CLASSES are held in the Arts Faculty only, but certain Science classes may be taken in the evenings at affiliated Colleges.

HIGHER DEGREES. M.A., M.Sc, M.E., D.Litt., D.Sc.

DIPLOMAS. Agric.

PUBLIC EXAMINATIONS. School Certifs. (Junr. and Leaving), Art Certif., and Music.

ADULT MATRICULATION. Persons who have attained the age of 25 yrs. may be admitted without examn. as matriculated students if the Faculty is satisfied that they possess sufficient educational qualifications.

PUBLICATIONS. *Calendar* (Dec.), 2s. 6d.; *Public Examn. Manuals*; *Black Swan* (Students' Magazine).

THE YEAR 1926

BENEFACTIONS. Estate of the late Sir Winthrop Hackett (first Chancellor of the Univ.), valued at over £600,000, to be distributed, ¼ to the Anglican Church to erect a Univ. Coll. with chapel, ¾ for a Winthrop Hall for the Univ., and ¼ for the assistance of deserving students of the Univ.

BUILDINGS, ETC. Addition to the Engineering bldg. (cost £7000), and plans for a Physics bldg. to cost £22,000, and for laying out a sports oval.

NEW DEPARTMENTS. Six tutors were appointed in connexion with correspondence courses for external students living outside the metropolitan area.

A degree of Bachelor of Surveying was instituted, the course extending over 5 years from matric., and including at least 24 months' field work. Two new lectrs. to provide additional courses in Fine Art and Psychology.

EXCHANGES OF STAFF. Miss E. R. L. Reed, Lectr. in Biology, has interchanged for 1925-26 with Dr. J. G. Wright of the Univ. of Toronto.

SCHOLARSHIPS. Miss G. Dowson, B.A., H. L. Fowler, M.A., and Miss Jean Hamilton, B.A., were granted travelling scholarships for the purpose of study in Europe. Mr. C. W. Allen, B.Sc., was appointed to a Research Fellowship at the Commonwealth Solar Obs., Canberra; Mr. L. J. Rogers. B.E., to a travelling Research Studentship under the Council of Scientific and Industrial Research.

SPECIAL COURSES in Rural Household Science and for Journalists.

EXTENSION LECTURES. Many Univ. Extension Lects. have been given in provincial towns and country districts, and over 50 lectures arranged in courses of 4 to 7 have been broadcasted.

STUDENTS. Full-time: total, 233 (including 100 women); preparing for a first degree in Arts or Pure Science, 181 (w. 99); Medicine, 6; Engin., 45. Part-time: total, 140 (w. 63); graduate students in Arts, etc. 36 (w. 19), Engin. 2; degree students, Arts, etc. 93 (w. 41); occasional, 9 (w. 3). Pre-matriculation, 9. Univ. extension, total, 146; Music 70 (w. 65), Art 28 (w. 6), Forestry 29 (w. 3), water-supply 19.

DEGREES. B.A., 36 (w. 24); B.Sc., 12 (w. 2); B.E., 4; M.A., 3 (w. 2); B.Sc.Agric., 4; Dip.Agr., 1; M.Sc., 1.

UNIVERSITY OF NEW ZEALAND

VISITOR—H.E. THE GOVERNOR-GENERAL.

CHANCELLOR—J. MACMILLAN BROWN, M.A., LL.D. Glas.

VICE-CHANCELLOR—J. RANKINE BROWN, M.A. St. And. and Ox.

CHAIRMAN, BOARD OF STUDIES—Prof. H. W. SEGAR, M.A. Camb., Auckland.

REGISTRAR—E. T. NORRIS, M.A., Wellington.

AGENT IN ENGLAND—J. W. JOYNT, M.A. Dub., 88 Gower Street, London, W.C.1.

AFFILIATED INSTITUTIONS

UNIVERSITY OF OTAGO, DUNEDIN; CANTERBURY COLLEGE, CHRISTCHURCH; AUCKLAND UNIVERSITY COLLEGE; VICTORIA UNIV. COLLEGE, WELLINGTON.

This University, an examining body, was founded in 1870. Its constitution, defined by the N.Z. Univ. Act 1908 as amended in 1912, 1914, and 1915, vests the Government of the Univ. in a Senate of 24 members (Fellows), assisted, as regards schemes of study, etc., by a Board of Studies representing the College Professorial Boards. Of the Fellows, 4 are nominated by the Governor, and 20 elected, 8 by the College Governing Bodies, 4 by their teaching staffs, and 8 by graduates. The Chancellor and Vice-Chancellor are elected by the Senate; the former (or, in his absence, the latter) presides at meetings of the Senate. There are no University buildings: the offices are at Wellington. An annual grant of £4000 is received from Govt.

MATRICULATION. Candidates must pass in 5 subjects, including English, Maths., and one language. A candidate who does not pass in Latin or Greek must pass in Physics or Chemistry or Home Science or Physiology, or Botany or Agriculture. Not more than two of these sciences can be taken; in the syllabus prominence is given to their practical aspect. The examn. is held in Dec. Special provision is made for exemption of persons not under 25 years of age and students from other Univs.

TERMS. A student presenting himself for a Univ. examn. for which the keeping of terms is required must have passed the College examn. in the subjects he offers at the corresponding stage. The terms are: Autumn (March-May), Winter (June-Aug.), and Spring (Sept.-Oct. or Nov.). The subjects in which terms must be kept are: all those of the B.A., B.Sc., B.Sc. in H.Sc., M.B., Ch.B., B.D.S., B.Agr.Sc., B.For.Sc., B.Archit.Sc., and LL.B. degree courses; of the 1st and 2nd Divisions of the B.Com. course; of the Engineering Entrance examn.

Any student who is on the books of an affiliated College, and who has passed its annual examn., is deemed to have kept the terms of the year if he has attended the prescribed courses, *or*, being resident more than 10 miles from College or engaged in acquiring a profession or trade or earning a livelihood, has been thereby prevented from attending, *or* objects on grounds of religious scruples to such attendance.

DEGREE COURSES: 3 yrs.—B.A., B.Sc., B.Mus., B.Agr.Sc. (including practical work on farm), B.For.Sc.; 4 yrs.—B.Sc. in Home Science, B.Archit. Sc. (including 18 mos.' practical work), LL.B., B.E. (Mech., Elec., Civ., Mining, Metall., including from 9 to 18 mos. in shops, mines, or surveying), B.Com., B.Vet.Sc.; 5 yrs.—B.D.S.; 6 yrs.—M.B., Ch.B., B.Med.Sc.

HIGHER DEGREES. M.A., M.Sc., LL.M., M.Com., M.S.; Ph.D., Litt.D., D.Sc., LL.D., M.D., D.D.S., D.Mus. For the Mastership examn. and thesis are required. The Doctorate may be taken by a Bachelor of 5 yrs.' (in Med. 3 yrs.') standing who offers suitable original work and, if in Arts, Sc., or Law, has already obtained the Mastership or equivalent degree, or, if in Med. or Music, passes a prescribed examn.

DIPLOMAS. D.P.H. (9 mos.' course); Journalism, Education, Social Science, Banking, Insurance. *Certificate* of Proficiency in Dental Surgery; Shipping Officers' *Certificate*.

PROFESSIONAL AND TECHNICAL SCHOOLS. *Law* at all the Affiliated Colls., the chief school being that of Victoria; *Medical* and *Dental* and *Home Science* at Otago; *Engineering* (Civil, Electrical, and Mech.) at Canterbury; *Mining* and *Metallurgical Engineering* at Otago; *Commerce* and *Music* mainly at Auckland and Canterbury; *Agric.* at Auckland and Wellington and a recognized (but not affiliated) Coll. at Lincoln; *Forestry* at Auckland and Canterbury; *Architecture* at Auckland.

"AD EUNDEM" RECOGNITION. Courses completed, or partially completed, at any British chartered or other approved Univ. are accepted *ad eundem*.

SCHOLARSHIPS FOR GRADUATES. In almost every subject of the B.A. or B.Sc. syllabus and in Law, Medicine, Dentistry, and Engineering—£70; Travelling Scholps. in Arts, Science, French, Law—£200 (2 yrs.) each, in Engin. and Med.—£150 each. A National Research Scholarship (£100) is offered annually for each of the 4 Colleges for research in Science or Economics. Gold medals are granted for scientific and humanistic research.

Two first-class return passages between Australia and England are offered yearly by the Orient Co. and P. & O. Co. for grads. of the Univ. proceeding to Europe to continue their studies. The Union S.S. Co. supplements this by a similar concession between N.Z. and Australia. One passage between N.Z. and England is offered by the N.Z. Shipping Co., one by the Shaw, Savill & Albion Co., and one by the Commonwealth and Dominion Line.

ADULT EDUCATION. Classes are conducted under the control of the Council of each College through an Executive Committee on which the Council and the W.E.A. are represented. The Government granted £4216, of which £300 was allotted to each College for W.E.A. and extension classes.

PUBLICATIONS. *Calendar* (Oct.), 2s. 6d.; *Minutes of Prodgs. of Senate*, free; *Examn. Papers*, 6d. or 1s. a set; *Reports of Examrs.* (in England and N.Z.), free.

THE YEAR 1925. The Chancellor gave £2000 to establish Research scholarships in Agriculture. *Legislative changes* are imminent as a result of amendment of the University Act, which will embody some recommendations of the Royal Commission, 1925. *Visitors* from universities in other countries: Sir Ernest Rutherford from Cambridge and J. P. Lotsy from Holland. *Degrees conferred*: M.D., 3; D.D.S., 1; M.A., 67; M.Sc., 16; LL.M., 15; M.Com., 3; B.A., 186; B.Sc., 41; LL.B., 29; B.Com., 8; B.E., 15; B.H.Science, 5; B.Agr., 4; M.B., Ch.B., 69; B.D.S., 11; Mus.B., 1.

THE ROYAL COMMISSION, 1925

The Royal Commission which has made investigations into the question of University education in New Zealand in its Report recommends drastic changes, including the establishment of a reformed Federal system with greater autonomy for constituent colleges. The Commission states that the New Zealand University offers unrivalled facilities for the taking of degrees, but that it is less successful in the provision of a University education. The Report condemns the dominant place given to examinations, and urges the encouragement of whole-time study. Other recommendations include :

(1) The substitution of a School Leaving Certificate Examination for the Matriculation Examination.

(2) A definite policy for the establishment of special schools and for preventing duplication ; and in particular the establishment in the North Island of a strong University School of Agriculture.

(3) Provision for the training of Secondary teachers within the University.

(4) A higher standard of entrance for the legal profession.

(5) Bursaries for selected students undertaking professional courses at distant University centres.

(6) The encouragement of Research.

(7) Promotion of corporate life among the students by means of a Students' Representative Council and of College Hostels.

(8) Development of extra-mural work.

(9) Establishment of Degrees in Theology.

The Minister of Education has approved the main recommendations.

The Royal Commission, which was appointed early in the year, had two members ; Sir Harry Reichel, Principal of the University College of North Wales, and Mr. Frank Tate, Director of Education in the State of Victoria.

H. R. R.

UNIVERSITY OF OTAGO, DUNEDIN

VISITOR—H.E. THE GOVERNOR-GENERAL.
CHANCELLOR—T. K. SIDEY, B.A., LL.B., M.P.
VICE-CHANCELLOR—W. J. MORRELL, M.A., Oxford.
REGISTRAR—H. CHAPMAN, B.A.

PROFESSORS, LECTURERS, ETC.

Accountancy
Reid, G. W., B.Com. Lectr.
3 Tutors.

Accountancy Law [Lectr.
Paterson, J. M., M.A., LL.B.

Anatomy
Gowland, W. P., M.D., B.S. Lond., F.R.C.S. Eng. Prof.
Cairney, J., M.B., Ch.B. Lectr.
Denny-Brown, D. E., M.B., Ch.B. Asst. Lectr.

Biology
Benham, W. B., M.A. Ox., D.Sc. Lond., F.R.S. Prof.
Fyfe, Marion L., B.Sc. Asst.

Botany
Holloway, J. E., D.Sc. Lectr.

Chemistry
Inglis, J. K. H., M.A., B.Sc., D.Sc. Edin., F.I.C. Prof.
Carter, C. L., M.Sc., A.I.C. Lectr.

Classics
Adams, T. D., M.A. Prof.
Turnbull, Mary I., M.A. Asst.

Dentistry
Pickerill, H. P., C.B.E., M.D., M.D.S., L.D.S. Eng. Prof.
Bell, R. C., D.D.S. Prof. (Clin. D.).
Siedeberg, Emily H., B.Sc., M.D., Ch.B. (Anæsthetics) Lectr.

Economics
Fisher, Allan G. B., Ph.D. Lond., B.A. Prof.

Education [Prof.
Lawson, R., M.A., Litt.D. Melb.

English Lang. and Lit.
Ramsay, H., M.A. St. And. Prof.
Clement, Bertha, M.A. Asst.

Ethnology
Skinner, H. D., Dip.Anth.Camb., B.A. Lectr.

Geology and Mineralogy
Benson, W. N., B.A. Camb., D.Sc. Syd., F.G.S. Prof.
Turner, F. J., M.Sc. Asst.

Hebrew
Cumming, J., M.A. Edin., B.D. Lond., D.D. Melb. Lectr.

History [Prof.
Elder, J. R., M.A., D.Litt. Aberd.

History, Constitutional
Lang, J., M.A., LL.B. Lectr.

Home Science
Strong, Ann G., B.Sc. Columbia Prof. (Domestic Arts).
Storms, Lillian B., Ph.D. Columbia Lectr.
McGill, Gladys, B.S. Columbia Lectr.
Gloy, Olga H. M. Asst.
Bowbyes, A. M., Dip.H.Sc. Asst.
Finlayson, Anna Teacher

Law [Lectr.
Stephens, A. C., LL.B. (Contracts)
Neill, A. G. (Crim. Law) Lectr.
Adams, H. S., M.A., LL.B. (Evidence) Lectr.
Hay, W. G., LL.M. (Jurispr.) ,,
Cook, H. L., LL.B. (Property) ,,

Anderson, P. S., B.A., LL.B. Lectr.
Cook, H. L., LL.B. Lectr.
Barrowclough, H. E., LL.B. (Proc.) Lectr.
Callan, J. B., B.A., LL.B. (Torts) Lectr.

Mathematics, Pure and Applied
Bell, R. J. T., M.A., D.Sc. Glas. Prof.
Bell, Christina S., B.A. Asst.

Metallurgy and Assaying
..... Prof.

Mining
Park, J., M.A.I.M.E., M.I.M.M., F.G.S. Prof.

Modern Languages
Thompson, G. E., Litt.D. Prof.
Barron, Vida M., M.A. Asst.

Philosophy, Ment. and Moral
Dunlop, F. W., Ph.D. Jena, M.A. Prof.

Physics
Jack, R., M.A., D.Sc. Glas., Ph.D. Gött. Prof.
..... Lectr.
Blackie, Agnes R., M.Sc. Asst.

Physiology
Malcolm, J., M.D. Edin. Prof.
Bell, Muriel E., M.B., Ch.B. Asst.
Whyte, Marion K. B., M.B., Ch.B. Lectr. to Home Sc. Students.

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

Anæsthetics [Tutor.
Marshall, A. McP., M.B., Ch.B.

Bacteriology and Pub. Health
Hercus, C. E., D.S.O., O.B.E., M.D., B.D.S., D.P.H. Prof.
Cameron, Gladys C. M., M.Sc. Lectr.

Clin. Med. and Clin. Surg.
The Hon. Staff of the Dunedin Hospl. Lectrs.

Clin. Med. and Therap.
Fitchett, F. W. B., M.D., C.M. Edin. Prof.
Moore, S. A., B.A., M.D. Lectr.
Murray, C. S., M.B., Ch.B. Asst. Lectr.
Moody, A. S., M.B., Ch.B. Asst. Lectr.

Diseases of Children
Williams, E. H., M.B., Ch.B., M.R.C.S. Eng. Lectr.

Ear, Nose, and Throat
Hall, A. J., M.B., Ch.B., M.R.C.S. Eng., L.R.C.P. Lond. Lectr.

Gynæcology
North, C., M.B., Ch.B., M.R.C.S., L.R.C.P. Lond.
Tutor, Asst. Lectr. on Clin. G.

Medicine
Carmalt-Jones, D. W., M.A., D.M. Ox., F.R.C.P. Lond. Prof.
..... Tutor.

Mental Diseases
Gribben, St. L. H., M.D. Lectr.

Midwifery and Gynæc.
Riley, F. R., F.R.C.S. Eng., L.R.C.P. Lond. Lectr.
Ritchie, R. I., M.B., Ch.B., M.R.C.S. Eng., L.R.C.P. Lond. Tutor.

Ophthalmology
Ferguson, Sir Henry L., C.M.G., M.A., M.D. Dub., F.R.C.S.I., L.K.Q.C.P.I. Prof.

Asst. Lectrs. in Clin. O.:
Bathgate, Winifrede I., M.B., Ch.B.
Carswell, W. E., M.B., Ch.B., F.R.C.S.
Ross, K., M.A., M.B., C.M., D.P.H.
Cottrell, A. J., M.A., M.Sc., M.B., Ch.B.

Pathology
Drennan, A. M., M.B., Ch.B., F.R.C.P. Edin. Prof.
D'Ath, E. F., M.B., Ch.B. Asst.

Surgery

Bell, F. Gordon, M.B. Edin., F.R.C.S. Prof.

Lectrs. on Clin. S. :

Newlands, W., M.B., Ch.B. Edin., F.R.C.S. Edin., M.A., B.Sc.

O'Neill, E. J., C.M.G., D.S.O., M.B., Ch.B., M.R.C.S., L.R.C.P. Lond.

Batchelor, F. S., F.R.C.S.

Asst. Lectr. on Clin. S :

Lindon, E. H. L., M.B., Ch.B.

Tutors :

White, J. R., M.B., F.R.C.S. Eng.

Jenkins, J. A., M.B., Ch.M., F.R.C.S. Eng.

Fulton, R. A. H., M.B., Ch.B., F.R.C.S. Eng.

Adult Education

11 Lecturers to W.E.A. Classes. Secy.—G. McCracken.

GENERAL INFORMATION (v. also p. 476)

Founded by Ordinance of the Provincial Council in 1869 with power to grant degrees in Art, Medicine, and Law, the Univ. was opened in 1871. The Law School originated in 1873, the Medical in 1874, the School of Mines in 1878, the Dental School in 1907, the Accountancy Lectures and the Home Science Dept. in 1911. Between 1869 and 1877 the Univ. received grants of land exceeding 220,000 acres. It is entirely unconnected with any religious denomination except that the right of nomination to certain Chairs endowed by the Presbyterian Church rests with the Board of Church Property, subject to the approval of the Synod. It receives annual Government grants of approximately £10,000.

By an agreement effected in 1874 the Univ. agreed to hold in abeyance its power of granting degrees, and to become affiliated to the Univ. of N.Z.

CLASS FEES. In separate subjects—in Arts generally, £3 : 10s. for complete course ; Science, £5 : 5s. ; Law from £1 : 4s. to £3 : 10s. ; Commerce, £1 : 4s. to £4 : 4s. ; Medicine, all subjects aggregate (5 years), about £163, exclusive of Univ. fees, £45 : 3s., and Hospl. fees ; Dentistry (4 years), £140, exclusive of Univ. fees, £24 ; Mining (4 years), £112 ; Home Science (4 years), £106.

LIBRARY, 21,000 vols. ; also the Hocken collection of pamphlets and MSS. bearing on the History of N.Z. MUSEUMS : Biol., Ethnog., Geol., Anat., Path. LABORATORIES : Phys., Chem., Physiol., Bact., Path.

FACULTIES. Arts and Science, Medicine, Dentistry, Mining, Law, Commerce, and Home Science.

COURSES : for degrees in all the Faculties ; D.P.H. ; Certif. in Dent. Surg. ; Associateship of Otago School of Mines (A.O.S.M.), 4 yrs. ; Diploma of Mining, Metallurgy, Geology, or Land and Mine Surveyor, 2 yrs. ; Associateship in Home Science, 4 or 3 yrs.

RESEARCH SCHOLARSHIPS, ETC. Edmond Industrial (Chemical) Research, £210, tenable 2 yrs. ; Smeaton Research in Experimental Science, £60 for first year and £210 for second. The first is open to any person domiciled in N.Z., the second to graduates of Otago. Ross (Knox College), £150, 2 yrs. ; Sir R. Stout (Economics), £50 ; and Anna P. Stout (Economics and History and Home Science—women) ; all open to graduates of Otago. OTHER RESEARCH FUNDS : Roberts, Deans, and Barnett endowments, £2000 each for research in med. and surg.

HOSTELS. Presbyterian for men and women; Anglican for men; Home Science Students'. Cost of board and lodging, 23s. to 37s. 6d. a week.

UNIV. EXTENSION. Since 1916 classes in connexion with the W.E.A. in Dunedin and Invercargill have met with very great success.

THE YEAR 1925–26. *Benefactions*: Alumnæ Association of Home Science School, £1100 to provide additional hostel accommodation; Anonymous, £1000 to increase salary of Lectr. in Physics; Dunedin Savings Bank, £750 Dental Equipment and £1000 Museum Extension; Mrs. M. J. Massey, £1000 Cancer Research; T. K. Sidey, £1000 Dental School. A new Dental School (cost £41,000) was opened on June 11, 1926. A new Medical School was planned to be opened in 1927. *Interchange of Teachers*: H. D. Skinner, Lecturer in Anthropology, was awarded a Rockefeller Fellowship to permit of his conducting further research in America. J. W. Hinton, formerly Lectr. in Physics, was appointed Prof. of Physics at Colombo. *Students* (1926): Total, 1103 (including 337 women); graduate students, 55 (w. 17); undergrads., in Arts 306 (w. 153), Science 43 (w. 7), Mining 21, Law 73, Agric. 3, Home Sc. 93 (w.), Nursing 5 (w.), Med. 196 (w. 24), Dent. 106 (w. 4), Comm. 63 (w. 4). Non-matriculated, in Arts 39 (w. 3), Mining 4, Law 4, Massage 13 (w.), Comm. 65 (w. 3). *Degrees obtained*: in Arts and Science 57, Medicine 72, Dent. 12, Home Science 5.

CANTERBURY COLLEGE, CHRISTCHURCH

VISITOR—THE MINISTER OF EDUCATION.
CHAIRMAN OF BOARD OF GOVERNORS—H. D. ACLAND, B.A.
RECTOR—Prof. C. CHILTON, M.A., D.Sc., etc.
REGISTRAR—L. A. STRINGER.

PROFESSORS, LECTURERS, ETC.

Accounting, etc.
Morrison, J., F.I.A.N.Z. Lectr.
Smith, W. A., A.I.A.N.Z. Asst. Lectr.

Biology
Chilton, C., M.B., C.M. Edin., Hon. LL.D. Aberd., M.A., D.Sc., F.L.S. Prof.
Herriott, Eliz. M., M.A. Asst. Lectr.
Murray, Flora B., M.A. Asst. Lectr.

Chemistry
Denham, H. G., M.A., M.Sc., D.Sc. Liverpool, Ph.D. Heidelberg Prof.
Packer, J., M.Sc. Asst. Lectr.

Classics
..... Prof.
Broadhead, H. D., Litt.D. N.Z., B.A. Camb. and N.Z. Asst. Lectr.

Economics
Condliffe, J. B., M.A. Prof.
Tocker, A. H., M.A. Asst. Lectr.

Education, v. also Philos.
Shelley, J., M.A. Camb. (Dean Fac. Soc. Sc.) Prof.
Purchase, J. E., M.A. Lectr.

Engineering
Campbell, R. A., B.Sc. (Eng.), A.M.I.C.E. Prof. (Civ. E.).
Morrison, A. F. Lectr. & Demr.
Bamford, P. G., B.E. Demr.
Powell, P. H., M.Sc. Manc., M.Eng. Liv., M.I.E.E. Prof. (Elec. E.) (Dean Fac. Eng.).
Robinson, W. F., F.R.G.S. (Surveying, etc.) Lectr.
Steele, S., B.Sc.Eng. Prof. (Mech. E.).
Calvert, G. G., A.M.I.C.E. Demr. (Civ. E.).
Pollard, T. R. Demr. (El. E.).
Grundy, R. H., Ph.D., B.Eng. Liverpool Demr.

English
Wall, A., M.A. Lond., B.A. Camb. (Dean Fac. Arts) Prof.
Cane, T. W., M.A. Asst. Lectr.

Forestry and Botany
Foweraker, C. E., M.A. Lectr.
Hutchinson, F. E., B.Sc.F. Montana Lectr. in Forest Utilization.

French and German
Blunt, T. G. R., M.A. Ox. Prof.
White, J. F. D., B.A., B.Sc. N.Z. (French) Asst. Lectr.

Geology and Geography [Prof.
Speight, R., M.A., M.Sc., F.G.S.

History
Hight, J., M.A., Litt.D. (Dean Fac. Law and Com.) Prof.
Candy, Alice, M.A. Asst. Lectr.

Journalism [Asst. Lectr.
Henderson, A. G., B.A.

Law
Rowe, T. W., M.A., LL.B. Lectr.
Cuthbert, R. A., B.A., LL.B. (Indust. and Comml. L.) Asst. Lectr.
Hanna, H. H., LL.B. Asst. Lectr.
Taylor, A. S., B.A., LL.M. Asst. Lectr. (Property, etc.).
Gresson, K. M. Asst. Lectr. (Property, etc.).

Mathematics and Nat. Philos.
Weatherburn, C. E., M.A. Camb. and Melb., D.Sc. Syd. Prof.
Darwin, L. J., M.A. Adel. Asst. Lectr.

Music [Lectr.
Bradshaw, J. C., Mus.D. Manc., F.R.C.O., L.R.A.M., A.R.C.M.

Philosophy, Mental and Moral
Salmond, C. F., M.A. Prof.
Beeby, C. E., M.A. Asst. in Educn. and in P.

Physics
Farr, C. C., D.Sc. Adel. (Dean Fac. Sc.) Prof.
Macleod, D. B., M.A., D.Sc. Demr.

Adult Education

Of the Tutors for W.E.A. Classes 4 are on staff of College.

GENERAL INFORMATION (v. also p. 476)

Created by Provincial Ordinance, 1873, and affiliated to the Univ. of N.Z., 1874. Present value of Govt. endowments—£597,005, including £272,572 for the High Schools, School of Art, Museum, and Public Library controlled by the Board of Govrs. Annual Govt. subsidies and grants (1924), £37,000, including £12,264 (College proper, £4324) for *Engineering*, the National School of Engin. in N.Z. The *Rector* is the academic head of the College and the permanent Chairman of the Professorial Board. LABORATORIES: Biol., Chem., Engin., Phys.

DEGREE COURSES in Arts, Science, Mus., Com., and Engin., and Certif. or Diploma courses in Engin. (3 yrs.), Com. (2 yrs.), Journalism, Education, Forestry, and Social Science. Evening courses in Mech. and Elec. Engin. and Com.

CLASS FEES. Per session in each subject in Arts or Science, 4 gs.; Laboratory Research, 6 gs.; Law and Commerce subjects, 1 to 2 gs.

RESIDENCE. Hostels for men (80) and women (35) students.

SCHOLARSHIPS include one of £50 for research in Science, open to graduates, renewable up to 3 yrs.; one of £150 p.a. for 2 yrs. plus £38 for travelling, tenable at Royal Holloway Coll., England; one of £150 in Engineering, open to B.E., tenable outside N.Z.; one (Hartley) for women graduates, offered every third year, £300 p.a. for 3 yrs. tenable ordinarily at Oxford, Cambridge, or London.

PUBLICATIONS. *Calendar* in March. Annual Statement of the Chairman in June. *College Review*, 2 issues a year, subscription 4s. *Annual Report* (*Trans.*) *of Coll. Engineering Soc.*, 2s. 6d.

THE YEAR 1925. *Benefactions*: Lissie Rathbone bequest, £3000 for entrance scholarships; Mrs. J. P. Gabbatt, £3000 for Hartley scholarship for women graduates; Chamber of Commerce, £100 to enable bulletins in connexion with financial and other problems to be issued by the Dept. of Economics. *Students*: Full-time, 315, including 72 women; teachers and training college students, 351 (w. 130); government and local body employees, 19 (w. 1); employees of private firms, 370 (w. 18); total, 1099 (w. 254). Graduate students, 71 (w. 27); preparing for first degree, in Arts or Science 434 (w. 144), in Agr. 4, in Med. 4, in Law 78 (w. 1), in Music 4 (w. 2), in Commerce 42 (w. 4), in Engin. 108; for diplomas in Educn. 16 (w. 8), in Journalism 8 (w. 5), in Social Science 6 (w. 1). Resident in hostels, 102 (w. 30). Engineering students numbered 275 in all, including 126 matriculated and 149 evening and extra. Extra-mural work, 22 classes, 908 students enrolled, average attendance 509. *Degrees obtained*: M.A., 13 (w. 7); B.A., 46 (w. 21); M.Sc., 1; B.Sc., 10 (w. 2); B.Com., 1; LL.M., 1; LL.B., 5; B.Agr., 3.

AUCKLAND UNIVERSITY COLLEGE

VISITOR—THE MINISTER OF EDUCATION.

PRESIDENT OF COUNCIL—Hon. G. FOWLDS, C.B.E.

REGISTRAR—M. R. O'SHEA, B.Com.

PROFESSORS, LECTURERS, ETC.

Accounting, etc.

Seaman, A. M., F.I.A.N.Z. Lectr.
Shove, H. W., B.Com. Asst. Lectr.

Agriculture

Riddet, Wm., B.Sc. (Agr.) Glas., N.D.A., N.D.D. Prof.

Architecture

Knight, C. R., B.Arch., M.A. Liv., A.R.I.B.A. Prof.
Crookes, S. I. Lectr.
Sladdin, T. A., F.R.I.B.A. Lectr.
Proctor, R. Lectr. (Art).

Biology

Sperrin-Johnson, J. C., M.A., M.Sc., M.B., B.Ch. N.U.I., Litt.D., F.Z.S. Prof.
McGregor, W. R. Lectr.-Demr.

Botany

Lancaster, T. L., M.Sc. Asst. Lectr.

Chemistry

Worley, F. P., D.Sc. Lond., M.A., M.Sc , D.I.C., F.C.S. Prof.
Bowell, A. H., F.C.S. Lectr.-Demr.
Short, W. F., M.Sc. Manc., A.I.C., F.C.S. Lectr.-Demr.

Classics [Prof.

Paterson, A. C., M.A. Edin. & Ox.
Macintosh, J., M.A. Aberd. Asst. Lectr.

Dental Mechanics

Craddock, F. M. Lectr.

Economics

..... Prof.

Education

Fitt, A. B., Ph.D. Leip., M.A. Prof.
Cousins, H. G., M.A. Lectr.

Engineering

Lamb, S. E., B.Sc. Lond., A.R.C.S. Eng., A.M.I.M.E. (Applied Mechanics, etc.) Lectr.
Dawson, C. Lectr. (Elec. E., etc.).
Harkness, D. E. Lectr. (Civil).
McLaren, E. J. R. Demr. & Asst. Lectr.
1 Workshop Instructor.

English

Egerton, C. W., M.A. Dub. Prof.
Ardern, P. S., B.A. Ox., M.A. Asst. Lectr.

Forestry

Corbin, H. H., B.Sc. Lond., Edin., and Adel. Prof.
McGregor, W. R. Asst. Lectr.

Geology [Lectr.

Bartrum, J. A., M.Sc., A.O.S.M.

History and Economics

Grossmann, J. P., M.A. Prof.

Journalism

Mulgan, A. E. Lectr.

Law

Algie, R. M., LL.M. Prof.
Fotheringham, A., B.A., LL.B. Camb. Asst. Lectr.
Munro, L. K., LL.M. Asst. Lectr.
Hogben, J. M., LL.B. Asst. Lectr.

Mathematics

Segar, H. W., M.A. Camb. Prof.

Mental and Moral Philosophy

Anderson, W., M.A. Glas. Prof.

Modern Languages

Walker, M., M.A., B.Com. Prof.
Miller, Dora L., M.A., Cert. Assn. Phon. Internat. (Paris) Asst. Lectr.

Music
Thomas, W. E., Mus.D. Ox. Prof.

Physics
Burbidge, P. W., B.A. Camb., M.Sc. Prof.
Salt, G. McB., M.Sc. Lectr. & Demr.
Munro, G. H., M.Sc. ,, ,,

University Extension

Of 19 Tutors assisting the Director appointed by the W.E.A. (L. A. Mander, M.A. Adel.), 5 are members of the College staff. Asst. Tutor Organizer: Richmond, N. M.

GENERAL INFORMATION (v. also p. 476)

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. It receives an annual grant of £11,500.

Of the 14 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, and 3 by the Auckland members of the General Assembly. Legislation was passed in 1923 permitting of the appointment of a Principal to the College.

COURSES are provided for the degrees of the Univ. in Arts, Science (including B.Sc. in Archit. and in Forestry), Law, Music, Commerce, Agric., and for the Associateship of the College in Commerce (2 yrs.' course) and in Engineering 3 yrs.').

CLASS FEES. Arts subjects, usually £3 to £5. Science, £5 to £8. Law, £1 : 10s. to £3 per subject.

SCHOLARSHIPS FOR GRADUATES. One for research in Science, £100 p.a. for years.

PUBLICATION. *Calendar* (Feb.).

THE YEAR 1926. *Benefactions*: For the library, £380; Building Fund, £499; Sir James Gunson, £1300 for scholarship in Agric.; estate of late Lissie Rathbone, £3000 for a scholarship; Sanders Memorial Scholarship, £2179. *New Chair* of Economics (hitherto combined with History). "*Sabbatical*" *leave* for one year was granted to two senior members of staff (Sperrin-Johnson and Lamb). *Students*: Full-time: graduate students, 16 (including 12 women); preparing for a first degree, in Arts or Pure Sc. 123 (w. 79), Med. and Dent. 10 (w. 1), Law and Commerce 13 (w. 5), Music 2 (w.), Archit. 14; other full-time students, 7 (w. 2) in Arts and Pure Sc. Resident in college or hostel, 36 (w. 13). Part-time: graduates, 64 (w. 16); preparing for a first degree in Arts or Pure Sc. 398 (w. 155), Med. 1, Law and Commerce 301 (w. 10), Music 3 (w. 2), Forestry and Agric. 41, Engineering 1, Archit. 17. Pre-matriculation students, 46 (w. 3). Exempt from attending lectures, 125 (w. 21). *Degrees obtained*: B.A., 57 (w. 30); B.Sc., 11 (w. 1); LL.B., 5; B.Com., 4; Dip.Ed., 2; Dip.Jour., 2; Dip.Social Sc., 1; M.A., 17 (w. 6); M.Sc., 3; LL.M., 6; M.Com., 1.

VICTORIA UNIVERSITY COLLEGE, WELLINGTON

VISITOR—THE MINISTER OF EDUCATION.
CHAIRMAN OF COUNCIL—R. McCALLUM.
REGISTRAR—G. G. S. ROBISON, M.A.
LIBRARIAN—B. H. WARD, B.A.

PROFESSORS, LECTURERS, ETC.

Agriculture
Peren, G. S., B.S.A. Tor. Prof.

Biology
Kirk, H. B., M.A. Prof.
Pigott, Ellen, M.A. Asst. & Demr.
Maskell, F. G., B.Sc. Asst. & Demr.

Chemistry
Robertson, P. W., M.A. Ox., Ph.D. Leip., M.Sc. Prof.
Monro, A. D., M.Sc. Asst. & Demr.*
Richardson, G. M. Asst. & Demr.

Classics [Prof.
Brown, J. R., M.A. Ox. & St. And.
Alexander, W., M.A., LL.B. Asst.

Economics [Prof.
Murphy, B. E., M.A., B.Com., LL.B. (E. Hist. & Geog.)
Williams, D. O., M.A. Asst.

Education
.....

English Language & Lit. [Prof.
Mackenzie, H., M.A. St. And.
Tomlinson, H. B., M.A. Asst.

Geology
Cotton, C. A., D.Sc. Prof.

History
Wilson, F. P., M.A. Prof.

Law, Roman, etc. [Prof.
Adamson, J., M.A., LL.B. Edin.
Cornish, H. H., M.A., LL.B. Asst.

Law, English and N.Z. [Prof.
Garrow, J. M. E., B.A., LL.B.
Watson, G. G. G., M.A., LL.B. Asst.
Cousins, A. M., LL.M. Asst.
McKay, Georgina Asst.

Mathematics
Sommerville, D. M. Y., M.A., D.Sc. St. And. Prof.
Miles, F. F., M.A. Asst. & Instr.

Modern Languages
Boyd-Wilson, E. J., B.A. Camb., M.A., B.Sc. Prof.
D'Ery, Mlle. L. Asst.

Philosophy, Mental and Moral
Hunter, T. A., M.A., M.Sc. Prof.
Sutherland, I. L. G., M.A. N.Z., M.A., Ph.D. Ox. Asst. & Demr.

Physics [Prof.
Florance, D. C. H., M.A., M.Sc.
Marwick, Thora, M.Sc. Asst. & Demr.

University Extension

Of the Tutors who conduct one-year classes under joint committee of W.E.A. and College, 3 are members of College staff. Director, T. A. Hunter, M.A., M.Sc.

* Exchanged posts for a year with J. Sword of Glasgow Univ.

GENERAL INFORMATION (v. also p. 476)

Established by Act of the N.Z. Legislature, 1897, and affiliated to the Univ. of N.Z., 1899. Endowed by Govt. 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. Annual grants about £14,000.

Full DEGREE COURSES are provided in Arts, Science, Law, Com., and Agric., and the earlier stages in other Faculties.

CLASS FEES range between 2 and 4 guineas per annum for each subject.

RESEARCH SCHOLARSHIPS. J. Joseph, £60 for original work; Mrs. S. A. Rhodes' Fellowship (£400) or Scholarship (£125-£250) for women students of Home Science, tenable for 2 years. Farmers' Union Scholarships (£100) for research bearing on Agriculture.

HOSTEL for 41 women students conducted (on definitely Christian lines) by W.S. Hostel Society.

PUBLICATIONS. *Calendar* (Feb.); Students' Magazine published towards end of each term.

THE YEAR 1925–26

BENEFACTION. Books for Library valued at £350, by Sir Robert Stout.

STUDENTS. Total, 727 (including 217 women); graduate students, 69 (w. 25); preparing for a first degree in Arts or Pure Science 374 (w. 158), Med. 7 (w. 2), Law 180 (w. 5), Engin. 10, Commerce 27 (w. 1), Agric. 8, Archit. 2; Occasional students, 50 (w. 26). Extra-mural, 196 (w. 50).

DEGREES OBTAINED: B.A., 46 (w. 27); M.A., 22 (w. 10); B.Sc., 13 (w. 3); M.Sc., 7; LL.B., 15; LL.M., 4; B.Com., 2; M.Com., 2; Diplomas of Education, 4.

UNIVERSITIES OF THE UNION OF SOUTH AFRICA

UNIVERSITY OF SOUTH AFRICA, PRETORIA (formerly the Univ. of the Cape of Good Hope), with 6 CONSTITUENT COLLEGES.

UNIVERSITY OF STELLENBOSCH (formerly Victoria College, Stellenbosch).

UNIVERSITY OF CAPE TOWN (formerly South African College, Cape Town).

UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG (formerly S. African School of Mines and Technology, and, later, University College, Johannesburg).

HISTORICAL SUMMARY (for which the Bureau is indebted to Professor Ritchie of Cape Town). The history of higher education in S. Africa covers but a comparatively short period of time. It may be said to have had its beginnings when, in 1829, the S. African College (now incorporated in the Univ. of Cape Town) was founded, as a proprietary institution, by a number of progressive citizens of Cape Town, assisted by subscribers from various parts of the country. This institution was, at its inception and for a long time afterwards, not much more than a higher-class school, but it had within it the possibilities of growth and started with very high aims. It had a very chequered history for some time, and was on more than one occasion in danger of extinction, but it gradually acquired a stronger position on ceasing to be a proprietary institution and receiving support from the public funds. For 20 years it remained the only educational establishment in S. Africa which aspired to anything beyond the range of elementary education, but in 1849 a rival College (the Diocesan) was started under the ægis of the Episcopalian Church at Rondebosch, a suburb of Cape Town. A few years later, in 1855, a somewhat similar College, St. Andrew's, was founded in Grahamstown, in the eastern part of the Cape Colony. Under the Governorship of Sir George Grey there was founded, in 1855, the Grey College at Bloemfontein in the Orange Free State, the first attempt at higher education beyond the borders of the then Cape Colony. None of these Colleges was well equipped, and most of the work done by them was school work rather than Univ. work, but they gradually acquired a growing influence and formed centres at which development was only a question of time. A very strong impetus in the direction of higher education was given in 1858 by the establishment of a Board of Examiners in Literature and Science. This Board had in view in the first instance the testing by means of examination of the competency of candidates for the Civil Service and public offices, but

it soon extended its scope and started examinations on more distinctively Univ. lines, corresponding roughly to Matricn., B.A., and M.A. The competition between the existing Colleges caused by these examns. had undoubtedly a strong influence on the growth of these Colleges and the greater attention paid to subjects beyond the mere school range. This Board continued to exist until 1873, when a successful attempt was made to institute a Univ. for S. Africa. The Univ. of the Cape of Good Hope, which was then founded, continued to exist until the beginning of 1918, when it was transformed into the Univ. of S. Africa, with its administrative seat at Pretoria. This Univ. was modelled on the lines of the London Univ., as then existing, as a purely examining body. It was governed by a Council, half of whose members were nominated by the Government, half elected by the members of Convocation. It had no constitutional connexion with the Colleges which prepared students for its examns., but the members of the Council who were elected by Convocation tended gradually to be almost entirely members of the teaching staffs of the various Colleges. In this indirect fashion the Colleges had a considerable influence on the development of the Univ. and the extension of the range and scope of its examns. Almost at the same time as the founding of the Univ. of the Cape of Good Hope there was passed by the Cape Parliament a Higher Education Act, which gave definite salary grants to the professors at recognized Colleges. This Act, together with the new impulse given to higher education by the new Univ., had a very marked influence on the development of the Colleges, which now began to increase in staff and numbers of students. The new College of Stellenbosch (afterwards the Victoria College and now the Univ. of Stellenbosch) was founded in 1874, and grew very rapidly, until it was a formidable rival of the older College at Cape Town. Other Colleges were founded also at Somerset East (Gill College) and Port Elizabeth (Grey Institute), but these had only a very short term of life. At a considerably later period, as S. Africa grew in population and wealth, other Colleges sprang into existence. A College for women (the Huguenot College) was founded at Wellington in 1898. 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 was founded at Johannesburg an Institute, designed in the first instance for instruction in mining but afterwards developed into a College for higher education generally, and 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. (now Sir) Otto Beit, and Sir Julius Wernher. In consequence of these gifts, various attempts were made by the Government to solve

the knotty question of reconciling claims of the existing Colleges with the institution of one or more teaching Univs. A parliamentary committee deliberated on the subject in 1913, and a Commission was appointed in the same year and, after taking evidence, issued its report in 1914. This Commission proposed two Univs., one consisting of a federation of the S. African College and the Victoria College, the other of a federation of the remaining Colleges (Rhodes College being allowed the choice of joining whichever federation it pleased), but the proposal led to no practical result, chiefly owing to the objection on the part of the two oldest and strongest colleges, at Cape Town and Stellenbosch, to the loss of their independence. The problem was at length solved in 1916 by giving charters to both the S. African College and the Victoria College, and by the reincorporation of the old Univ. of the Cape of Good Hope as a federal Univ. embracing all the other Colleges under the name of the Univ. of S. Africa.

The three Acts passed by the Union of S. Africa in 1916 were to the following effect:

I. The Univ. of the Cape of Good Hope became the Univ. of South Africa, with its administrative seat at Pretoria.

II. The South African College became the Univ. of Cape Town, with which is incorporated the S. African College. Its seat is to be upon the Groote Schuur estate on the eastern slopes of Table Mountain.

III. The Victoria College, Stellenbosch, became the Univ. of Stellenbosch, with its seat in the division of Stellenbosch in the Province of the Cape of Good Hope.

The Faculties of the Univ. of Stellenbosch are specified as—Arts, Science, Education, Agric., Law, Music; of the Univ. of Cape Town as—Arts, Science, Medicine, Law, Engineering, Education; of the Univ. of South Africa the Faculties are not defined, but permission is given to each of the constituent Colleges to establish such faculties or depts. as it may deem fit; provided that it shall not, without the consent of the Govr.-General, apply towards the maintenance of a faculty or dept. not established at the commencement of this Act any money granted to the College from public funds. A schedule is appended to the Act stating that professional examns. will be conducted in Law and Jurisprudence, in Civil Service Law, and in the Theory of Land Surveying.

In 1921 Parliament passed a further Act, which has the effect of incorporating, with effect from March 1, 1922, as "The University of the Witwatersrand, Johannesburg," the University College, Johannesburg (formerly the S. African School of Mines and Technology, and one of the constituent colleges of the University of S. Africa). Its Faculties are defined as Arts, Science, Medicine, Law, Engineering, Commerce.

Each of the four Univs. is governed by Council, Senate, and Convocation. The Senate of the Univ. of South Africa consists of the Professors and Lecturers of the constituent Colleges who are heads of such departments as are recognized by the University Council; the Senates of the Univs. of Stellenbosch, the Witwatersrand, and Cape Town consist in each case of the Principal, the Vice-Chancellor, two

additional members of the Council appointed for a prescribed period, and the Professors.

CONFERENCE. 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 four 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 other matters of common interest. The address of the Secretary (who is also Registrar, Univ. of Cape Town) is P.O. Box 594, Cape Town.

Representatives of the Univs. and Univ. Colleges in South Africa met for the first time in conference in Cape Town in Dec. 1925 to discuss matters of common interest and to promote co-operation and mutual consultation.

The JOINT MATRICULATION BOARD (Pretoria) consists of representatives of the four Univs., the Provincial and Union Departments of Education and the Secondary Schools (public and private) of the four Provinces. Its function is to control and conduct the Matricn. Examn. of the four Univs., and to deal with all applications for exemption therefrom. There are two alternative sets of regulations—the interim and the new.* Under the interim rules a candidate must take (1) English or Dutch, (2) Latin or French or German, (3) Maths., (4) Greek or Hist., (5) Physics or Chem. or Phys. Sci. or Bot. or Zool. or Hygiene or Agric. Sci., (6) Engl. or Dutch or French or Ger. or Gk. or Hist. or Portuguese or Hebrew or Native lang. or Geog. The new grouping of subjects is : (1) English, Dutch ; (2) Maths. ; (3) Latin, Greek, French, German ; (4) Physics and Chem., Physics, Chem., Bot. and Zool., Bot., Zool., Geol., Hygiene, Agric. Sci. A. ; (5) Hist., Geog., English, Dutch, Hebrew, addl. subject from 3 or 4 ; (6) Agric. Sci. B., Practical Maths., Mechanics, Bookkeeping and Comml. Arith., Shorthand and Typewriting, Drawing, Geom. Drawing, Domestic Sc., Music, addl. lang., addl. subject from 5. Under the new regns., if 6 subjects are taken, 1 must be selected from each group ; if only 5 subjects are taken, 3 must be on the higher grade, 1 of which must be the subject from group (1), 1 a subject from group (2) or (3), and 1 from any other except (6). The 5 subjects must be selected from the groups 1 to 5 (inclusive) in such a way that not more than one of these groups is omitted. School-leaving certificates are also issued by the Board under both sets of regns., the syllabuses and examn. papers being the same as for the matricn. examn. with a wider choice of subjects.

Examinations exempting (i.) *wholly, or* (ii.) *subject for subject, from the matriculation examination* of the South African Univs. : (i.) Final degree examns. of univs. recognized by the Joint Board, St. Andrews' L.L.A., Teachers' 1st Class Certificate (S. Africa), Technische Hoogeschool of Delft Diploma examn., including Latin, French, or German, and, subject

* Revision in progress.

to certain conditions, Transvaal Secondary School Certificate (in or after 1921), Cape Province Senior Certificate (in or after 1923).

(ii.) Provided that candidates have passed, with at least 4 subjects chosen in accordance with the regulations for a matricn. certificate of the Board, an entrance examn. of any univ. recognized by the Board, senior certificate of the Univ. of the Cape of Good Hope or School-leaving certificate of the Board, Second Class Teachers' certificate (Transvaal and Natal Province), Eindexamen in Holland of Gymnasium or Hogere Burgerschool, Diploma in Switzerland of " École Supérieure de Jeunes Filles," Abiturienten-examen or Maturitäts Prüfung in Germany or Switzerland at a gymnasium, Hoofdakte-examen in Holland, one of the examns. numbered in Appendix XX. as 7 (*a*), 8 (*a*), 9 (*b*), 10 (*b*), 13 (*b*), 14 (Higher), or, *with credit* in each case, examns. 7, 8 (*b*), 9, 10, 13, 13 (*a*), 14. Dynamics of the Scottish Universities preliminary examn. and Mechanics of the Senior or School-leaving Certificate (S. Africa) are accepted in lieu of a matricn. science subject.

Candidates over the age of 25 who desire to proceed to a degree course and are not eligible for exemption under the ordinary regulations, may, under certain conditions, be specially exempted from Matricn. on the recommendation of the Univ. concerned.

The JOINT COMMITTEE FOR PROFESSIONAL EXAMNS. (Address—P.O. Box 392, Pretoria), consisting of 2 representatives of each of the 4 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) Law Certificate Examn., (2) Civil Service (Lower and Higher) Law Examns., (3) Examns. in Theory of Land Surveying, and (4) Final 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.

A NATIONAL UNION OF SOUTH AFRICAN STUDENTS was formed in 1924. President, L. Marquard, Grey College School, Bloemfontein; Secy., C. J. O'Kennedy, Secondary School, Riebeek West, C.P. A party of 150 university students visited Europe in Dec. 1925.

TERMS. The academic year is usually divided into 4 terms, beginning in Feb. or March and ending Nov. or Dec.

UNIVERSITY OF CAPE TOWN

WITH WHICH IS INCORPORATED THE

SOUTH AFRICAN COLLEGE

VISITOR—THE GOVERNOR-GENERAL.

CHANCELLOR—THE PRINCE OF WALES.

VICE-CHANCELLOR—Principal Sir CARRUTHERS BEATTIE, D.Sc., F.R.S.E.

PRESIDENT OF CONVOCATION—Advocate R. W. CLOSE, K.C., B.A., LL.B., M.L.A.

CHAIRMAN OF COUNCIL—J. M. RUSSELL, M.A., B.D., LL.D

REGISTRAR—W. G. R. MURRAY, M.A.

PROFESSORS, LECTURERS, ETC.

Accounting and Business Method

Galbraith, H. G., B.A. Camb., C.A. Edin. Prof.

African Life and Languages

Barnard, T. T., B.A. Ox., Ph.D. Camb.
Prof. of *Social Anthropology*

Beach, D. M., B.A. Harv., Ph.D. Lond. Sr. Lectr. in Phonetics.

Goodwin, A. J. H., B.A. Camb. Sr. Lectr. (Soc. Anthropology).

Bleek, Miss D. F. Hon. Reader.

Anatomy

Drennan, M. R., M.A., M.B., Ch.B. Edin. Prof.

Wolff, R., B.Sc. Cape, M.R.C.S., L.R.C.P., L.D.S. Asst.

Becker, L. van R., M.D., F.R.C.S.E. Asst.

Gordon, W. L., O.B.E., M.D., F.R.C.S. Edin. Lectr.

Dry, T. J., B.A. Demr.

Scher, S., B.A. Demr.

Slome, D., B.A. Demr.

Bacteriology

Campbell, W., M.B., B.Sc. (P.H.) Edin. Prof.

McCullough, Miss N., B.A., M.B., Ch.B. Asst.

Bio-Chemistry [Prof.

Edie, E. S., M.A., D.Sc. Edin.

Bosman, L. P., B.A. Cape, Ph.D. Edin. Lectr.

Botany

Compton, R. H., M.A. Camb. Prof. and Dir. of National Bot. Gardens.

Adamson, R. S., M.A., B.Sc. Edin., M.A. Camb. Bolus Prof.

Stephens, Miss E. L., B.A., F.L.S. Sr. Lectr.

Levyns, Mrs. J. E. P., B.A. Lectr.

Bolus, Mrs. F., B.A. Curator of Bolus Herbarium.

McCullough, Miss E. E., B.Sc. Demr.

Chemistry

Tietz, H., M.A. Cape, Ph.D. Berl. (Organic) Prof.

Thomas, J. Smeath, D.Sc. Liv. Prof. (Inorganic C.).

Newbery, E., D.Sc. Manc., F.I.C. (Physical) Prof.

Pugh, W., B.Sc. Lond. Lectr.

Vogel, J. C., M.Sc. South Africa Lectr.
Ferguson, W. L., B.Sc. Demr.
Partridge, F. C., M.Sc. Demr.

Classics
Ritchie, W., M.A. Aberd., M.A.Ox. Prof. (Latin and Class. Philol.).
le Roux, T., M.A., Litt.D. Amst. Prof. (Gk.).
Rollo, W., M.A. Glas., Litt.D. Leiden Sr. Lectr.
Farrington, B., M.A. N.U.I. ,, ,,

Commerce [Prof.
Plant, Arnold, B.Com. Lond.

Economics
Leslie, R., M.A. Edin., Dean of Fac. of Commerce Prof.
..... Sr. Lectr.

Education
Clarke, F., M.A. Ox. Prof.
Scrimgeour, A. C. S., M.A. Edin. (Method) Prof.

Sr. Lectrs. :
Jamieson, J. N., M.A. St. And.
Malherbe, E. G., B.A. Cape, Ph.D.
Freund, Miss M.

Lectrs. :
Burger, J. F., M.A., Ph.D.
De Marillac, Miss D.
Malan, Miss A. M., B.A.

Electrotechnics [Prof.
Bohle, H., M.V.D.E., M.I.E.E.
Campbell, D., B.Sc. Sr. Lectr.
Lief, F. L., B.Sc. Asst.

Engineering, Civil
Snape, A. E., M.Sc. Manc., A.M.I.C.E., F.R.San.I. Prof.
Stewart, G. S., A.M.I.C.E. Sr. Lectr.
Gilmore, J. A., B.Sc., M.A. Demr.

Engineering, Mechanical [Prof.
McMillan, D., A.R.T.C., A.M.I.M.E.
Weaver, W. G., A.M.I.M.E. Sr. Lectr.

Brooks, J. J., A.R.C.S. Lectr.
Sacks, S. Asst.

English [Prof. (E. Lit.).
Clark, J., M.A., LL.D. St. And.
Mackie, W. S., M.A. Aberd., B.A. Ox. Prof. (E. Lang.).
Sewell, W. A., B.A. Leeds Sr. Lectr.

Ethics and Politics
Malan, G. H. T., M.A. Cape, D.Phil. Glas. Prof.

Fine Art
Wheatley, J. Prof.
5 Assts.

French
Nauta, R. D., O.A. Prof.
Jacot, Miss V., M.A. Asst.

Geology, v. Mineralogy

German
Prinz, J., Ph.D. Munich Prof.
Du Toit, M. L., M.A., Ph.D. Lectr.

Hebrew
Bender, A. P., M.A. Camb. Prof.

History
Walker, E. A., M.A. Ox. Prof.
Mandelbrote, H., M.A., B.A. Ox. Sr. Lectr.

Law [Prof.
Wille, G., B.A., LL.B. Camb.
Wylie, J. K., M.A., LL.B., D.Litt. Edin., LL.B. Lond. Prof. (Rom. L.).
Emmett, E., M.A., LL.B. Manc. Prof.
Clouts, P. M., LL.B. Camb., B.A. Cape Lectr.
De Villiers, J. E., B.A., B.C.L. Ox., B.A. Cape Lectr.
Howes, R. B., M.A., LL.D. Dub., LL.B. Hon. Lectr.
Thompson, C. N., M.A. Cape, LL.B. Camb. Lectr.

Mathematics, Pure
Crawford, L., M.A. Camb., D.Sc. Glas. Prof.
Skewes, S., B.Sc., M.A. Sr. Lectr.
Pagan, Miss G. M., M.A. Lectr.

Mathematics, Applied
Brown, A., M.A. Camb., M.A., B.Sc. Edin. Prof.
v. d. Lingen, J. S., B.A., Ph.D. Johns Hopkins Sr. Lectr.

Mineralogy and Geology
Young, A., M.A., D.Sc. Edin. Prof.
Walker, A. R. E., B.Sc. Lond., A.R.C.S. Lond. Sr. Lectr.

Music
Bell, W. H., F.R.A.M. Prof.

Sr. Lectrs.:
Bell, Mrs. W. H., L.R.A.M.; Bonner, Miss E., L.R.A.M., A.R.C.M.; Curling, H. B.; Fincken, Miss E., A.R.A.M.; Haasdyk, P. W.; Lardner, Mrs. D. F., L.R.A.M., A.R.C.M.; Marx, E.; Rainier, Miss E. F. D., L.R.A.M.; Spear, Miss R., A.R.A.M.; Taylor, C.

Lectrs.:
Greathead, Miss L. B., A.R.A.M.; Isaacson, Miss L.; Leffler, Miss W., L.R.A.M.; Tobias, I., A.R.A.M.
19 Assts.

Nederlands en Afrikaans
du Toit, P. J., M.A. Cape, Ph.D. Ghent Prof. (Lang.).
Botha, M. C., M.A. Prof. (Lit.).
van der Merwe, I. W., M.A. Lectr.
Bosman, D. B., M.A. Cape, Ph.D. Groningen Lectr.

Philosophy, v. also Ethics [Prof.
Reyburn, H., M.A., D.Phil. Glas.
Eales, W. C., B.A. Cape Sr. Lectr.
Taylor, J. G., M.A. Sr. Lectr.
Thompson, Miss E. M., B.A. Lectr.

Physics
Ogg, A., M.A., B.Sc. Aberd., Ph.D. Gött. Prof.
Schonland, B. F. J., O.B.E., B.A. Camb. and Cape Sr. Lectr.
Grindley, E. N., M.Sc. Bristol Lectr.
Gordon, C., B.Sc. Demr.
Malan, D. J., B.Sc. Demr.

Physiology
Jolly, W. A., M.B., Ch.B., D.Sc. Edin. Prof.
Zwarenstein, H. J. Asst.

Politics, v. Ethics

Zoology
Hogben, L., M.A. Camb., D.Sc. Lond. Prof.
von Bonde, C., M.A., Ph.D. Sr. Lectr.
Swart, D. B., M.A. Asst.

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

Anæsthetics
Forbes, A. Gordon, M.B., Ch.B. Edin. Clin. Teacher.
Daniell, G. W. Bampfylde, M.R.C.S. Lectr.
Muir, R. M., M.B., Ch.B. Edin. Clin. Teacher.
Berelowitz, H., M.B., Ch.B. Clin. Teacher.

Dermatology
Smith, Hugh, M.D. Lond. Lectr.

Diseases of Children
..... Lectr.

Ear, Nose, and Throat
Luckhoff, J., M.D. Edin. Lectr.

Infectious Diseases [Lectr.
Cooney, W. P., L.R.C.P.I., L.R.C.S.I., L.M., D.P.H.

Med. Jurisprudence
Wicht, W. F., M.D. Dub. Lectr.

Medicine
Falconer, A. W., C.B.E., M.D. Aberd., M.R.C.P. Prof.

Medicine, Clinical [Lectr.
Marais, D. P., M.D., F.R.C.S.
Forman, F., M.B., Ch.B. Edin. Tutor.
Silberbauer, S. F., M.D. Lectr.

Medicine, Psychological [Lectr.
Swift, E. W. D., M.B. Lond.
Kooy, F. H., M.R.C.S., L.R.C.P. Lectr.

Obstetrics and Gynæcology
Crichton, E. C., B.A., M.B., B.A.O., B.Ch. Dub. Prof.

Obstetrics, Clinical
Simpson Wells, A., M.D. Glas., F.R.C.S.E. Lectr.
Charnock, F. S., M.B., Ch.B. Manc. Tutor.
Sharp, C. W. C. Tutor.

Ophthalmology
Wood, D. J., M.B. Edin. Lectr.

Pathology
Ryrie, B. J., M.B. Prof.
Fuller, T. A., M.B., Ch.B. Edin. Asst.
Donnolly, F. A., M.B., Ch.B. Junior Asst.

Pharmacology [Prof.
Gunn, J. W. C., M.B., Ch.B. Edin.
Epstein, D., M.B., Ch.B. Junior Asst.

Public Health [Lectr.
Higgins, T. S., M.D., B.Sc., D.P.H.

Surgery
Saint, C. F. M., C.B.E., M.D., M.S. Durh., F.R.C.S. Prof.

Surgery, Clinical
Elliott, C. C., M.D., M.R.C.S. Lectr.
Fuller, E. B., M.B., F.R.C.S.E. Lectr.
McLachlan, A. R., F.R.C.S., L.R.C.P. Lectr.
Sandes, T. L., M.B., B.Ch. Dub. Clin. Tutor.

Vaccination
..... Lectr.

Venereal Diseases
..... Lectr.

GENERAL INFORMATION (v. also p. 489)

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 Mr. Otto Beit, who added £50,000 to a lapsed bequest by Mr. Alfred Beit. The S. African College, out of which the University grew, opened in 1829 as a private venture, became a public institution in 1837. In 1895 classes were opened in mining engineering. In 1900 the matriculation classes were transferred to the College school and the College confined itself to University teaching. In 1902 £40,000 was collected from past students and others, and courses for medical students and civil, mechanical, and electrical engineers were begun. Provision was made in 1910 for post-graduate courses for the training of teachers, in 1917 for the third year of medical study, and in 1918 for a complete medical course. In 1921 Schools of Commerce and of Music were established. Early in 1921 a special appeal for funds was concluded; the amount obtained was about £280,000, including a sum of £50,000 for the Jameson Memorial Hall.

A site for the University has been provided by Government at Groote Schuur, a suburb of Cape Town. Pending the erection of buildings there, those formerly occupied by the Univ. of the Cape of Good Hope have been rented.

LIBRARY, 30,000 vols. Access to S.A. Public Library, 100,000 vols., specially well equipped in Bot. and Zool. Depts. Also Bolus Bot. Library and (for students of Teaching) the Library of the Educn. Dept. The Bolus HERBARIUM includes Guthrie Collection of Cape Flora. The S.A. MUSEUM of Nat. Science adjoins the Univ. grounds. MARINE BIOL. LABORATORY at St. James'.

FACULTIES. Arts, Commerce, Science, Engineering, Law, Medicine, Education, and Music.

DEGREE COURSES. B.A., 3 yrs.; B.Sc. (in Pure Sc.), 3 yrs.; B.Com., 3

yrs.; LL.B., 5 yrs.; B.Sc. (in Applied Sc.), 4 yrs.; B.Mus., 4 yrs.; M.B., Ch.B., 6 yrs. Higher degrees: M.A., 1 yr.; M.Sc., 1 yr.; M.Com., 1 yr.; B.Ed., 2 yrs. after B.A. 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 4 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. after 2 yrs.' attendance; the LL.D. is open to LL.B. or LL.M.

OTHER COURSES. For Teachers' Certificate.—Secondary Higher, Secondary Lower, Primary Higher; Univ. Diploma in Commerce, in Architecture, in Music, in Fine Art, in Speech Training (elocution); Univ. post-graduate diploma in public health; Law Certif., Land Surveying, Civil Service Law examn., Dentistry (preliminary subjects), and for students of Agric. and Theol. proposing to graduate in those subjects elsewhere.

RECOGNITION OF AND BY OTHER INSTITUTIONS. Attendance in Stellenbosch and the constituent Colls. of the Univ. of S. Africa is accepted under certain conditions as part of the attendance qualifying for degrees. Attendance on classes in Physics, Chem., Bot., and Zool. is accepted by Aberd., Bris., Durh., Edin., Glas., Liv., Manc., Dub., R.C.P. Lond., R.C.S. Eng.; so also are examns. in the Faculty of Arts on the special courses in these subjects (except by Dub.). Attendance on courses in Anat. and Physiol. is accepted by Aberd., Durh., Edin., and Glas., R.C.P. Lond., and R.C.S. Eng.; examns. in the Faculty of Arts in these subjects are accepted by Aberd. (v. also pp. 293, 326). The Dentistry course is recognized by the R.C.S. Eng., R.C.P.S. Edin., and Edin. Dental School; the Hygiene course by the Conjoint Boards of Eng., Ire., Edin., and Glas.

FEES. For tuition, including registration, excluding laboratory fees, annually: Arts or Sc., from £23 to £31; Engin., £31 to £35; Med., £38 (average); Law (LL.B.), £23 to £29, Law Certif., £11; Teaching, £15 to £27; Surv., £27; Commerce (B.Com.), £23; Architecture, £35; Fine Art, £32; Music, £25 to £40. Examn. and graduation fees, minimum: B.Ed., £10; B.A. or B.Sc. or B.Com., £11; B.Sc. Engin., £20; LL.B., £30; M.B., Ch.B., £30; Master's degree, £6; Doctor's, £13.

SCHOLARSHIPS OPEN TO GRADUATES OF THE UNIV. Jamison, Croll, Porter, George Grey, Donald Currie, Willem Hiddingh, and several others, of £150 and £200 p.a., tenable generally for 3 yrs., and awarded from time to time after the M.A. or M.Sc. examns. £150 p.a. for 2 yrs., awarded annually after the B.Sc. (Engin.) examn.; £150 for 1 yr., awarded annually after the final professional examn. for M.B., Ch.B. H. B. Webb Gift Research Scholp. of £200 p.a., tenable for three years, is available for award every three years to graduates of the University.

Travelling concessions to students are granted by the Union-Castle S.S. Coy. and (except to law students and married persons) by the Union Railways.

RESIDENCE. Hostels for 180 men and 80 women. Board and residence, £60 p.a.

PUBLICATIONS. *Calendar* (Dec.); Students' Repve. Council's *University Quarterly*; *Annals of the Bolus Herbarium*; *The History of South African College*, 1829–1918, by Prof. W. Ritchie (2 vols., Mackewhiller, Cape Town).

THE YEAR 1925

BENEFACTIONS. Sir Percival Laurence, £2000 for classical studies; Rt. Rev. Mgr. Kolbe, a valuable collection of books and paintings.

NEW BUILDINGS. Foundation stones of main buildings and medical block to be erected on the Groote Schuur estate were laid by H.R.H. Prince of Wales in May, and by H.E. the Governor-General in March respectively. The faculty of music was transferred to Strubenholm, contiguous to the new buildings and recently acquired by the Univ., which has also purchased an adjoining property (Glenara) for the administrative department.

NEW POSTS. Several Assistants in Fine Art and Architecture, and in the Faculty of Medicine.

IMPORTANT CHANGES IN REGULATIONS. The curriculum for LL.B. was extended from 4 to 5 years from matriculation; an approved Bachelor's degree in a faculty other than that of Law will in future be a pre-requisite for the LL.B. At the request of the Students' Representative Council the Univ. decided to enforce from 1926 the wearing of gowns by students at all lectures in the mornings and afternoons. Attendance at the Cape Technical College was recognized under certain conditions for admission to Univ. examns. in specified courses for the B.Com.

RESIGNATIONS. Professors: J. Boyd, German (appointed Reader at Univ. of Bristol); A. R. Radcliffe Brown, Social Anthropology (similar post at Sydney). Lecturers: W. F. Barker (Prof. of Chem. at Rhodes Univ. College); A. C. Cilliers (Lectr. in Physics at Univ. of Stellenbosch); Miss M. E. Greenlees, English (Principal, High School, Grahamstown); J. J. Jordan, Education (Principal, Afrikaans Medium School, Cape Town); A. H. E. Rogers, Elec. Engineering (Principal, Technical College, East London); Miss D. Morrison, Pharmacology (married); C. F. K. Watson, Classics (commercial business in India); R. Wolff, Anatomy (private practice).

PUBLIC LECTURES AT UNIVERSITY. Prof. Sir John Adams, who visited South Africa under the auspices of the South African Teachers' Association, and Dr. Morris Goldberg, Lecturer in Sociology in Univ. of London.

HONORARY DEGREES. H.R.H. Prince of Wales (LL.D.); Sir Robert N. Kotze (D.Sc.); Rev. Robert Laws (LL.D.).

STUDENTS. Full-time: total, 1054 (including 344 women); preparing for a first degree, in Arts 359 (w. 109), Pure Science 34 (w. 9), Medicine 230 (w. 18), Engineering 74, Law 28, Commerce 36 (w. 1,) Applied Chem. 10; research and other advanced students, 62 (w. 21); diploma (Education) students, 221 (w. 186). Residing in hostels, 302 (w. 97).

Part-time: total, 625 (w. 308); degree students (Commerce), 52 (w. 2); research students preparing for Ph.D. 8, LL.D. 1; diploma students, Law 58, Archit. 22, Commerce 12; other departments, 15 (w. 1).

DEGREES OBTAINED: B.A. 97 (w. 29), B.Sc. Pure Sc. 11 (w. 2), B.Sc.Engin. 12, LL.B. 6, M.B., Ch.B. 30 (w. 3), B.Com. 5, M.A. 15 (w. 5), M.Sc. 4, B.Ed. 5.

UNIVERSITY OF SOUTH AFRICA

(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, v. p. 491.)

CHANCELLOR—Field-Marshal H.R.H. THE DUKE OF CONNAUGHT AND STRATHEARN, K.G., K.T., K.P.

VICE-CHANCELLOR AND CHAIRMAN OF COUNCIL—Professor J. D. KESTELL.

CHAIRMAN OF THE SENATE—Professor F. POSTMA, Litt.D.

REGISTRAR—C. C. GRANT, M.B.E., M.A. (P.O. Box 392, Pretoria).

PRESIDENT OF CONVOCATION—Professor H. REININK, D.Litt.

CONSTITUENT COLLEGES

GREY UNIVERSITY COLLEGE, Bloemfontein (1855).

HUGUENOT UNIVERSITY COLLEGE, Wellington (1874).

NATAL UNIVERSITY COLLEGE, Pietermaritzburg (1909).

RHODES UNIVERSITY COLLEGE, Grahamstown (1855).

POTCHEFSTROOM UNIVERSITY COLLEGE, Potchefstroom (1922).

TRANSVAAL UNIVERSITY COLLEGE, Pretoria (1903).

FACULTIES: Arts (including Divinity and Music), Fine Arts, Education, Science, Engineering, Agriculture, Law, Commerce, Veterinary Science.

DEGREES. B.A., M.A., M.Ed., D.Litt., D.Phil.; B.D., D.D.; B.Mus., M.Mus., D.Mus.; B.Com., M.Com.; B.Econ., M.Econ.; B.Sc., M.Sc., D.Sc., B., M., and D.Sc. in Engin.; B., M., and D.Sc. in Agric.; LL.B., LL.M., LL.D.; B.V.Sc., D.V.Sc.

Courses for B.A., B.Com., B.Econ., B.Sc.—3 yrs.; B.Mus., B.A. (Fine Arts), B.Sc. Eng., B.Sc. Agr.—4 yrs.; B.V.Sc.—5 yrs.; LL.B.—3 yrs., after graduating in some faculty other than Law. *Internal* candidates for these degrees must have attended as registered matriculated students at a constituent Coll. for the prescribed periods, provided that the Senate will accept as qualifying attendance on recognized courses at any of the other South African Univs. and may accept attendance and examns. at other recognized Univs. But the minimum attendance on approved courses at the Univ. of S.A. for the Bachelor's degree in Applied Science is the final 2 yrs., and for other Bachelor's degrees one-half of the courses prescribed. *External* students must have their curricula approved by the Senate and must pass the examns. prescribed for them from year to year by the Senate in order to qualify for degrees.

The M.A., M.Sc., M.Com., M.Econ., and M.Sc. (Agric.) courses each cover 1 yr. after the Bachelor's degree; the M.Ed. 2 yrs. The M.Sc. (Engin.) may be conferred on a B.Sc. (Engin.) who has had, since graduating, 2 yrs.' practice of his profession. A thesis is required for the LL.M., M.Sc. (Agric.) or M.Sc. (Engin.).

Doctorates 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). The Master's and Doctor's degree may also be conferred *honoris causa.*

Research (Bachelor) Degrees. On proof of special qualifications in any direction a person may be exempted from the matricn. examn. and admitted to courses of special study and research with a view to graduation, the conditions being determined by Boards of Faculty subject to approval of Senate.

Diplomas in Domestic Science and Education (Lower) open to matriculated students—3 yrs.' course; in Education (Higher)—1 yr. course after graduation; (as a temporary measure) in Commerce and Public Admn.—non-matriculated students who fulfil examn. requirements for B.Com. or B.Econ.; in Bantu Studies (Lower and Higher).

SCHOLARSHIPS FOR GRADUATES: 2 or 3 of £150 to £200 p.a. for 3 yrs. awarded annually on results of M.A. and M.Sc. examns.; Webb Research Scholarship, £200, open to M.A. or M.Sc. of not more than 2 yrs.' standing, undertaking approved course of research work, renewable from year to year up to 3 yrs.

SCHOOL AND MUSIC EXAMNS. The Univ. controls and conducts a *Junior Certificate* examn. of standard 2 yrs. below matricn., and examns. for Music Certifs. and Licentiate Diplomas (for Teachers of Music and Solo Performers). The examiners in the practical music examns. are nominated by the Assoc. Board of R.A.M. and R.C.M., London.

PUBLICATION. *Calendar* (April), 2s. 6d.

THE YEAR 1925. *Degrees conferred*: B.A., 200; B.Sc., 90; M.A., 12; M.Sc., 9; M.Ed., 3; D.Phil., 1; D.Sc., 2; LL.B., 24; B.Com., 7; B.Econ., 1; M.Econ., 1; B.Sc. (Agric.), 5; B.Sc. (Eng.), 3; B.V.Sc., 10. *Matriculated Students*—Internal, 1610; External, 554. *Junior Certificate Examination*—Number of candidates, 4034. *Music Examinations*—Theory, 3816; Practical, 4032. A University Fellowship, of £250 p.a. for 2 yrs., was awarded for research work at Oxford; four Scholarships, each £150 p.a. for 3 years, for research studies at Cambridge, London, Amsterdam, and Hamburg.

GREY UNIVERSITY COLLEGE, BLOEMFONTEIN, O.F.S.

CHAIRMAN OF COUNCIL—J. S. M. RABIE, B.A. Cape.
VICE-CHAIRMAN—J. H. B. REITZ.
RECTOR—Rt. Rev. J. D. KESTELL.
REGISTRAR—R. B. SAAYMAN, B.A. Cape.

PROFESSORS, LECTURERS, ETC.

Afrikaans and German
Malherbe, D. F., B.A. Cape, Ph.D. Freiburg i. Bu. Prof.

Botany
Potts, G., B.Sc. Durh., Ph.D. Halle Prof.
Gemmell, Miss D. M., B.Sc. Demr.

Chemistry
Rindl, M., D.Ing. Charl. Prof.
Zweerts, F., Ingr. Delft Lectr.

Classics [Lectr.
Ross, J. A., M.A. Cape (Greek)
Conlin, W., M.A. Dub. (Latin) Prof.

Dutch and French
Francken, A., B.A. Cape Prof.

English
Johnson, W. S., M.A., R.U.I. Prof.

Geology
Von Bonde, W., M.A., D.Sc. Cape Town Lectr.

History, S. African
The Rector Prof.

History and Economics [Prof.
Barnard, S. P., Litt. Docts. Leyd.

Law [Lectr.
Brink, C. P., B.A., LL.B. Cape
Hœxter, O., B.A., LL.B. Cape, B.A. Camb. Lectr.

Mathematics (*Pure and Applied*)
Arndt, W. F. C., B.A. Cape, Ph.D. Gött. Prof.
Marquard, D., B.Sc. Asst.

Pedagogy
Eybers, E., M.A. Edin., Ph.D. New York Prof.

Philosophy
Forsyth, T. M., M.A., D.Phil. Edin. Prof.

Physics
Logeman, W. H., M.A. Cape Prof.
Du Plessis, A. J., B.Sc. Demr.

Zoology
Dreyer, T. F., B.A. Cape, Ph.D. Halle Prof.
Van Rooyen, J. H., B.Sc. Demr.

GENERAL INFORMATION (v. also pp. 489, 500)

Founded in 1855 by Sir George Grey, the College was reorganized in 1904, constituted a Univ. College in 1907, and incorporated by statute in 1910. It is 2 miles from Bloemfontein town. It provides *courses* for degrees in Arts, Science, and Law, and for the Teachers' Diplomas, and prelim. training for Med., Engin., Agric., and Comm.

HOSTELS for men and women within the Coll. grounds. Board and Residence, £15 per quarter. TUITION FEES: £5 per quarter (Law, £2 : 10s.).

SCHOLARSHIPS, open to residents of O.F.S. for study abroad, 4 or 5 of £150 p.a. for 3 yrs.; of these 3 are for Agric. study.

UNIV. EXTENSION lectures, chiefly by members of the staff, in Bloemfontein and other centres. PUBLICATION: *Calendar* (Dec.)

THE YEAR 1925. *Students*: Full-time: total, 266 (including 90 women);

preparing for a first degree, 195 (w. 59); advanced, 23 (w. 6); diploma (Education) students, 48 (w. 25). Part-time: total, 52 (w. 5); preparing for first degree, 25 (w. 3); advanced, 14; occasional, 13 (w. 2). *Degrees obtained*: B.A., 25 (w. 9); B.Sc., 26 (w. 11); M.A., 4; M.Sc., 1.

HUGUENOT UNIVERSITY COLLEGE, WELLINGTON, C.P.

PRESIDENT—BERTHA STONEMAN, D.Sc.

PROFESSORS AND LECTURERS

Botany
Grant, Adele L., Ph.D. Wash. Univ. Lectr.

Chemistry [Prof.
Kilroe, Miss F. C., B.Sc. Lond.

Classics [Prof. (Latin).
Sargent, Helen A., M.A. Oberl.
Fremantle, Miss I. M. E., M.A. Oberlin Lectr.

Domestic Science [Lectr.
Gregory, Elsie M., Dipl. Leeds.

Dutch [Prof.
van de Koppel, Miss L. H., M.A.

Education [Prof.
de Wet, Miss F. C., M.A. Col., B.A.

English
Snell, Florence M., M.A. Oberl., Ph.D. Yale Prof.

French and German [Lectr.
Hansen, Christine, Ph.D. Heid.

History [Prof.
Stafford, Susan, M.A. N.U.I.

Horticulture
Hebditch, Miss G. L., Dipl. in H. (Reading) Lectr.

Mathematics [Prof.
Johnson, Alta M., Ph.B. Neb.

Philosophy [Prof.
Stoneman, Bertha, D.Sc. Corn.
Robson, Grace M., B.A. Cape Lectr.

Physics [Lectr.
Ladler, Miss E. M., B.Sc. Lond.

Zoology and Physiology
..... Lectr.

GENERAL INFORMATION (v. also pp. 489, 500)

Originally a department of the Huguenot Seminary founded by Dr. Andrew Murray in 1874, the College was incorporated by Act of the Cape Legislature in 1907 as a College for Women and became a constituent College of the Univ. in 1918.

LIBRARY, over 7000 vols. HERBARIUM, over 2000 specimens. LABORATORIES, Bot., Chem., Physics, Zool., Dom. Sc., Physiol., Psych.

COURSES for B.A., B.Sc., M.A., M.Sc., and Diplomas in Education. Special courses in Horticulture and in Domestic Science.

EXPENSES. Class Fees, £20 per annum. Board at the College Hostel, £44 p.a. PUBLICATION: *Calendar* (Dec.).

THE YEAR 1925–26. *Benefaction*: £10,000 bequest of Dr. A. E. Bliss, late President of the College. A Scholarship of £300 a year was awarded to Miss E. M. Radloff, studying at Bedford College, London. *Resignations*: Miss E. M. Dorr, M.A. (returned to New York), Miss L. M. Mackenzie (now organizing Secretary of South African National Society for Child Welfare). *Students*: Full-time: total, 101 (including 19 men); graduates, 7; preparing for first degree, 73 (men 17).

NATAL UNIVERSITY COLLEGE, PIETERMARITZBURG, NATAL

CHAIRMAN OF COUNCIL—The Hon. Sir JOHN C. DOVE WILSON.

CHAIRMAN OF SENATE—Prof. BESSELAAR.

REGISTRAR—Prof. WATERHOUSE (acting) (P.O. Box 375, Maritzburg).

PROFESSORS AND LECTURERS

Art [Prof. (Fine Arts).
Oxley, O. P. J., A.R.C.A. Lond.

Auditing
Atkinson, A., B.Sc. Durh. Lectr.

Botany [Prof.
Bews, J. W., M.A., D.Sc. Edin.
Bayer, A. W., M.Sc. Lectr.

Business Management and Accounting
Oldham, O., A.C.I.S. Prof.

Chemistry
Denison, R. B., D.Sc. Leeds, M.A. Cape, Ph.D. Bres. Prof.
Mudie, A. D., M.A., B.Sc. St. And. Lectr.

Classics
Petrie, A., M.A. Aberd., B.A. Camb. Prof.

Dutch and German
Besselaar, G., M.A. Cape, D.Litt. Ghent Prof.

Education
Ferguson, J. G. W., M.A. Ox. and St. And. Prof.
Reid, A., M.A., B.Sc. Aberd. Assoc. Prof.

Engineering [Prof. of Mech. E.
Neal, J. H., A.R.C.Sc. Lond., A.M.I.C.E., A.M.I.Mech.E.
Clark, H., B.Sc.Eng. Lond., D.I.C., A.C.G.I., A.M.I.E.E. Prof. of El. E.

English and Philosophy
Waterhouse, O., M.A. Manc. and Leeds Prof.
Sweeney, G. W., B.A., LL.B. Cape Lectr.

French
Guiton, P. A., B.A. Lond. Lectr.

Geology and Geography
Sayce, R. U., M.A. Wales Lectr.

History [Prof.
Hattersley, A. F., M.A. Camb.

Law [Prof.
Burchell, F. B., M.A., LL.B. Camb.

Mathematics, v. also Physics
Roseveare, W. N., M.A. Camb. Prof.

Physics
Mesham, P., M.Sc. Liv. Prof.
Lang Brown, A., B.A. Camb. (also Lectr. in Applied Maths.) Lectr.

Zoology
Warren, E., D.Sc. Lond. Prof.

GENERAL INFORMATION (v. also pp. 489, 500)

Established by an Act of 1909, the 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. A new Science block and a women's hostel were added in 1921. Students have access to Maritzburg *Botanical Gardens* and Govt. *Museum*.

COURSES leading to the B.A., B.A. (Fine Arts), B.Com., B.Sc., M.A., M.Sc.,

etc., 1st examn. for B.Sc. in Agric. (including 1st yr.'s course for Med. students), LL.B., Natal Law Certif. and Natal Advocates' Law examn., Survey examn. (theory only). Recently Faculties of Engineering and Commerce have been instituted in Durban in co-operation with the Natal Technical College, five of the staff of which have become members of the Senate of the Natal Univ. College—four professors and one lecturer. One of the former is the Professor of Fine Arts; and a 4-yrs.' course for the B.A. (Fine Arts) is provided in Durban.

HOSTEL (" University Hall ") in grounds for women students. PUBLICATION: *Calendar* (March).

THE YEAR 1926. *Number of Students*: Full-time, preparing for first degree, in Arts and Pure Sc. 149 (women 76), Fine Arts 5 (w.), Engin. 18, Commerce 40 (w. 10); graduate students, 3 (w. 2); other full-time, 28 (w.); total full-time, 243 (w. 121). Resident in hostel, 25 (w.). Part-time, 46 (w. 2), all preparing for first degree. *Degrees obtained* (1925): B.A., 20 (w. 10); B.Sc., 7 (w. 4).

THE POTCHEFSTROOM UNIVERSITY COLLEGE, TRANSVAAL

CHAIRMAN OF COUNCIL—Rev. N. H. v. d. WALT.

RECTOR AND CHAIRMAN OF THE SENATE—Prof. POSTMA.

REGISTRAR—Rev. W. J. de KLERK.

PROFESSORS AND LECTURERS

Botany [Lectr.
Radloff, Miss M., M.Sc. Stell.

Chemistry
du Plessis, D. J., Ph.D. Bonn, M.Sc. Lectr.

Classics
Postma, F., Litt.D.
du Plessis, L. J., M.A. Cape, Ph.Cand. Amst. Lectr.

Dutch
Boshoff, S. P. E., Litt. D. Amst., M.A. Prof.
Dekker, J., M.A., Litt.D. Amst. Lectr. (Dutch and French).

English
Norenius, Miss A. C., M.A. Lectr.

German
Schulze, H. G., M.A. Lectr.

History [Lectr.
v. d. Walt, A. J. H. J., M.A.

Mathematics and Applied Maths.
van Rooy, D. J., M.A. Sr. Lectr.

Physics
van Wageningen, G., Cand. Maths. and Phys. Amst. Prof.

Pedagogy [Prof.
van Heerden, J. S., M.A. Harv.
Coetzee, J. C., M.A., M.Ed. Prof.

Philosophy
van Rooy, J. C., M.A. Prof.
Stoker, H. G., M.A., D.Phil. Lectr.

Theology
du Toit, J. D., D.D. Amst. Prof.
du Plessis, J. A., B.A. Cape. Prof.
de Wet, C. J. H., D.D. Amst. Prof.

Zoology [Lectr.
Eiselen, G. T. S., M.Sc. Witw.

GENERAL INFORMATION (v. also pp. 489, 500)

Founded in 1869 as the Literature and Science department of the Theological School of the Reformed Church of S. Africa, this institution became in April 1919 " Het Potchefstroom Universiteits Kollege voor Christelik Hoger Onderwijs," and was in 1921 admitted as a Constituent College of the Univ. of S. Africa under an Act (No. 25) of the Union.

THE YEAR 1924. *Benefactions*: Govt. grant, £7000; Municipality, £250; Reformed Church, £2000; Assoc. for Christian Higher educn., £350. *Death*: J. Kamp, Prof. of Dutch Literature. *Students*: Full-time, preparing for a first degree, 157, including 34 women; graduates, 8. Residing in college, 31. Occasional students, 3. *Degrees obtained*: B.A., 7; B.Sc., 1; M.A., 4 (2 women). Returns for 1925 not received.

RHODES UNIVERSITY COLLEGE, GRAHAMSTOWN, C.P.

CHAIRMAN OF COUNCIL—THE BISHOP OF GRAHAMSTOWN.

MASTER AND CHAIRMAN OF SENATE—Sir J. ADAMSON, M.A., D.Litt.

REGISTRAR—Major E. B. WALKER, M.B.E.

PROFESSORS, LECTURERS, ETC.

Anatomy [Lectr.
Drury, E. G. D., B.S. Lond. D.P.H. Durh., M.D. Cape.

Art
Armstrong, F. W., A.R.C.A. Prof.
Greathead, Miss M. Asst.

Botany
Smith, N. J. G., M.A., B.Sc., Ph.D. Camb. Prof.
Britten, Miss L., B.A. Cape Lectr.

Chemistry and Metallurgy
Barker, W. F., Ph.D. Liv. Prof.
Smith, J. L. B., B.A. Cape, M.Sc. Stell., Ph.D. Camb. Lectr.
Dugmore, L. M., M.Sc. Lectr.

Classics
Bowles, C. W., M.A. Camb. and Cape (Greek) Prof.
Smail, W. M., M.A. Ox. and Edin., B.A. Lond. (Latin) Prof.
Whiteley, S., M.A. Ox. Lectr.

Commerce, Accounting, Business Management, etc.
Liddell, D., M.A., B.Com. Edin. Sr. Lectr.

Dutch
Dingemans, G. F., M.A. Edin. and Cape Prof.

Economics [Lectr.
Hall, R. L., B.A. Ox. and Cape

Education
The Master Prof.
Martinius, Miss M., B.A. Cape Lectr.
Hendrikz, Miss P., B.A. Head of Practising School.
3 Instrs.

English
Kidd, A. S., M.A. Camb., Manc., and Cape Prof.
Balmforth, Miss M., B.A. Ox. & Cape Town Lectr.

French
Bodmer, H. S. Prof.

Geology
Schwarz, E. H. L., A.R.C.S. Lond., F.G.S. Prof.

German and Dutch
Weehuizen, P. B., M.O. Hol. Prof.

History
Ewing, J., M.A. Prof.
Rousseau, I. J., B.A. Ox. Lectr.

Law
McKerron, G. G., M.A., LL.B. Edin. and Cape Lectr.
Back, A. W., LL.B. Lond. Lectr.

Mathematics, Pure and Applied
Williams, D., B.Sc. Lond. and Cape Prof.
Martin, J., M.A. Camb. and Cape Lectr.
Wood, A. H., M.A. Cape Lectr.

Music
Collingwood, W., B.A. Ox., A.R.C.O. Lectr.

Philosophy
Lord, A. R., M.A. Ox. Prof.
Ramsay, C. N. M., M.A. Glas. Lectr.

Physics
Varder, R. W., M.A. Cape Prof.
Watson, S. W., B.A. Camb. and Cape Lectr.

Zoology [Prof.
Duerden, J. E., M.Sc. Cape, Ph.D. J. Hopk., A.R.C.S. Lond.
Brock, Miss G. T., M.Sc. Lectr.

GENERAL INFORMATION (v. also pp. 489, 500)

In 1902 a movement was started for the institution of university education in the Eastern Province, and in 1904 the Rhodes Trustees established for the purpose an endowment of £50,000, which, together with a donation of £5000 from the De Beers Company and local subscriptions amounting to £10,000, was applied to the development of St. Andrew's College (founded 1855). The College Department (opened in 1878) was separated from its school, and incorporated as Rhodes Univ. Coll. in 1904. In 1906 it received £25,000 under the will of Alfred Beit.

LIBRARY, 13,000 vols. LABORATORIES: Applied Maths., Bot., Chem., Geog., Geol., Phys., Zool.

COURSES. B.A., B.Sc., M.A., M.Sc., LL.B., Law Certif., Surveying, Teachers' 1st Class and Lower Secondary Certifs., 1st yr. Medical, 1st B.Sc. in Agric., 1st Mining, 1st Engin., 1st and 2nd B.Com. FEE for full degree course, £21 p.a.

COLLEGE SCHOLARSHIPS open to graduates: two of £40, one of £50.

HOSTELS for 120 men ("College" and "Botha" Houses) and 100 women ("Oriel" and "Jameson" Houses), with dining halls, etc. Board and Residence, £60 p.a. inclusive.

PUBLICATIONS. *Calendar* (Nov.); *The Rhodian* twice a year.

THE YEAR 1925. *Benefactions*: Rhodes Trustees, £1000; Municipal and Divisional Councils, Eastern Province, £2000; Southern Rhodesian Government, £500. *New Buildings*, etc.: Residence for 48 men students (cost £22,000); Café for students; additional laboratory for Geology; rock-cutting and polishing plant, power driven; complete equipments Advanced Chemistry Laboratory (24 students); Physical Chemistry Laboratory (cost £5000); Assembly Hall (cost £2500). *New Posts*: Full-time Senior Lecturer in Commerce; Prof. of History. *Interchange of Teachers*: Chairs of Botany and Chemistry were filled by apptmt. of men from Aberdeen and Cape Town;

Senr. Lectr. in Commerce came from Cape Technical College. *Students.* Full-time: total, 423 (women 198); graduate students in Arts and Pure Science 11 (w. 1), Law 5, Educn. 22 (w. 14), special 5 (w. 3); preparing for a first degree in Arts, etc. 261 (w. 123), Law 12, Survey. 17, Educn. 9 (w. 5), Comm. 22 (w. 1), Fine Art (pre-matric.) 52 (w. 48); special, 7 (w. 3). Resident in hostels, 300 (w. 126). Pursuing studies abroad and in Cambridge 6, Oxford 6, London 1, U.S.A. 1, Trinidad 2. *Degrees obtained*: B.A., 34 (w. 13); B.Sc., 21 (w. 8); M.A., 2 (w. 1); M.Sc., 5 (w. 1).

TRANSVAAL UNIVERSITY COLLEGE, PRETORIA, TRANSVAAL

CHAIRMAN OF COUNCIL—H. P. VEALE, B.A., M.B., Ch.B.

VICE-CHAIRMAN—J. E. HOLLOWAY, B.A. Cape, D.Sc. Lond.

RECTOR—Prof. N. M. HOOGENHOUT, M.A. Cape, Ph.D. Strass.

REGISTRAR—Advocate A. A. ROBERTS, B.A., LL.B. Cape and Camb.

PROFESSORS AND LECTURERS

Accountancy

Barnes, S. R., F.S.A.A. Prof.
Petyt, A. S., R.P.A. Lectr. (Auditing).

Agricultural Botany

Hector, J. M., B.Sc. Aberd. Prof.

Agricultural Chemistry

Ross, J. C., B.A. Cape, M.Sc., Ph.D. Illinois Prof.

Agricultural Engineering

van Tonder, A. J., B.A. Cape, M.Sc. Calif., A.C.G.I. Sr. Lectr.

Agronomy

Leppan, H. D., B.Sc. Tor. Prof.

Animal Husbandry

Bosman, A. M., B.Sc. Tor., Dean of the Faculty Prof.
van Rooyen, L. A., M.Sc. Cornell, B.Sc. Agr. Lectr. in Poultry.

Banking

Young, D., B.A. Lectr.

Bantu Studies

Lectrs.:
Bourquin, C. (Ethnology).
Schwellnuss, O. (Sesutho).
Dornan, S. (Social Anthropology).
Uys, C. G., M.A. (Si-Zulu).

Bio-Chemistry

Green, H. H., D.Sc. Glas. Prof.

Botany

[Prof.
Bremekamp, C. E., Ph.D. Utrecht
Elbrecht, B., B.A., M.Sc. Lectr.
Mogg, A. O. D., M.A. Camb. Lectr. in Ecology.

Business Management

Botha, P., LL.D. Amst. Lectr.

Chemistry, v. also Phys.

Malherbe, D. F. du T., M.A., Ph.D. Halle, Dean of Faculty Prof.
Schilz, W. A., M.Sc. Asst. Lectr.

Commerce, v. also Ac., Bus., Geog.

Arndt, E., B.A. Cape, M.A., Ph.D. Columbia Prof. of *Economics* and E. Hist.

Dairying
Davel, H. B., B.Sc. Iowa Prof.

Dutch and Afrikaans
Le Roux, T. H., B.A. Cape, Litt.D. Leid. Prof.
Kritzinger, M. S. B., M.A. Lectr.

Economics, v. Comm.

Education
Hoogenhout, N. M., M.A. Cape, Ph.D. Stras. Prof.
Bosman, J. C., M.A. Harv. Prof. (History and Principles of E.).

English
Wallis, J. P. R., M.A. Liv. Prof.
O'Grady, H., Litt.D. Dublin Sr. Lectr.

Entomology [Prof.
Faure, J. C., M.A., B.Sc. Corn.
Janse, A. J., D.Sc. Hon. Prof. (Systematic Ent.).

French and German
de Villiers, W. P., B.A. Cape, Ph. and Litt.D. Ghent Sr. Lectr.
Kuschke, G. H.-J., M.A. Witw. Jr. Lectr. (German).
Morgan, A., B.A. Witw. Jr. Lectr. (French).

Geography and Econ. Geog.
Plummer, F. E., B.A. Camb. Prof.
Hugo, C. F., M.A. Stell. Lectr.

Geology
De Villiers, L. C., Ph.D. Freiburg, M.E. Freiberg Prof.
Scholtz, D., M.Sc. Stell. Lectr.

Greek
Reinink, H., Litt.D. Amst., Dean of Faculty Prof.

History
Fouché, L., B.A. Cape, Ph. et Litt.D. Ghent Prof.
Agar-Hamilton, J. A., M.A. Cape, B.A., B.Litt. Ox. Sr. Lectr.

Horticulture
Powell, H. Clark, B.Sc.Calif. Prof.

Latin
Boxwell, J., M.A. Prof.

Law, v. also Pol. Sc.
Findlay, G. S., B.A., LL.B. (Roman, Roman-Dutch, and Jur.) Actg. Prof.
Reitz, R., LL.D. Amst. Lectr. (Rom. L.).
Hoal, B., B.A., LL.B. Lectr. (Crim. L.).
Dowling, W., B.A. Cape, B.C.L. Ox. Lectr. (Comp. L.).
Niemeyer, E. C., B.A. Cape and Ox. Lectr. (Agric. L.).
Retief, M., LL.B. Stell. Lectr. (Merc. L.).
Duxbury, W. S., M.A. Ox. Lectr. (Rom. D. L.).
Bresler, C. P., B.A. Cape, M.A., LL.B. Lectr. (Rom. D. L.).
Murray, J. M., B.A., LL.B. Lectr. (Rom. D. L.).
Wessels, D., B.A. Cape, LL.B. Camb. Lectr. (Pub. Int. L.).

Mathematics
du Toit, A. E., M.A. Cape Prof
Duminy, J. P., M.A. Cape B.A., B.Sc. Ox. Lectr.
de Loor, B., M.Sc., D.Phil. Amst. Jr. Lectr.

Mathematics, Applied
Sherwood, E. T. G., B.A. Cape, M.A. Camb. Prof.

Music
Connell, J., F.R.C.O. Prof.

Oriental Langs. [Prof.
Gemser, B., D.Litt., Th.Dip. Ox.

Philosophy, v. also Pol. Sc.
Hugo, T. J., B.A. Cape, Ph.D. Gron. Sr. Lectr.
Rautenbach, C. H., M.A., B.D. Jr. Lectr.

Physical Chemistry [Prof.
Tromp, F. J., B.A. Camb., D.Sc.

Physics and Applied Maths.
Gundry, P. G., Ph.D. Gött., B.Sc. Lond., A.R.C.S., Dean of Faculty of Science Prof.

Voss, V., B.A. Cape, Ph.D. Johns Hop., M.Sc. Lectr.

Physiology

Quinn, J., B.V.Sc. Lectr.

Political Science, Pub. Admn., and Const. Law

Brookes, E., M.A., D.Litt. (also Lectr. in Philos.) Prof., Dean of Fac. of Commerce and Publ. Adm.

Theology

Greyvenstein, J. H. J. A., B.A. Cape, Th.D. Utr. Prof.

Macmillan, E., M.A., B.D. Glas. Prof.

Engelbrecht, S. P., Th.D. Utr. Prof.

Veterinary Anatomy

Mettam, R. W., M.R.C.V.S. Prof.

Vet. Bacteriology

Robinson, E. M., D.M.V. Berne, M.R.C.V.S. Lectr.

Vet. Hygiene and Infectious Diseases

Du Toit, P. J., B.A. Cape, Ph.D. Zür., D.M.V. Berl. (Lectr. in *Embryol.*) Prof.

Curson, H. H., M.R.C.V.S. Lectr.

Veglia, F., D.V.M. Turin (Helminthology) Lectr.

Vet. Medicine

Viljoen, P. R., D.M.V. Berne, M.R.C.V.S. Prof.

Neser, C. P., D.Sc., M.R.C.V.S. Prof.

Vet. Pathology

de Kock, G. v. d. W., D.M.V. Berne, M.R.C.V.S. Prof.

Fourie, P. J. J., M.R.C.V.S. Lectr.

Vet. Pharmacology

Sheppard, M. W., B.A., M.R.C.V.S. Lectr.

Veterinary Science, v. Agric.

Henning, M. W., M.R.C.V.S. Prof.

Vet. Tropical Medicine

Theiler, Sir A., K.C.M.G., D.Sc. Cape, D.M.V., Ph.D. (Berne), Dean of Faculty of Vet. Sc. Prof.

Vet. Surgery and Obstetrics

Quinlan, J. B., D.M.V. Hanover, M.R.C.V.S. Prof.

Zoology

Malan, D. E., M.A. Cape, Ph.D. Zür. Prof.

Malan, D. J., M.Sc. Lectr.

Zootechnics

Bisschop, J. H., B.Sc. (Agr), B.V.Sc. Lectr.

GENERAL INFORMATION (v. also pp. 489, 500)

In 1908 University Classes in Arts, Science and Law were established at Pretoria by the Transvaal Govt., and were placed under the control of the Council of the Transvaal Univ. College at 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 reincorporated as the South African School of Mines and Technology, whilst the Pretoria section retained the name of the Transvaal Univ. College. In 1917 was instituted a Faculty of Agriculture, financial provision for which (an endowment of £100,000) had been made by the last Parliament of the Transvaal in 1910. The following Faculties have since been established: 1918, Theology; 1919, Commerce and Public Administration; 1920, Veterinary Science; Music, 1923. The original College Buildings were erected and equipped at a cost of £50,000; those of the Faculty of Agric. at a cost of £100,000; those of the Faculty of Vet. Science involved an expenditure of £150,000. A new Science block was completed at the end of 1924 at a cost of £40,000.

COURSES are provided for all Degrees and Diplomas of the Univ. in Arts,

Science, Agric., Vet. Sc., Law, Div., Music, and Commerce and Public Administration. FEE for full degree course, £17 : 5s. to £27 : 6s. p.a.

HOSTELS. 4 for men, including the Dutch and English Church Hostels, and 3 for women. Board and Residence, £60 p.a.

LIBRARY, 40,000. LABORATORIES: Bot., Chem., Entom., Geogr., Geol., Phys., Physiol., Zool., Agric. Bot., Agric. Chem., Agronomy, Vet. Anat. ASTRONOMICAL OBSERVATORY.

UNIVERSITY EXTENSION. The faculties of Agric. and Vet. Sc. co-operate with the Union Dept. of Education in connexion with the extension train service organized by it.

PUBLICATION. *Calendar* (June).

THE YEAR 1925–26. Extra-mural block for students in Law, Commerce, and Bantu studies was erected in centre of city (cost £15,000); a Women's Hostel with Domestic Science Laboratories (cost £18,000). Meeting of S.A. Assoc. for the Advancement of Science at the College during July. *New Departments*: Semitic Languages, French, Poultry, Husbandry. *Resignations*: F. W. Steck, D.M.V. Physiology, appointed to a post at Berne. *Extension Work*: Profs. and students (of Faculties of Agric. and Vet. Sc.) engaged on extension work throughout the year in connexion with the Extension trains organized by the Union Department of Education, touring South Africa. Lectures open to the public on all subjects organized by Faculty societies. *Students*: Pursuing studies abroad: 3 at Oxford, 6 at Imperial College of Tropical Agriculture, Trinidad. Full-time: total, 458 (women 144); graduate students in Arts and Pure Science 55 (w. 21), Theol. 3, Law 15; preparing for first degree, Arts, etc. 256 (w. 113), Agric. 76 (w. 3), Vet. Sc. 29 (w. 2), Applied Sc. 4; other full-time students, of Law 11 (w. 1), other faculties 7 (w. 4). Resident in hostels, 287 (w. 86). Part-time: total, 371 (w. 14); graduates, 12; preparing for first degree in Arts, etc. 95 (w. 3), Commerce 101 (w. 3), Public Admn. 67 (w. 2); Diploma students, 21 (w. 2); occasional, 75 (w. 4). Pre-matricn. students, 18 (w. 8). *Degrees obtained*: B.A., 52 (w. 12); B.Sc., 22 (w. 8); B.Com., 6; B.Econ., 1; LL.B., 1; B.Sc.Agric., 5; B.V.Sc., 10; M.A., 2; M.Sc., 1; M.Ed., 1; M.Econ., 1.

UNIVERSITY OF STELLENBOSCH

CHANCELLOR—Prof. P. J. G. DE VOS, D.Litt.

VICE-CHANCELLOR—Prof. A. MOORREES, D.Litt. (S.A. and Cape).

PRESIDENT OF CONVOCATION—Prof. S. F. N. GIE, B.A., Ph.D. Berl.

CHAIRMAN OF SENATE—Prof. W. BLOMMAERT, Litt.D. Ghent.

REGISTRAR—D. J. KRIEL, B.A.

PROFESSORS, LECTURERS, ETC.

Agriculture [Prof.

Perold, A. I., Ph.D. Halle, B.A. (Œnology and Viticulture)

Neethling, J. H., M.Sc. Corn. (A. Botany) Prof.

Reinecke, C. S. H., B.S.A. Guelph (Fruit-culture) Prof.

Brain, C. K., M.A. Ohio, D.Sc. Birm. (Entomology) Prof.

Malherbe, I. de V., Ph.D. Mün., B.A. (A. Chem.) Prof.

Reimers, J. H. W., Landb. Eng., Wageningen (Animal Husbandry) Prof.

Van der Byl, P. A., M.A., D.Sc. (Plant Path.) Prof.

Marais, J. S., Ph.D. Illinois, B.A. (Agronomy) Lectr.

Van der Merwe, Ivy M., B.Sc. Manitoba (Domestic Science) Lectr.

Swart, J. C., M.Sc.Agric. Lectr.

Botany [Prof.

Nel, G. C., B.A., Ph.D. Berl.

Duthie, Miss A. V., M.A. Lectr.

Chemistry

van der Merwe, C. D., Ph.D. Halle, B.A. Prof.

van der Riet, B. de St. J., Ph.D. Halle, M.A. Prof.

du Toit, D. F., D.Chem. Leid., M.A. Prof.

Joubert, D. B., Ph.D. M.I.T., M.Sc. Lectr.

Joubert, J. M., M.Sc., Ph.D. M.I.T. Lectr.

Classics

van Braam, P., Litt.D. Utr., M.A. (Latin) Prof.

Edgar, C. S., B.A. Ox., M.A. Edin. (Greek) Prof.

Basson, J., Ph.D. Berl., M.A. (C. and Classical Philol.) Prof.

McCulla, J., M.A. R.U.I. Lectr.

Dutch and Afrikaans

Pienaar, E. C., Litt.D. Utrecht, B.A. (Dutch) Prof.

van Niekerk, Lydia, Litt.D. Amst., B.A. (Dutch) Prof.

Smith, J. J., B.A., Barr.-at-Law (Afrikaans) Prof.

Celliers, J. F. E. (Literature) Prof.

Malherbe, F. E. J., M.A., Litt.D. (Amst.) Lectr.

Economics

Grosskopf, J. F. W., Dr. Jur. Leid., M.A. Prof.

Education [Prof.

Cillie, G. G., Ph.D. Stras., B.A.

Cruse, H. P., B.A., Litt.D. Amst. Prof. (History of E.).

Pauw, D. A. A., B.A.(Method) Prof.

Strasheim, J. J., M.A., Ph.D. Lond. Temp. Prof. in Pedagogic Psychology.

Donald, M. M., M.A. Lectr.

Hofmeyr, Miss J. I., B.A. Lectr.

Hofmeyr, Miss A. S., B.A. Lectr.
Stockenström, E. C., B.A. Lectr.

English
Notcutt, H. C., Ph.D. Lond. Prof.
Hopwood, D., B.A. Ox. Lectr.
Walpole, V., M.A. Sheff. Lectr.
Hurst, H. N., B.A. Ox. Lectr.

French
Franken, J. L. M., Litt.D. Ghent, M.A. Lectr.

Geography
Serton, P., Litt.D. Utr. Prof.

Geology
Shand, S. J., Ph.D. Münst., D.Sc. St. And. Prof.
Krige, A. V., M.Sc. Lectr.

German [Prof.
Friedlaender, E., Ph.D. Stras.
Hoge, J., Ph.D. Stras. Lectr.

Germanic Philology [Prof.
Bouman, A. C., Litt.D. Utr.

Hebrew [Ag. Lectr.
du Plessis, J., D.Litt., B.A., B.D.

History [Prof.
Blommaert, W., Litt.D. Ghent.
le Roux, Miss M., B.A. Lectr.
..... (Hist. of S. Africa) Prof.

Law [Prof.
Bodenstein, H. D. J., Barr.-at-Law, LL.D. Leid. (Roman-Dutch L.)
Malherbe, W. M. R., Barr.-at-Law, LL.D. Leid. Prof.
van Themaat, H. V. L., Dr. Jur., Dr. Jur. Pol. Leiden Lectr.

Logic and Psychology [Prof.
Wilcocks, R. W., Ph.D. Berl., B.A.

Mathematics
Mackenzie, A. H., M.A. Aberd. and Camb. Prof.
Stegmann, E. T., B.A., D.Sc. S.A. Prof.

Mathematics, Applied, and Physics
Morrison, J. T., M.A., B.Sc. Edin., F.R.S.E. Prof.
Malherbe, W. E., B.A., B.Sc. Edin. Prof.
Cilliers, C. A., Ph.D. Frankfürt, M.Sc. Stell. Lectr.
Harvey, S. C., B.A. Lectr.

Philosophy, Moral and Polit.
Brümmer, N. J., B.D. St. And., M.A. Prof.

Physiology
Battaerd, P., M.D. Leiden Prof.

Theology
Moorrees, A., Litt.D. (S.A.) Prof.
van Rooyen, E. E., Th.D. Amst., B.A. Prof.
du Plessis, J., B.A., B.D., D.Litt. Cape Prof.
Keet, B. B., Th.D. Amst., M.A. Prof.

Zoology
De Villiers, C. G. S., M.A., Ph.D. Zür. Prof.
Grobbelaar, C. S., M.A., Ph.D. Berl. Lectr.

GENERAL INFORMATION (v. also p. 489)

The Victoria College of Stellenbosch, established 1881, beginning with a single Department, that of Arts, was in 1916, partly owing to a bequest of £100,000 by the late Jan Marais, granted the status of a University by Act No. 13 of 1916. The University was formally opened on April 2, 1918.

FACULTIES. Arts, Law, Education, Science, Theology, Agriculture, and Commerce.

DEGREE COURSES. B.A. (3 yrs.), B.Sc. (3 yrs.), B.Comm. (3 yrs.), B.Sc.Agric. (4 yrs.); M.A., M.Sc., M.Sc.Agric., M.Comm. (1 yr. post-grad.); B.Educ. (2 yrs. post-grad.); LL.B. (4 yrs. or combined with B.A., 5 yrs.); D.Sc., D.Phil., D.Litt., D.Comm. (2 yrs. after Master's degree); D.Sc.Agric. (1 yr. after the M.Sc.Agric.); B.D. (3 yrs. post-grad.); D.Ed. (3 yrs. after B.Educ.).

Courses are also provided for the Secondary Teachers' Higher, Lower, and Primary Higher Certificates; also for certificates in Nature study and Commerce.

FEES. Registration, £2 : 5s. p.a. (incl. sport and fees payable to Students' Representative Council); Library, 5s. p.a. Tuition per semester for master's or bachelor's degree, £10 (B.D., £5); Doctorate, £5 p.a. Laboratory per semester, £5 (max.). Examns.: B.A., B.Sc., B.Comm., B.Educ., £10; for master's degree, £5; Doctorate, £10; LL.B., £30; B.Sc.Agric., £20. Graduation, £2. Board and Residence, £44 p.a.

LIBRARY. 30,000 vols.

PUBLICATIONS. *The Calendar*; *The Stellenbosch Student* (by Students' Repr. Council); *Annals of the University of Stellenbosch* (by Senate).

SCHOLARSHIPS FOR GRADUATES. Generally tenable for 3 years, and open to holders of M.A., M.Sc., M.Sc.Agric., B.Educ., M.Comm., B.D., and LL.B. (with B.A.): Porter, Croll, Queen Victoria, Grey, Donald Currie, Union (each £150 p.a.), Hiddingh and Ebden (£200 p.a.), Maynard (£60 p.a.).

EXTENSION WORK. Evening lectures by members of Staff once a week.

THE YEAR 1925–26. *Benefactions*: J. A. van Niekerk bequest, £45,000. *New Building*: Hostel for women students (cost £13,000). *New Department* of Bantu. Faculty of Agric. was amalgamated with Elsenburg School of Agric. *Interchange of Teachers*: Prof. Notcutt exchanged with Miss Covernton of Bedford College, London, for a year; Prof. Gie (History) resigned on apptmt. as Under-Secy. of the Union Dept. of Educn. *Students* (1925): Full-time: total, 923 (women 226); graduate students, 125 (w. 15), including 92 teachers; others preparing for teachers' certificates, 180 (w. 127); preparing for B.A. 362 (w. 61), B.Sc. 125 (w. 21), B.Sc.Agric. 109 (w. 2), LL.B. 7, B.Comm. 2. Resident in hostels, 465 (w. 182). Part-time, 61 (w. 18); occasional, 70 (w. 15). *Degrees obtained*: M.A., 12; B.A., 72 (w. 16); B.Sc., 27 (w. 4); B.Sc.Agric., 9; M.Sc., 10 (w. 2); M.Sc.Agric., 1; B.Educ., 11; LL.B., 3; B.Com., 7.

UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG, TRANSVAAL

CHANCELLOR—H.R.H. PRINCE ARTHUR OF CONNAUGHT.

VICE-CHANCELLOR—The Hon. J. H. HOFMEYR, M.A.

PRESIDENT OF CONVOCATION—Prof. J. A. WILKINSON, M.A.

CHAIRMAN OF COUNCIL—Sir WM. DALRYMPLE, K.B.E.

PRINCIPAL—Sir WM. THOMSON, M.A., B.Sc., LL.D.

REGISTRAR—H. W. J. VAN DER BRUGGE, M.A., LL.B., J.P.

PROFESSORS, LECTURERS, ETC.

Accounting [Prof.
Findlay, J., C.A. Edin., F.S.A.A. Eng., I.A., R.P.A. Trans.
Dix, F., B.Com., A.S.A.A. Eng., R.P.A. Trans. Lectr.
Harkness, A. Lectr. in *Banking*.

Actuarial Science, v. Maths.

Anatomy
Dart, R. A., M.Sc. Queensland, M.B., Ch.M. Syd. Prof.
Laing, D. G., B.Sc., M.B., Ch.B. St. And. Sr. Lectr.
Shaw, J. C. M., M.A., B.D.S. Dub. Senr. Lectr. in Dental Anat., etc.
Melle, B. G., B.A. Cape, M.A., B.M., B.Ch. Ox., F.R.C.S. Edin. Lectr. (Clinical A.).

Hon. Demrs. :
Edelstein, H. H., M.B. Edin.
Harte, J., B.A., M.B., Ch.B. Dub.

Architecture
Pearse, G. E., A.R.I.B.A. Prof.
Furner, A. S., A.R.I.B.A. Sr. Lectr.

Bantu Studies
The Prof. of English Head of Dept.
Doke, C. M., M.A. S.A., Diploma Compar. Bantu, Lond., D.Litt. Sr. Lectr.
Hoernle, Mrs. A. W., B.A. Cape Research Fellow and Lectr. in Ethnology.

Botany
Moss, C. E., M.A. Camb., D.Sc. Manc., B.Sc. Leeds Prof.
Moss, Mrs. M., M.A. Well. Lectr.
Young, Miss E., M.Sc. S.A. Jr. Lectr.

Chemistry
Wilkinson, J. A., M.A. Camb., F.C.S. Lond. Prof.
Robertson, J. B., M.A., B.Sc., Ph.D. Edin., F.I.C. Sr. Lectr.
Pelling, A. J., M.Sc. Lond., A.I.C. Lectr.

Chemistry, Organic [Prof.
Stephen, H., O.B.E., D.Sc. (formerly of Manchester Univ.)
George, E., M.Sc. S.A., A.I.C. Lectr.

Classics [Prof.
Haarhoff, T. J., B.A., B.Litt. Ox.
Wagner, A. I., B.A. Ox. and Cape Lectr.
Williams, Miss M. V., M.A. Camb., B.A. Cape Sr. Lectr.

Dutch and German
Krige, J. D. A., Ph.D. Ghent, M.A. Cape (also Lectr. in German) Prof.
Le Roux, J. J., B.A. Cape, Litt.D. Utrecht Lectr.

Economics, Econ. Hist., and Statistics, v. also Hist.
Lehfeldt, R. A., B.A. Camb., D.Sc. Lond. Prof.

Education [Prof.
Macgregor, W. R., M.A. Aberd.
van der Merwe, P. J., M.A. Lectr.

Electro-Technics
Randall, O. R., M.Sc., Ph. D. (late Birmingham Univ.) Prof.
Damant, E. L., B.Sc. Lond., M.Sc., A.M.I.E.E. Sr. Lectr.

Engineering, Mechanical
Walker, W. J., B.Sc. Eng., Ph.D. St. And., A.M.I.C.E., A.M.I.Mech.E. De Beers Prof.
Jensen, A. E., B.Sc. Lond. and S.A., A.M.I.Mech.E. Sr. Lectr.
Gimkewitz, F., M.Sc. S.A. Sr. Lectr.
Drysdale, J., A.M.I.E.S. Jr. Lectr.

Engineering, Civil
Sutton, W. G., B.A., B.Sc. Cape Prof.

English
Drennan, C. M., M.A. Camb. and Lond. Prof.
Lawrie, J. G., M.A. S.A. Lectr.

French and Romance
Maingard, L. F., M.A., D.Lit. Lond., L. en D. Paris. Prof.
Papenfus, Miss E. M., B.A., Ph.D. Lond. Jr. Lectr.

Geography
Wellington, J. H., B.A. Camb. and Lond. Prof.

Geology
Young, R. B., M.A. Glas., D.Sc. Edin. Prof.
Küpferburger, W., M.Sc. Stell. Lectr.
Janisch, Miss E. P., B.Sc. Jr. Lectr.

Hebrew [Prof.
Landau, J. L., Ph.D. Vien., M.A.

History
Macmillan, W. M., M.A. Ox. Prof.
Hodgson, Miss V. M. L., B.A. Ox. and Cape (also Lectr. in Econ. H.) Lectr.
Marais, J. S., M.A. Cape, B.A., D.Phil. Ox. Jr. Lectr.

Law
McKerron, R. G., M.A. Aberd., B.A., B.C.L. Ox. Prof.
Murray, J. C. Lectr.
Assts. :
Schreiner, O. D., B.A. Cape, M.A. Camb.
Ramsbottom, W. H., B.A. Cape, LL.B. Camb.
Coaker, N. E., B.L., LL.B. S.A.
Krige, J. D., B.A. Cape, B.A. Ox., LL.B. S.A.
Rissik, H., B.A. Cape, M.A., B.C.L. Ox.
Rissik, S. A., B.A. Ox.

Mathematics [Prof.
Dalton, J. P., M.A., D.Sc. St. And. (also Lectr. in Actuarial Sc.)
Constançon, C., Dip. Ing. Zür. Sr. Lectr.
Kops, C. W., B.A. Cape (Asst. in Actuarial Sc.) Sr. Lectr.
Kerrich, J. E., B.Sc. Jr. Lectr.

Maths., Applied [Prof.
Le May, H., M.A., B.Sc. Glas.

Metallurgy and Assaying
Stanley, G. H., A.R.S.M., F.I.C., M.I.M.E., M.I.M.M. Prof.
Millin, D. M., B.A. Cape, F.I.C. Sr. Lectr.

Mining and Surveying
Watermeyer, G. A., B.A. Cape, A.R.S.M. De Beers Prof.

Music
Kirby, P. R., M.A. Aberd., A.R.C.M. Prof.
Duggan, C. A. O. Lectr.
2 Instrs.

Philosophy [Prof.
Hoernle, R. F. A., M.A., B.Sc. Ox.
MacCrone, I. D., M.A. Cape, B.A. Ox. Lectr.

Physics

Paine, H. H., M.A. Camb., B.Sc. Lond. & Wales — Prof.
Evans, G. T. R., B.Sc. Wales — Sr. Lectr.

Jr. Lectrs. :

Gotsman, B., M.Sc. Cape
Cooper, M. A., M.Sc. S.A.

Physiology

Cluver, E. H., B.A., D.M. Ox., B.A. Cape, D.P.H. Lond. — O. Beit Prof.
Stammers, A. D., M.A. Camb., D.Sc. S.A. — Sr. Lectr.
Dowds, J. H., M.Sc. — Jr. Lectr.

Statistics, v. Economics

Zoology

Fantham, H. B., M.A. Camb., D.Sc. Lond. — Prof.
Hutchinson, G. E., B.A. Camb. — Sr. Lectr.
Paterson, Miss N. F., M.Sc. — Lectr.
Weinbrenn, Miss C., M.Sc. — Jun. Lectr.
Schuurman, Miss J. F. M., M.Sc. — Jr. Lectr.

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

Ethics, Medical

Heberden, S., M.B., Ch.B. — Lectr.

Fevers, Acute Infectious

Loeser, H. A., M.D. Zür. — Lectr.

Forensic Medicine

Levin, J. J., M.B., Ch.B. Edin. (also (C) in Surg.) — Sr. Lectr.

Gynæcology — [Prof.

Grant, W. Gordon, M.D. Aberd.
Gibson, R. W., M.B., Ch.B. Camb. (C).
Te Water, S. K., M.B., Ch.B. Edin. (C).

Medicine

Williamson, O. K., M.A., M.D. Camb., F.R.C.P. Lond. — Prof.
Bensusan, A., M.D. Brux., M.R.C.S., L.R.C.P. (C).
Watt, A. H., M.B., C.M., F.R.C.S. Edin. (C).
Bloom, A., M.B., Ch.B. Edin., D.P.H. Lond. (C).
Braun, L. I., M.R.C.P., M.D., B.S. Lond. (C).
Block, I. J., M.B., Ch.B. Edin., F.R.F.P.S. Glas., F.R.C.S. Edin. (C).
Heiman, H. L., B.A. Cape, M.D., B.S. Lond., M.R.C.P. Lond. (C).
Orenstein, A. J., M.D. Philad. — Lectr. (Tropical Dis.).
Girdwood, R. L., M.D., Ch.B. Edin. (C).
Porter, Chas., M.D., Ch.B. R.U.I., D.P.H. Camb. — Instr. (Vaccination).
Baumann, E. P., M.D., Ch.B. Edin., M.R.C.S., L.R.C.P. — Lectr. (Med. Dis. of Children).
Dunston, J. T., M.D., B.S. Lond. — Lectr. (*General Psychiatry*).
Willis, H. G., D.S.O., M.C., M.B., B.S. Lond. (C).
Back, Miss M., M.D., D.P.H. Lond. (C).
Van Coller, A. S., M.B., Ch.B. Glas. (C).
Balkin, I. J., M.B., Ch.B. Edin. — Tutor.

Obstetrics

McGibbon, J., M.B., F.R.C.P. Edin. — Prof.
Abelheim, A., M.D. Kharkoff (C).
Maxwell, W. H., M.A., M.B. Camb., M.R.C.S. Eng. (C).
Ryan, Miss R., M.B., B.Ch. R.U.I. — Tutor.

Pathology and Bacteriology

Watkins Pitchford, W., M.D. Lond., D.P.H. Ox., F.R.C.S. — Hon. Prof.

(C) = Clinical Lecturer.

Becker, J. G., M.B. Glas., D.P.H., D.T.M. Liv. Sr. Lectr.
Strachan, A. S., M.B., Ch.B. Glas. Sr. Lectr.
Porter, Annie, D.Sc. Lond. Sr. Lectr. (Parasitology).

Pharmacology [Prof.
Watt, J. M., M.B., Ch.B. Edin.
Brandwijk, Miss M. G. Jr. Lectr.

Public Health
Porter, Chas., M.D., Ch.B. R.U.I., D.P.H. Camb. Sr. Lectr.

Radiology [Lectr.
Steuart, W., M.R.C.S., L.R.C.P.
Olivier, P. J. Asst. Lectr.

Surgery, v. also Forensic
Thomson, G. Ritchie, C.M.G., M.B., C.M. Edin. Prof.
Daly, R. M., M.B., Ch.B. Durh., F.R.C.S. Edin. Senior (C).
Mursell, H. Temple, M.B., Ch.M. Edin., M.R.C.S. Eng. Hon. Senr. Lectr. in Urology.
Maisels, I., M.B., Ch.B. Edin. Hon. Lectr. in Urology.
Brebner, J. W., M.B., Ch.B. Edin. Sr. (C).
Welchman, W., M.B., B.S. Lond. F.R.C.S. (C).
Mudd, F. B., M.R.C.S., L.R.C.P. Lectr. (Anæsth.).
Gluckmann, H., M.R.C.S., L.R.C.P. Lectr. (Venereal Dis.).
Beyers, C. F., B.A. Cape, M.B., B.S. Lond., F.R.C.S. Eng. Lectr. (Surg. Appl. Anat.), Demr. (Op. Surg.) (C).

Diseases of Children:
Ross, R. A., M.B., Ch.M. Edin., F.R.C.S. Eng. Lectr.
Douglas, J. A., M.B., Ch.B. Edin. Hon. Asst. Lectr.

Ear, Nose, and Throat:
MacNab, J., M.D., C.M. Glas., F.R.C.S. Edin. Lectr.
Pink, W. L., M.B., B.S. Lond., F.R.C.S. Eng. Hon. Asst. Lectr.
Campbell, A., M.B., Ch.B., D.P.H., R.C.P.S., F.R.C.S. Edin., R.F.P.S. Glas. Hon. Asst. Lectr.
Andrews, T. F., M.C., M.B., Ch.B., F.R.C.S. Edin. Hon. Clin. Lectr.

Eye:
Brinton, A. G., F.R.C.S. Edin., L.R.C.P. Lectr.
Meyer, R. C. J., B.A. Cape, M.D., F.R.C.S. Edin., D.O. Ox. Hon. Asst. Lectr.
Baranov, M., M.D., B.S. Lond., L.R.C.P. Lond., M.R.C.S., D.O.M.S. Eng. Hon. Asst. Lectr.

Hon. Demrs. (Anæsth.):
Gordon, Mary, M.B., B.S. Durh.
Weinbrenn, B., M.B., Ch.B. Edin.
Hall, Greenwood, M.B., Ch.B. Durh.
Dauth, D. J., M.B., Ch.B. Edin. (C).
Fouche, F. P., M.B., Ch.B., M.D. Edin., F.R.C.S. Eng. Clin. Tutor.

Venereal Diseases, v. Surgery

Dentistry (v. also Anat.)

Senior Clin. Lecturers:
Foote, H. J, M.B., Ch.B., L.D.S. Edin.
Friel, G., L.D.S. Ireland.
Mitchell-Hunter, B., L.D.S. Edin., D.D.S Penn.
Percy Roberts, L.D.S., R.C.S. Eng.
Willey, E. A., L.D.S. Eng.

Clinical Lecturers:
Aronson, M. L., D.M.D. Harv.
Breyer, J. H., Tandarts, Utrecht.
Cassel, D., B.A. Cape, D.D.S. Mich.

(C) = Clinical Lecturer.

Lecturers :
Prosthetics : Berry, T. B., L.D.S., R.C.S. Eng., B.Sc. Eng., Cape.
Orthodontia : Braun, M. F., L.D.S., R.C.S. Eng., D.D.S. Penn.
Den. Dis. of Children : Smale-Adams, D., L.D.S., R.C.S. Eng.
Den. Radiology : Denhart, J. E., L.D.S., R.F.P.S. Glas., D.D.S. Mich.

GENERAL INFORMATION (v. also p. 489)

Telegraphic address—University, Johannesburg.

The TRANSVAAL TECHNICAL INSTITUTE, constituted in 1903, was opened in 1904 and took over at Johannesburg the work of the S. AFRICAN SCHOOL OF MINES, KIMBERLEY, which had been founded in 1896. In 1906 its name was changed to " TRANSVAAL UNIVERSITY COLLEGE," and in 1908 Arts and Science classes at Pretoria were placed under its control. This arrangement was terminated in 1910, when the Johannesburg part of the institution was incorporated under the name of the S. African School of Mines and Technology. Buildings, towards the cost of which the Council of Education, Witwatersrand, contributed £60,000 and Govt. £30,000, were opened in March 1909. In 1913 Commerce (Diploma) courses were established. In 1916 a Witwatersrand University Committee was formed in Johannesburg to promote the establishment of a fully equipped Univ. College financed by the State, as a step towards the formation of a University. In 1917 the School became one of the constituent colleges of the new federal Univ. of S. Africa. In the same year classes in Arts, Pure Science, and Medicine were inaugurated. In Sept. 1920 the institution became the " University College, Johannesburg." In 1921 the College was reincorporated as a University with effect from March 1, 1922. The students in 1916 and each of the following years up to 1922 numbered 77, 173, 191, 301, 635, 812, 983. This development was made possible partly by support from the public, including contributions by the Chamber of Mines (£50,000), Standard Bank of S.A., Nat. Bank of S.A., Central Mining and Investment Corporation, and De Beers Cons. Mines, Ltd. (£10,000 each), Sir Otto Beit (£8000), and many others, amounting in all, up to the end of 1922, to over £220,000. The Municipality provided a fine site (100 acres) at Milner Park, a mile from the centre of the town. Expenditure on buildings and lay-out up to Aug. 1925 amounted to £450,000. LIBRARIES : Seymour Memorial, 12,000 vols., and several departmental. MUSEUM with good Geol. collection.

FACULTIES : Arts, Sc., Comm., Engin., Law, Med.

DEGREE COURSES : B.A. or B.Sc., 3 (Hons., 4) yrs. ; M.A. or M.Sc., 1 yr. ; B.Ed., 2 yrs. post-grad. ; M.Ed. (special course and thesis after B.A. Honours or B.Ed.), B.Mus., LL.B. (post-grad.), B.Com., or B.Econ., 3 yrs. ; B.Sc. (Eng.), 4 yrs. ; B.Arch., B.D.S., 5 yrs. ; M.Arch., M.B., B.Ch., 6 yrs. An alternative course for the B.Sc. in Mining and Metallurgy provides for employment in the mines of students in their 4th year.

OTHER COURSES : for Diplomas in French, Afrikaans, German, Economics, Geography, Philosophy, Archit., Music, Bantu Studies, Public Health, Actuarial Maths. ; for Teachers' Certifs., Law Certif., Civil Service Law examn., Land Surv. FEES from 12 gs. p.a. (Civil Service Law) to £35 (M.B.).

SCHOLARSHIPS open to Graduates : Chamber of Mines, £250 ; Union, 2 of £150 each for 3 yrs. ; Ainsworth (Mod. Hist.) every 2 yrs., £150 p.a. for 2 yrs. ; H. B. Webb Research Gift, £200.

RESIDENCE. Hostels for 150 men and 35 women. Fees, £60 p.a.

UNIV. EXTENSION. Public lectures at the Univ. fortnightly; W.E.A. Discussion circle; afternoon and evening courses for teachers and others in regular employment, who may by attending them qualify for B.A. degree.

PUBLICATIONS. *Calendar*; *Students' Magazine* (S.R.C.).

THE YEAR 1925–26

BENEFACTIONS AND GRANTS. Union Govt. Grant, £64,220 for current expenditure, £25,000 for loan for building, and £550 for Engineering bursaries; Johannesburg Municipality Grant, £6000 for general purposes and £5000 for bursaries; other Reef municipalities, £950 for general purposes and £900 for bursaries; Witwatersrand Council of Education, £1000 for bursaries; £865 for general purposes.

NEW POSTS. Chairs of Law and Organic Chemistry filled. Additional lecturers in Anatomy, French, History, Mathematics, and Zoology.

REGULATIONS for Diplomas in Afrikaans, French, German, Geography, and Philosophy published.

RESIGNATIONS. J. Orr, Prof. of Mech. Engineering, to take up Directorship of Witwatersrand Tech. Inst.: H. R. Adam, Research Chemist, to take appointment as Chief Assayer on the Mines; E. L. Damant, Sr. Lect. in Electrotechnics, to take up appointment with Electricity Supply Commission.

SPECIAL DEVELOPMENT. Extension of Diploma Courses offered. Expansion of Dental School and appointment of full staff.

HONORARY DEGREE. *LL.D.*—Mr. Samuel Evans.

GRADUATED IN 1926. M.A., 3 (women 1); B.A., 48 (w. 21); M.Sc., 3 (w. 2); B.Sc., 19 (w. 8); M.B., Ch.B., 17 (w. 2); M.Sc. (Eng.), 1; B.Sc. (Eng.), 19; B.Com., 4 (w. 1); LL.B., 6.

STUDENTS. Full-time (*i.e.* attendance over 200 hours in the year): total, 1198 (women 363); graduates, 48 (w. 22); preparing for first degree in Arts or Pure Science, 481 (w. 294), Medicine 232 (w. 22), Law 17 (w. 2), Engin. 158 (w.1), Comm. 138 (w. 9); other full-time, Arts, etc. 16 (w. 11), Med. 8, Law 19 (w. 2), Engin. 62, Comm. 16. Residing in hostels, 153 (w. 25). Part-time: total, 153 (w. 42); preparing for first degree in Arts, etc. 65 (w. 18); occasional, Commerce, 39 (w. 4); others, 49 (w. 20).

COLLEGE OF AGRICULTURE, MAURITIUS

PRINCIPAL AND CHAIRMAN OF ADVISORY BOARD—The Hon. H. A. TEMPANY, D.Sc.Lond., F.I.C., F.C.S., Director of Agriculture.

REGISTRAR—M. KOENIG, A.Inst.P.

LECTURERS

Agronomy—The Principal and 2 others.

Biology and Entomology—W. H. Edwards, D.I.C., F.C.S., F.E.S., and 2 others.

Botany and Mycology—E. F. S. Shepherd, B.S.A. McGill.

Chemistry—N. Craig, M.Sc., and 2 others.

Physics—The Registrar.

Surveying and Agric. Engineering—Y. Castelain, M.Sc.

Also Lecturers in Animal Husbandry, Book-keeping, Sugar Technology, and Veterinary Science.

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 three-years' 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 January.

Minimum age for admission, 17. Evidence of general education up to matriculation standard is required.

Tuition fee for British subjects not natives of Mauritius, £20 p.a.

Students in 1926: total, 22; General Agric. 19, Agric. Chem. 2, Sugar Technology 1.

THE HEBREW UNIVERSITY, JERUSALEM

PRESIDENT—CHAIM WEIZMANN, Sc.D. Freib., D.Sc. Manc.

CHAIRMAN OF THE ACADEMIC COUNCIL—Prof. ALBERT EINSTEIN.

CHANCELLOR—Dr. JUDAH L. MAGNES, Ph.D. Heid.

TREASURER—NORMAN BENTWICH, M.A. Camb.

REGISTRAR—S. GINZBERG, L. ès L., Dipl. Phil. Sorbonne.

LIBRARIAN—HUGO BERGMANN, Ph.D. Prague.

This University (in mandated territory) was opened on April 1, 1925, by Lord Balfour, as a group of Research Institutes. It is provisionally registered under the Law of Societies of Palestine. The language of instruction is Hebrew.

LIBRARY (National and University), 136,000 vols. Includes the Goldzieher collection of books and periodicals on Arabic and Oriental Literature and the recently acquired mathematical library of the late Felix Klein of Göttingen. Publishes quarterly review *Kiryat Sefer*.

INSTITUTE OF JEWISH STUDIES (inaugurated Dec. 22, 1924). Chairman of Council—Chief Rabbi Dr. Hertz of London. Executive Officer—J. L. Magnes. Professors: J. N. Epstein, Ph.D. Berne (Talmudic Philology); J. Klaunner, Ph.D. Heid. (Modern Hebrew Lit.); S. Klein, Ph.D. (Palestine Research); seven lecturers and several research assts. Number of students in 1926: 61. Publications: Annals of the Hebrew Univ.; Jewish Studies.

SCHOOL OF ORIENTAL STUDIES. Arabic section, inaugurated March 1926. Visiting Director, J. Horovitz, Ph.D. Berlin, of Frankfurt. Three lecturers. Three junior research assts. Auditors, 16.

CHEMICAL INSTITUTE (opened in 1924). Director—Prof. A. Fodor, Ph.D. (from Halle). Assts. in Dept. of General Chem.—M. Weizmann, Docteur ès Sciences (Grenoble); M. Bobtelsky, Ph.D. Berne; in Bio-Chemistry (Colloid and Physical)—Miss R. Rivlin, D.Sc. (Utrecht); Ing. A. Reifenberg, Ph.D. (Giessen) (Berlin). 10 private and voluntary assts. Number of students, 39. Publications: Chemical Institute series.

MICROBIOLOGICAL INSTITUTE. Section of Parasitology, established 1924, under S. Adler (M.D. Leeds, D.T.M. Liverpool).

INSTITUTE OF AGRICULTURE AND NATURAL HISTORY, established 1926, in connexion with the Agric. Experiment Station founded by the Zionist Executive in 1922. Staff of the station: Directors—Prof. O. Warburg, Ph.D. (Berlin). 9 assts. In course of organization: Institutes of Hygiene and Mathematics.

PUBLICATION. *Yearbook* (in English and Hebrew).

THE YEAR 1925–26. Lectures were given in the Univ. by the following visitors: Profs. A. Frenkel of Marburg, L. Ornstein of Utrecht, E. Meyer of Berlin, I. Davidson of Jewish Theol. Seminary, N.Y. (a course), J. Horovitz of Frankfurt (a course). Public lectures were given by the staff for a fortnight, at the end of the summer term, two hours each evening.

UNIVERSITY OF MALTA

VISITOR—H.E. THE GOVERNOR OF MALTA.

PRESIDENT OF THE GENERAL COUNCIL AND RECTOR—Prof. T. AGIUS, M.A., M.D.

SECRETARY—A. F. SCIORTINO.

PROFESSORS, LECTURERS, ETC.

Anatomy and Histology
Busuttil, R., M.A., M.D. Prof.
Briffa, J., B.Sc., M.D. Asst. Prof.

Biology, v. Nat. Hist.

Chemistry
Sultana, A., M.D. Prof.
Borg, S., M.D. Demr. in Expl. Sc.

Engineering and Architecture
Galea, R. V., L.S. & A., M.L.A. (also Lectr. in Descr. Geom. and Arch. Drawing) Prof.

English Literature [Prof.
Fogarty, Owen J., B.A. N.U.I.

Italian Literature
Laurenza, V., D.Lit. Naples Prof.

Latin Literature
Martinelli, N., D.Lit. Pisa Prof.

Law
Vassallo, Most Rev. Can. E., Jur. Can. Doc. (Canon L.) Prof.
Mallia, C., B.Litt., LL.D., M.L.A. (Comml. L.) Prof.
Vassallo, E. C., M.A., LL.D. (Const. and Internat. L.) Prof.
Ganado, E., LL.D. (Civil L.) Prof.
Randon, L. A., M.A., LL.D. (Crim. & Science of L.) Prof.
Bartolo, A., B.Litt., LL.D., M.L.A. (Hist. of Legisln. in England and Malta) Prof.
Frendo, P. G., LL.D. (Fiscal Laws, Statistics and Admn.) Prof.

Logic and Philosophy
Cuschieri, Senator Very Rev. A., O.C. Prof.

Mathematics and Pract. Engin.
Nixon, W. F., B.Sc. Lond., A.R.C.Sc. Lond., Wh. Sch. Prof.

Mechanics, Applied, and Drawing
Gatt, J. L., L.S. and A. Prof.

Medicine and Surgery, v. *infra*

Natural History
Borg, John, M.A., M.D. Prof.

Pathology
Vincenti, R., M.D. Prof.

Philosophy, v. Logic

Physics
..... Prof.
Borg, S., M.D. Demr. in Expl. Sc.

Physiology
Xureb, P., B.Sc., M.D. Prof.

Political Economy
Sultana, A., LL.D. Prof.

Theology
Formosa, Mgr. G., B.A., D.D., J.U.D. Prof. of Dogm. T.
Zammit, C., D.D. Prof. of Moral T.
Callus, Rev. D., O.P. Prof. in Holy Script. and Hebrew.

Medicine

Forensic M. and Toxicology
..... Prof.

Hygiene and Preventive M.
Bernard, A. V., M.B.E., M.D., D.P.H. Prof.

Materia M., Pharmacy, and Therap.
Cassar, I., M.D. Prof.

Medicine
Ferro, E. H., B.A., M.D. Prof.
Debono, S., M.D. Asst. Prof.

Mental Diseases
..... Prof.

Midwifery and Gynæcology
Debono, G., M.D. Prof.
Harding, H., M.D. Asst. Prof.

Ophthalmology
Preziosi, Cont. L., B.Sc., M.D., D.O. Ox. Prof.

Surgery
Debono, P. P., M.D., D.P.H., F.R.C.S. Prof.
..... Asst. Prof.

GENERAL INFORMATION

Founded in 1769 by Grand-Master Fra Emmanuel Pinto de Fonçeca of the Order of St. John under the authority of Pope Clement XIV., the University is lodged in a building erected by the Jesuit Fathers in 1591–93 for a College, whilst its Medical Faculty originated in a School of Anatomy founded in 1674 by Grand-Master Nicola Cottoner in the Great Hospital of the Order, which accommodated 745 patients. The authorities of the University as reconstituted by a Govt. Statute of 1921 are the Visitor, the Rector, the General Council (consisting of the Rector, six Professors, and three members elected by Convocation), six Faculty Councils, and Convocation.

LIBRARY, 5000 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 (300 beds) and several special; Leper Asylum (100); lunatic (1800); aged poor (800).

FACULTIES: Literature, Science, Engineering and Architecture, Theology, Law, Medicine.

MATRICULATION involves passing an examn. in 5 subjects, including English, Italian, Maths., and, except for Engineering courses, Latin; for Med. students proposing to register in England, 6 subjects, including also Hist.

DEGREES, ETC. B.A., B.Sc., B.E. and A., M.D., LL.D., D.D., B.L. Can. Diplomas of Notary Public, Legal Procurator, Pharmacist and Apothecary, Dental Surgeon, Midwife.

SCHOLARSHIPS FOR GRADUATES. £120, one each in Theol., Law, Engin., and Med. (Travelling Scholps.). £50, one each in Theol., Law, Med. One of £120 awarded every 6 years in the faculty of Med.

THE YEAR 1926

NUMBER OF STUDENTS. Faculty of Science, 28; Literature, 12.

THE UNIVERSITIES OF INDIA

UNIVERSITIES were first established in British India as a result of the great parliamentary inquiry into the condition of India which preceded the confirmation of the Company's Charter in 1853. It was resolved to create a properly articulated system of education from the Primary School to the Univ. The London Univ., at that time a purely examining body, which admitted to its tests only the students trained in affiliated institutions—the latest device of educational statesmanship—was taken as a model. " It had been suggested, in London, by conditions which resembled those of Bengal. . . . Its defects were not yet apparent, though it was to be profoundly modified by London itself four years later. It had the advantage of costing very little. It enabled all the existing collegiate institutions, whether Government or missionary, to be worked into the same scheme, and promised to provide a quite impartial mode of testing the qualifications of students for Government service. Above all, it gave freedom to the non-Government Colleges—all, at that date, mission colleges—to carry on their work in their own way, and offered them help from public funds for the secular side of their work " (*Report of the Calcutta Univ. Commission*, 1917–19). In pursuance of this policy, Univs. were founded in 1857 at Calcutta, Bombay, and Madras. The framers of the policy, while contemplating that the ordinary subjects of study should be dealt with by the Colleges, did not intend that the Univs. should have no teaching functions, but in point of fact they have until recently concerned themselves solely with examinations. In 1882 and 1887 the Univs. of the Panjab and Allahabad were established on similar lines. A Commission was appointed in 1902 to examine the working of the system, and the Univs. Act of 1904 was designed to give effect to its recommendations as to reorganization of the government of the Univs., their assumption of teaching functions, and more effective supervision by them of the Colleges as well as more exacting conditions of affiliation. Univ. Professorships, Readerships, and Lectureships have accordingly been constituted in the above-named Univs., but mainly for advanced (post-graduate) courses and, except in Calcutta, only on a very small scale. Benares (Hindu), Mysore, and Patna Univs. were established in 1916 and 1917. The Osmania Univ., Hyderabad, Deccan, was also established in 1917, though actual tuition began in Aug. 1919.

The foundation, structure, aims and efficiency in working of institutions for higher education in India have been subjected to exhaustive re-examination by the Calcutta Univ. Commission, 1917–19. In the Univ. of Calcutta itself but little progress has been made towards giving effect to the far-reaching and fundamental changes recommended by this body, but their recommendations have to a great extent determined the lines on which were established in 1920 and the two following years the unitary, teaching, and residential Univs. of Aligarh, Dacca, Delhi, Lucknow, Rangoon, and on which the Univ. of

Allahabad was reorganized in 1921. The Nagpur Univ. was established by legislation in 1923, and in the same year the Univ. of Madras was reorganized on lines somewhat similar to those of the Univ. of Allahabad. Recently the constitution of the Rangoon Univ. has been somewhat altered by an Act of the provincial legislature. In 1926 Acts of the United Provinces and Madras Legislative Councils provided for the establishment of affiliating Universities at Agra and at Bezwada (the Andhra University). The report of the Bombay Univ. Reform Committee (published 1925) recommends the establishment of a Univ. at Poona.

CONSTITUTION. (*a*) The Univs. of Calcutta, Bombay, and the Panjab are still governed by the constitution framed under the Act of 1904. The Senate, comprising the (official) Chancellor, the Vice-Chancellor, and Fellows, constitute the Body Corporate of the Univ., the executive government being vested in a Syndicate of from 9 to 17 members, including the Vice-Chancellor and Director(s) of Public Instruction, and members (largely College teachers) elected by the Senate or the Faculties. The constitution and abolition of Faculties rests with the Senate. The Academic Council recently instituted by the Panjab Univ. has been invested with important powers subject to the general control of the Senate; the revision of the Constitution of the Senate and the Syndicate is, at present, engaging the attention of the governing authorities. In its application to Calcutta the Act of 1904 is modified by Act VII. of 1921.

(*b*) The new Univs. have a constitution modelled generally on that recommended for Calcutta by the Calcutta Univ. Commission:—(1) A large body called the Court, on which are represented the chief interests of the community either by election or by nomination, and including a number of ex-officio members, makes statutes and makes recommendations on the financial accounts and the annual report submitted by the Executive Council; (2) the Executive Council of some 15-20 members, elected partly by the Court, partly by the Academic Council, and including ex-officio members, is the executive authority in regard to finance and University appointments, and exercises all residual powers; (3) the Academic Council, which consists almost entirely of University teachers, is responsible for the regulation and maintenance of standards of education and examination within the Univ., and for the initiation of all changes in academic matters. The executive officers of the new Univs. are, as under the older constitution, the Chancellor, the Vice-Chancellor, and the Registrar, but the Governor-General is now introduced as the Visitor or Lord Rector, with powers of inspection. At Rangoon the three constituent bodies above mentioned are named (1) Council, (2) Executive Committee, and (3) Senate.

ADMISSION TO THE UNIVERSITIES. Most of the Indian Univs. admit students who have passed the Final Examn. of the High Schools, and 4 years are spent at a College affiliated to the Univ. before the student is qualified to sit for the Bachelor's Degree Examn., namely, 2 years before the Intermediate Examn. and 2 after. The Univs. of Allahabad, Aligarh, Dacca, Lucknow, and Patna regard the pre-Intermediate years

not as part of, but as preliminary to, University study. The Univ. of Mysore requires that a student shall, after obtaining the School-leaving Certificate, study for a year at a recognized Collegiate School and appear for the Entrance Examn.; successful candidates, admitted to the Univ. Courses of Study, can appear for the Bachelor's Degree Examn. after 3 years.

Applications for AFFILIATION are submitted by the Syndicate, if satisfied as to the managing agency, teaching staff, provision for residence of students, equipment, financial resources, suitability of fees, etc., to Government. If granted, the courses in respect of which the College is affiliated are specified. Affiliated Colleges must comply with requisitions by the Syndicate for information, submit themselves to inspection under the Syndicate's orders, and take such action as may be ordered consequent upon such inspections. In Calcutta and Panjab Univs. affiliation questions are dealt with by the Senate.

TERMS. Univ. examns. are, with few exceptions, held between March and June. Admissions are made as a rule in June or July, though in many cases regular work does not commence till Sept. or Oct.

DEGREE COURSES. In *Arts and Science* a 2 yrs.' course leading to an Intermediate examn. is followed by a further 2 yrs.' course for the Degree. English is a compulsory subject, except in the B.Sc. course of Allahabad, Bombay, Calcutta, and Patna. All., Lucknow, Madras, and Panjab Univs. give Honours degrees (All. in Science, Lucknow, Madras, and Panjab in Arts and in Science) requiring an additional year of study.

Commerce. The B.Com. course covers ordinarily 2 yrs. (All. and Mysore—3 yrs.) after passing the Intermediate examn. in Arts.

Law. The LL.B. (or B.L.) course covers 2 yrs. (Calc.—ordinarily 3 yrs.) after graduating in Arts or Science.

Medicine. The M.B. and B.S. course covers 5 yrs. (Bom.—4½ yrs., Calc. and Rangoon—6 yrs.), starting from the Intermediate examn. in Arts or Science (Calc.—in Science). L.M. and S. course (Rangoon), 5 yrs.

Teaching. The B.T. (All. and Mad.—L.T.) courses cover 1 yr. after graduation in Arts or Science. Calc. gives a L.T., obtainable by 2 yrs. of study after passing the Interm. examn. in Arts or Sc. Bombay requires either 3 yrs.' experience or 2 terms at a Training College after graduation, *plus* 1 yr.'s experience thereafter; Patna, 1 yr. of study 2 yrs. after passing the Interm. examn. in Arts or Science. The Lucknow Diploma in Teaching, for women only, requires a 1 yr.'s course after graduation in Arts or Science, as does the Rangoon diploma.

Engineering. For the B.E., Bombay gives a 3 yrs.', Calcutta, Madras, Patna, and Rangoon (post-intermediate) a 4 yrs.', course.

HIGHER DEGREES. The M.A. or M.Sc. can be taken by bachelors of 2 yrs.' standing; the M.Sc. Mad. by B.Sc. (Hons.) of 1 yr.'s standing; the Ph.D. Mad. by B.A. (Hons.) or M.A. of 3 yrs.' standing; the D.Litt. of All. and Ph.D. of Calc. by M.A. of 3 yrs.' standing; the D.Lit. or

D.Sc. of Panj. by M.A. or M.Sc. after 2 yrs. of further advanced study ; the D.Sc. of All. by M.Sc. of 3 yrs.' standing ; the D.Sc. of Calc. or Mad. by M.Sc. of 3 yrs.' standing. A degree of M.Com. of Bombay can be taken by B.Com. of 2 yrs.' standing. The examination for the Bombay diploma in Ophthalmology may be taken by L.M. and S. or M.B., B.S. of 1 yr.'s standing.

The LL.M. of All. and Bom., the M.L. of Mad., and the LL.M. of Panj. may be taken by LL.B. or B.L. of 2 yrs.' standing, the M.L. of Calc. or Patna at any time after taking the B.L., the LL.M. of Delhi by LL.B. of 3 yrs.' standing. The LL.D. (or D.L.) is open to LL.M. (or M.L.) after 5 yrs. (Calc. 1 yr.) of practice.

The M.D. (and in Calc. M.O.) can be taken by medical graduates after experience (Luck. and Panj. 4 yrs., Calc. and Mad. 3 yrs., Bom. 5 yrs.) in the practice of their profession or hospital practice (Luck. and Panj. 2 or 3 yrs., Mad. and Calc. 1 or 2 yrs., Bom. 1 or 2 yrs., in addition to professional practice). The M.S. qualifications are similar, but in Calcutta both hospl. and professional practice are required.

STATUS OF THE NEW UNIVERSITIES. The Univs. of Aligarh, Benares, Dacca, Delhi, and Patna have been incorporated by Acts of the Indian Legislature, and of Lucknow and Rangoon by those of provincial legislatures. Their degrees and examns. are recognized by the Govt. of India to be equal in value to those of the older Univs. for the purpose of admission to public services.

Mysore and Osmania were established by local legislation in Indian States, and are not within the jurisdiction of the Govt. of India. The degrees of Mysore have been recognized by the Univs. of Bombay, Calcutta, the Panjab, and Madras, and most of the new Universities, and by the Govt. of India. See also p. 574. Osmania degrees have been recognized by the Govt. of India as equivalent to those of the Univs. established by law in India.

Professor Karve's scheme for an Indian Univ. for women with headquarters at Poona proposes to organize there and, through affiliated institutions, elsewhere, instruction through the Indian vernacular languages adapted to the special needs of women. It is on entirely independent lines, and seeks no recognition or aid from Govt.

NUMBER OF STUDENTS in March 1924 in the 262 Arts and Professional (including 80 Intermediate and 2nd Grade) Colleges was 74,520, including 1914 women.

RESIDENCE. One of the recommendations of the Commission of 1902 was that much closer attention should be given to the conditions under which students live and work, and very large sums have since been spent in providing hostels and otherwise improving the conditions of student life. In 1923–24 some 24,674 students (including 826 women) of Arts and Professional Colleges were accommodated in approved hostels or boarding-houses.

CONFERENCES. In April 1920 a Committee was formed for drafting an outline of the functions and constitution of an Assocn. of Indian Univs. The project was further advanced at the Congress of Universities of

the British Empire at Oxford in July 1921, and at a Conference of Indian Universities held at Simla in May 1924. In accordance with a resolution passed by the Simla Conference, an INTER-UNIVERSITY BOARD has been formed with temporary headquarters at Mysore. Chairman of the Board—Nawab Hydar Nawaz Jung Bahadur (Mr. A. Hydari), B.A., Finance Member, Executive Council, H.E.H. Nizam's Government, and Member, Univ. Council, Osmania Univ., Hyderabad (Deccan); Hon. Secretary—N. S. Subba Rao, M.A., Barr.-at-Law, Univ. Prof. of Economics, and Principal, Maharaja's College, Mysore Univ.

The VICEROY'S GOLD MEDAL, instituted in 1926 by Lord Irwin, is open for competition, annually, to undergraduates of any Univ. incorporated by law in British India. It is awarded for the best essay on some problem of the day.

INDIAN STUDENTS AT THE HOME UNIVERSITIES. The Education Department of the Office of the High Commissioner for India, 42 Grosvenor Gardens, London, S.W.1, furnishes information and advice on educational and kindred matters to Indian students who come to this country to complete or supplement their education. The Hostel at 21 Cromwell Road, South Kensington, S.W.7, serves as a centre and meeting-place for Indian students and as a temporary residence for new arrivals. There are Local Advisers at the University of Manchester (J. K. Wood, D.Sc., College of Technology, Whitworth Street), and at Glasgow (R. M. Brown, Ph.D., B.Sc., M.I.M.E., Engineering Department, The University). At Edinburgh J. E. Mackenzie, Ph.D., D.Sc. (King's Buildings, the University) is the University's Adviser to Indian students. At Oxford Indian students may secure information and advice from H. S. Williamson, M.A., Indian Institute, Broad Street, Secretary to the Delegacy for Oriental Students, and at Cambridge, from W. S. Thatcher, M.A., 22 Fitzwilliam Street, Secretary to the Inter-Collegiate Indian Students Committee.

Indian students who propose to proceed abroad for further study are strongly advised to consult the University Bureau or Advisory Committee of their Province, from whom they can obtain full information about British and foreign universities. The names and addresses of the secretaries are as follows: Ajmere—J. A. Richey, C.I.E., M.A., Superintendent of Education, Delhi and Ajmere-Merwara, and Secretary, Indian Students' Advisory Board, Rajputana, Delhi; Allahabad—P. N. Sapru, Esq., M.A., LL.B., Barr.-at-Law, Indian Students' Advisory Committee, The University, Allahabad; Bombay—D. J. Wadia, Esq., Univ. Information Bureau, University Building, Fort, Bombay; Calcutta—Prof. T. S. Sterling, M.B.E., M.A., I.E.S. (Officiating), Univ. Students' Information Bureau, The University, Calcutta; Dacca—M. Hasan, Esq., M.A. (Cal.), B.A. (Oxon), Univ. Students' Information Bureau, Dacca, Bengal; Delhi—S. N. Mukarji, Esq., M.A., Indian Students' Advisory Committee, St. Stephen's College, Delhi; Gauhati—J. Borooah, Esq., Barr.-at-Law, Indian Students' Advisory Committee, Gauhati, Assam; Lahore—A. C. Woolner, Esq., M.A., Punjab University Foreign Information Bureau, Lahore; Madras—A. Davies, Esq., M.A., Barr.-at-Law, Univ. Students' Information Bureau, The Law

College, Madras; Mysore—N. S. Subba Rao, Esq., Univ. Students' Information Bureau, University of Mysore; Nagpur—Umawar Misra, Esq., M.A., LL.B., Univ. Information Bureau, Nagpur University, Nagpur; Patna—Sri Narayanan Sahay, Esq., B.A., Barr.-at-Law, Univ. Students' Information Bureau, Patna, Bihar and Orissa.

The High Commissioner for India is prepared at the request of parents and guardians in India to make arrangements for the education in Europe of a limited number of Indian students, for the supervision of their studies and personal welfare, and the administration of funds remitted to him for the purpose. The Secretary to the Oriental Delegacy at Oxford, the Secretary to the Inter-Collegiate Indian Students Committee at Cambridge, the University Adviser at Edinburgh, and the Local Adviser to Indian Students at Manchester and Glasgow, act on behalf of the High Commissioner in the case of students proposing to study at those centres. Inquiries may be addressed either direct to the addresses given above or through the Office of the High Commissioner for India, Education Department. The Department publishes annually the *Handbook for Indian Students—a Guide to the Facilities for University and Professional Studies and Training in the United Kingdom.* An annual report on the work of the Department is also published, copies of which can be obtained from the office of the High Commissioner or through the agents for the sale of Government of India publications.

The Hyderabad Government has a Scholarship Committee to regulate the grant of scholarships and give necessary information to students proceeding out of India, and has a special paid guardian for Hyderabad students (E. A. Seaton, Esq., Tyrrell's Wood, Leatherhead, Surrey) to look after and report about their progress whilst in Europe.

AGRA UNIVERSITY

VISITOR—THE GOVERNOR-GENERAL.

CHANCELLOR—THE GOVERNOR OF THE UNITED PROVINCES.

Act VIII. of 1926 of the United Provinces Legislature, which received the assent of the Governor-General on Oct. 20, 1926, provides for the establishment of a university " for the purpose of affiliating the colleges associated with the University of Allahabad . . . " so as to set it free to function as a unitary, teaching, and residential institution. It empowers the Agra University to affiliate colleges in the United Provinces, Rajputana, Central India, and Gwalior, except within the limits of the Universities of Allahabad and Lucknow, or within a radius of ten miles from the Benares Hindu University or from the Aligarh Muslim University. To supplement the work in affiliated colleges the University may institute teaching posts at selected centres.

Four 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*) research workers ; (*d*) 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, and Commerce. The Vice-Chancellor, an honorary officer elected by the Senate, is the principal executive and academic officer.

Students are not eligible for admission to a degree course unless they have passed the Intermediate Examination of the Board of High School and Intermediate Education of the United Provinces, or of an Indian University incorporated by law, or an equivalent examination.

ALIGARH MUSLIM UNIVERSITY

LORD RECTOR—THE GOVERNOR-GENERAL OF INDIA.

CHANCELLOR—HER HIGHNESS NAWAB SULTAN JEHAN BEGUM OF BHOPAL, G.C.S.I., G.C.I.E., C.I., G.B.E.

PRO-CHANCELLOR—HIS HIGHNESS AGA SIR SULTAN MOHAMED SHAH AGA KHAN, G.C.S.I., G.C.I.E.

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REGISTRAR—S. SAJJAD HYDER, B.A.

LIBRARIAN—MOHAMED HABIB, B.A. Ox., Barr.-at-Law.

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Tritton, A. S., M.A. Ox., D.Litt. Edin. Prof.*
Menon, Abdul Aziz Reader.

Botany

Hasan, Syed Hadi, B.Sc. Bom., B.A. Camb. Hon. Reader.*
Rafiq Ahmad, M.Sc. Lectr.
1 Demr.

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Haider, M., M.A. Camb., B.A. All., B.Sc. Lond., Barr.-at-Law Prof.*
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Abdul Aziz, B.Sc. All. Lectr. (Applied Chem.).
Ali, B., B.Sc. All., M.Sc. Lectr.

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Hyder, L. K., B.A. All. and Camb., Ph.D. Heid. Prof.*
Ahmad Khan, M., M.A. Panj. and Alig. Lectr.

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..... Prof.
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Husain, Tajammul, B.T. Panj., M.A. Lectr.

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Dickinson, E. C., B.A. Ox. Prof.*
Hill, J. L., B.A. Ox. Prof.
Inamullah-Khan, M.A. Calc. Reader.
Abdur-Rasid, Pirzada, M.A. Panj. Lectr.
Husain, Syed M., M.A. Lectr.
Hamid Ali, M., M.A. Lectr.
Sarwar, G., M.A. Panj. Lectr.

Geography

Dann, E. W., M.A. Ox. Prof.*
Jalaluddin, Q. Lectr.

* Chairman of Dept.

History and Polit. Sc.
Haleem, A. B. A., B.A. Ox. Prof.*
Habib, Mohd., B.A. Ox. Prof.
Jalaluddin, K. M. Lectr.
Ali, N., M.A. All. Lectr.

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Ali Naqi, Syed, B.A. Reader.*
Khaliq, Abdul, B.A., LL.B. Lectr.
Abul-Hasan, Barr.-at-Law Reader.
Ishaq, M., B.A. Camb., Barr.-at-Law Lectr.

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Kureishy, A. M., M.A. All. Hon. Reader.*
Bose, N. K., D.Sc. Reader.
Osman, H. M., M.A. Lectr.

Persian [Reader.*
Hamid-uddin-Khan, M.A. All.
Hadi-Hasan, Syed, B.A. Camb., B.Sc. Prof.
Ahmad Siddiqi, R., M.A. All. Lectr.

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Sharif, M. M., B.A. Camb. Prof.*
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Bharat Ram, M.A., LL.B. Lectr.

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Murad, F. D., B.A., M.Sc. Panj. Reader.
Abdul Jalil, Syed, M.Sc. All. Lectr.
Jan Khan, Y. Lectr. (Electro-Tech.).
Haq, E., B.Sc. Lectr.
1 Demr.

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..... Dean.
Husain, S. U. M. Abbas (Shia Theol.) Prof.*
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Husain Faruqi, A. Lectr. (Sunni Theol.).

Sanskrit [Hon. Reader.*
Sarup Shastri, Pandit Ram

Urdu [Reader.*
Sajjad Hyder, Syed, B.A.

Zoology, v. also Botany
Butt, Ataullah, M.D. Berlin, M.B., B.S. Panj. Reader.*
Mohammad Sharif, M.Sc. Lectr.
Ali, E., M.Sc. Lectr.
1 Demr.

* Chairman of Dept.

GENERAL INFORMATION (v. also p. 525)

The Mahomedan Anglo-Oriental College, founded in 1875, became, under the Aligarh Muslim University Act of 1920, a unitary residential University, with Univ. School and Intermediate College attached as separate institutions. The Univ. receives Rs. 1,00,000 annually from the Govt. of India, Rs. 50,000 from the Local Govt., Rs. 36,000 from the Nizam of Hyderabad, and contributions from other Indian States. Although the governing body is composed of Mahomedans, and special attention is paid to Muslim Theology, it is open to all, without distinction of sex, race, creed, or class. In the grounds, comprising several square miles, are halls and hostels sufficient for the accommodation of all the students and some of the staff. LIBRARY, 21,000 vols. LABORATORIES: Physics and Chem.

The INTERMEDIATE COLLEGE prepares for the High School and Intermediate Examns., the latter being the admission examn. for the Univ. The Muslim UNIV. SCHOOL is a feeder to the Intermediate College and a practising school for the TRAINING COLLEGE.

COURSES. For students who have passed the Intermediate examn. of an Indian Univ.: two-year courses for the B.A. or B.Sc. Courses leading to M.A., M.Sc., and LL.B. degrees are also provided. FEES: for Tuition, Rs. 8 to Rs. 15 p.m.; Board and residence about Rs. 20 p.m.

Numerous SCHOLARSHIPS FOR GRADUATES, enabling them to proceed to higher degrees, are awarded. One of Rs. 75 per month for research in Arabic, open to M.A. Two fellowships, Rs. 75 p.m. for 2 yrs., for research in Science and Arts respectively. There is a loan fund for helping poor students.

THE YEAR 1925–26. Total number of Students in the Univ., 1121; in the Intermediate College, 1064. *Degrees conferred*: B.A. and B.Sc., 263; M.A. and M.Sc., 77; LL.B., 99; B.T., 41. A scheme for a school of technology was drawn up. Lectrs. in Applied Chemistry and Electro-technology were appointed.

UNIVERSITY OF ALLAHABAD

VISITOR—THE GOVERNOR-GENERAL OF INDIA.

CHANCELLOR—THE GOVERNOR OF THE UNITED PROVINCES OF AGRA AND OUDH.

VICE-CHANCELLOR AND CHAIRMAN OF THE COURT, THE ACADEMIC COUNCIL, AND THE COUNCIL OF ASSOCIATED COLLEGES—Mahamahopadhyaya GANGANATHA JHA, M.A., D.Litt.

REGISTRAR—J. M. DAVID, B.A.

LIBRARIAN—BENI PRASAD, M.A., Ph.D.

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Ali, Syed Ishaq, C.T., M.F.
Zubaid Ahmad, M. G., M.A.
Mohd Nainur Rahman, M.A.
Majduddin, Syed, M.A.

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Ranjan, S., M.Sc. Camb. Reader.
Saksena, R. K., M.Sc. Lectr.
Srivastana, G. D., M.Sc. Lectr.
1 part-time teacher.
2 Demrs.

Chemistry
Dhar, N. R., M.Sc. Calc., D.Sc. Lond., I.E.S. Prof.
Deb, S. C., M.A. Reader.
Chatterji, K. P., M.Sc. Reader.
Dutt, S. B., D.Sc. Lond. Reader.
Taimini, I. N., M.Sc. Lectr.
5 Demrs.

Commerce and Economics
Thompson, C. D., M.A. Reader.
Rudra, S. K., M.A. Camb. Reader.
Ghosh, M. K., M.A., B.Com. Lond. Reader.
Karwal, G. D., M.A. Panj. Lectr.
Bhatnagar, B. G., M.A. Lectr.
Jain, L. C., M.A., LL.B. Lectr.
Chowdhury, R. C., M.Sc. Lectr.
Dube, Daya Shankar, M.A., LL.B. Lectr.
Sapru, P. N., M.A., LL.B., Barr.-at-Law Hon. Teacher (Admin.).
2 part-time teachers.

Education
Simpson, A. A., M.A. Aberd. Prof.
Wall, W. G. P., M.Sc. Liv. Reader.

Lectrs. :
Bhattacharya, K. C., M.Sc. All., L.T.
Chatterji, F. B., B.A., L.T., LL.B.
Kishore, K., B.A., L.T.
Mukerji, D. N., B.Sc., L.T.
Roy, S. P., B.A., L.T.
Joshi, A. D., B.Sc., L.T.

English [Prof.
Dunn, S. G., M.A. Ox., I.E.S.
Jha, A. N., M.A. Reader.
Pande, S. A., M.A., LL.B. Reader.
Deb, S. C., M.A. Reader.
Ojha, Damri, M.A., LL.B. Lectr.
Gupta, L. D., M.A. Lectr.
Misra, S. N., M.A., LL.B. Lectr.
Sircar, K. M., M.A., M.Sc. Lectr.
Dastur, P. E., M.A. Lectr.
Bhandarkar, Miss V., M.A. Lectr.
2 part-time teachers.

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Shukla, D. P., B.A. Lectr.

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Khan, S. A., M.A., Litt.D. Prof.
Lloyd, C. P. W., M.A. Dub., I.E.S. Reader.
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Parmanand, M.A. Lectr.
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Prasad, Ishwari, M.A., LL.B. Lectr.
Saxena, B. P., M.A. Lectr.
Prasad, Bisheshwar, M.A. Lectr.
Seth, Miss S., M.A. Lectr.
1 part-time teacher.

Law

Weir, J. C., B.A., LL.D. Dub., Barr.-at-Law Prof.
Chaudhri, S. C., M.A. Calc., LL.B. Reader.
Jang, M. U. S., B.A., LL.D., Barr.-at-Law Reader.
Mukerji, H. K., M.A., B.L. Lectr.

Mathematics

Banerji, A. C., M.Sc. Calc., B.A. Camb., I.E.S. Reader.
Prasad, Gorakh, D.Sc. Lectr.
Srivastava, P. L., M.A. Lectr.
Prasad, Badri Nath, M.A. Lectr.
Prasad, B. N., M.A. Lectr.
Tiwari, S. G., M.A. Lectr.
Piare Mohan, M.Sc. Lectr.

Philosophy

Randle, H. N., M.A. Ox., I.E.S. Prof.
Mukerji, A. C., M.A. Reader.
Mukerji, N. C., M.A. Lectr.
Kaul, R. N., M.A. Lectr.
Haldar, Miss A. L., M.A. Lectr.

Physics

Saha, M. N., D.Sc. Calc. Prof.
Bhargava, S. R., M.Sc. Reader.
Ghosh, R. N., M.Sc. Lectr.
Sur, N. K., M.Sc. Lectr.
4 Demrs.

Sanskrit

Acharya, P. K., M.A. Calc., Ph.D., D.Litt. Lond., I.E.S. Prof.
Saksena, B. R., M.A. Lectr.
Misra, Umesh, M.A. Lectr.
Chatterji, K. C., M.A. Lectr.
Shastri, R. M., M.A., M.O.L. Lectr.
Adhikari, Miss Asha, M.A. Lectr.

Urdu

Zamin Ali, Syed, M.A. Lectr.
Hafiz, M., M.A. Lectr.

Zoology

Bhattacharya, D. R., M.Sc. [Reader.
Mehra, H. R., D.Sc. Reader.
Dass, B. K., M.Sc. Lectr.
Das, R. S., M.Sc. Lectr.
Varma, S. C., M.Sc. Lectr.
Datta, S. K., M.Sc. Lectr.
2 Demrs.

COLLEGES OF THE UNIVERSITY

EWING CHRISTIAN COLLEGE, Allahabad (American Presbyterian Mission). Principal, and Prof. of English—C. A. R. Janvier, M.A. Princeton, D.D. Other Professors: N. C. Mukerji, M.A. Calc. (English and Philos.); H. T. Bose, M.A. Calc. (English and Philos.); N. B. Mitra, M.A. Calc. (Maths.); R. K. Sharma, M.Sc. (Physics); C. D. Thompson, Jr., M.A. Col. (Econ.); Winfield Dudgeon, Ph.D. Chic. (Bot.); H. G. Kribs, Ph.D. Penn. (Zool.); Saraswati Prasad, M.A. (Econ.); B. B. Malvea, M.Sc. (Chem.); Anwarul Hak, M.A. (Persian); L. Aird, B.A. Durh. (Hist.); J. C. Manry, Ph.D. Iowa (Psychol.); F. R. Collins, M.A. Wooster (Hist.). 7 other Profs. and Lectrs.

KAYASTHA PATHSHALA UNIVERSITY COLLEGE, Allahabad. Principal—Tara Chand, M.A., D.Phil. 7 tutors.

CROSTHWAITE GIRLS' COLLEGE, Allahabad. Lady Principal—Miss S. Duara, M.A. Teachers—Miss S. Duara, M.A.; Miss P. Shadi Khan, B.A.

GENERAL INFORMATION (v. also p. 525)

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. In 1926 was passed the Agra University Act, which provides for the transfer of the control of these colleges to the Agra Univ.

LIBRARY, 54,498 vols. MUSEUM in connexion with Economics Dept.

FACULTIES. Arts, Science, Law, Commerce and Economics.

DEGREES, ETC. B.A., M.A., D.Litt.; B.Sc., M.Sc., D.Sc.; LL.B., LL.M., LL.D.; L.T. (Teaching); B.Com.

The *courses* of study in the Univ. for the bachelor's degree cover 2 (B.Sc. Hons.—3) years, following upon an examn. of " Intermediate " standard, equivalent to the Higher School Examn. of the Univ. of Cambridge. The intermediate examns. of other Univs. incorporated by law in British India are recognized for the same purpose.

For admission to courses leading to higher degrees the B.A. and B.Sc. degrees of any Univ. in British territory recognized by the law of the place in which it is situated are accepted as equivalent to Allahabad B.A. and B.Sc.

SCHOLARSHIPS FOR GRADUATES. 2 Emp. Vict. Research Readerships, Rs. 100 p.m. (3 yrs.), and 2 Kanta Prasad Research Scholarships for Hindus, Rs. 100 p.m. (2 yrs.), for M.Sc.; Research Scholarships of Rs. 100 each (1 yr.) in History (3), Economics (2), Sanskrit (1), Persian (1), Arabic (1), Philos. (1), English (1), Science (5); several of smaller amount. There is a SPECIAL FUND for enabling students and staff to proceed to *Foreign Countries* for higher studies.

PUBLICATIONS. *Calendar*, Rs. 5; *Univ. Examns. Prospectus*, Re. 0.8.0.; *Univ. Minutes*, Rs. 5; *University Magazine*, Rs. 2.8 p.a.; *University Studies*, Rs. 7.8; *Journal of Economics*, Rs. 12 p.a.; *Annual Report.*

ASSOCIATED COLLEGES

[M.A., etc., after name of College = teaching up to M.A., etc., standard.]

AGRA COLLEGE. M.A.; M.Sc.; LL.B. Principal and Prof. of *English Lit.*—F. J. Fielden, M.A. Camb. and Lond. Other Profs.: *English*—C. Goswami, M.A. *Arabic and Persian*—Syed Mohd. Ibn. Ibrahim, M.A. *Biol.* K. C. Mehta, Ph.D. Camb., M.Sc. Panj. *Chem.*—H. Krall, B.A., B.Sc. Dub.; B. L. Vaish, M.Sc. *Economics*—L. N. Ghosh, M.A. *History*—D. L. B. Riley, B.A. Ox. *Law*—Joti Prasad, B.A., B.Sc., LL.B. *Maths.*—S. Charan, M.Sc. Lond. *Physics*—S. P. Prasad, B.Sc. Calc., B.A. Camb.; S. K. Mukerji, M.Sc. *Sansk.*—K. L. Misra, M.A. *Zool.*—H. S. Seth, M.Sc., LL.B. 13 Lectrs. and 5 Demrs.

AGRA, *St. John's College.* M.A., in all subjects except Sanskrit and Arabic; B.Com.; M.Sc. in Maths., Physics, Botany, and Zoology. Under the general control of the Church Missionary Society. Admits non-Christians, but is especially for Christians. Principal and Prof. of English—A. W. Davies, M.A. Ox. Vice-Principal and Prof. of Philos. and Logic—T. D. Sully, B.A. Ox.

Other Profs.: *English*—P. N. Nascar, M.A. All.; C. Mahajan, M.A.; C. L. H. Sumner, B.A. Camb. *Philos. and Logic*—H. Mark, B.A. Camb.; H. B. Mundle, M.A. Calc. *Maths.*—C. Chaturvedi, M.A., B.Sc.; Kunwar Bakadur, M.A. *History*—J. C. Taluqdar, M.A. Calc.; P. D. Gupta, M.A. *Economics*—J. T. Goodchild, M.A. Sheffield. *Persian*—A. H. Faridi, M.A., L.T. *Arabic*—M. Ali Ahmad Khan. *Sansk.*—Pt. Ghanshyam Sharma. *Physics*—A. C. Datta, M.A. Calc.; K. C. Banerji, M.Sc. *Chem.*—K. C. Pandya, Ph.D. Lond.; N. M. Antani, M.A. Bom. *Zool.*—L. P. Mathur, M.Sc. Benares; C. John, M.A. Mad. *Botany*—F. H. E. Martin, B.A. Ox.; N. M. Mukerji, M.Sc. Calc. *Geography*—M. L. Shandilya, B.Com. Calc. *Accountancy and Business Methods*—Rup Ram Gupta, B.S. Panj., B.Com. All.; N. Timothy, B.Com. Luck. 8 Lectrs. and Demrs.

AJMER, *Govt. College.* B.A.; B.Sc. in Maths., Physics, and Chem. Principal—A. Miller, M.A., St. And. 10 Profs., etc.

BAREILLY COLLEGE. B.A. and B.Sc. Principal—A. C. Dutt, M.A. All. and Luck. 15 other Teachers, 280 students.

CAWNPORE, *Christ Church College.* B.A. Principal—S. C. Chatterji, M.A. 9 other Profs.

CAWNPORE, *D.A.-V. College.* B.A. and Comml. Diploma. Principal—Diwan Chand, M.A. Profs.: *Engl.*—D. N. Chakravarti, M.A. 18 other Profs.

CAWNPORE, *Sanatan Dharma College of Commerce.* B.A. and B.Com. Principal—S. P. Bhargava, M.A., LL.B. 11 other Teachers.

GORAKHPUR, *St. Andrew's College.* B.A. Principal—A. C. Pelly, M.A. Camb. 11 other Profs.

GWALIOR, *Victoria College.* B.A.; B.Sc. Entirely supported by the State. Principal—H. F. Manley, M.A. Camb. 17 other Profs.

INDORE, *Christian College.* M.A. in Philos. Principal—R. A. King, M.A. Manit., B.D. Edin., D.D. Tor. Other Profs.: A. A. Scott, M.A. Tor.; H. W. Lyons, B.A. Tor. 8 other Profs., etc.

INDORE, *Holkar College.* B.A.; B.Sc. Maintained by the State. Principal—P. Basu, M.A., Ph.D., B.L. 16 other Profs.

JAIPUR, *Maharaja's College.* M.A.; B.Sc. Maintained by the State. Principal (Dir. of Pub. Instruction)—N. K. Ray, B.A. Calc. 14 Profs.

JODHPUR, *Jaswant College.* B.A. Principal—Suraj Prakash, M.A. 7 Profs.

MEERUT COLLEGE. M.A.; B.Sc.; LL.B. Principal—Lt.-Col. T. F. O'Donnell, B.A. R.U.I 33 Profs., etc.

THE YEAR 1925-26

NEW BUILDINGS, ETC. A gymnasium was built (cost Rs. 4700). A plot for a new hostel for 125 students was acquired (cost Rs. 40,000). The building is estimated to cost 3 lakhs.

NEW REGULATIONS prescribed. Geography and Politics as separate subjects of study, the former for the B.A. and the latter for the B.A. and M.A. examns. The Act for establishing the Agra Univ., which will set the Allahabad Univ. free to function as a purely unitary, teaching, and residential Univ., received the assent of the Governor-General on Oct. 20, 1926.

NEW AFFILIATIONS. Holkar College, Indore—up to M.A. standard in

English and Economics; Christ Church College, Cawnpore—up to B.A. standard in English, Philos., History, Economics, Maths., Persian, and Sanskrit.

RESIGNATION. R. K. Vaish, Lectr. in Economics, on appointment to Imperial Customs Service.

STUDENTS. Total, 1158 (including 16 women); Arts and Science 860 (w. 15), Law 386 (w. 1), Commerce 18. Resident in hostels, 806.

DEGREES. B.A., 399 (w. 2); B.Sc., 208 (w. 2); M.A., 108 (w. 4); M.Sc., 35; LL.B., 294 (w. 1); B.Com., 35; L.T., 63 (w. 2).

THE ANDHRA UNIVERSITY, BEZWADA

VISITOR—THE GOVERNOR-GENERAL.

CHANCELLOR—THE GOVERNOR OF MADRAS.

PRO-CHANCELLOR—THE MAHARAJA OF BOBBILI, G.C.I.E., C.B.E.

VICE-CHANCELLOR—C. R. REDDY, M.A. Camb.

REGISTRAR—C. D. S. CHETTI, M.A.

The Act of the Madras Legislative Council constituting this "University 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. The districts in question are: Ganjam, Vizagapatam, West and East Godavari, Kistna, Guntur, Nellore, Bellary, Anantapur, Cuddapah, Kurnool, and Chittoor. These districts constitute the "University area," within which colleges previously affiliated to the Madras University are now affiliated to the new University. The Act establishes four categories of colleges: "University College," providing for honours or post-graduation courses qualifying for admission to the higher degrees; "First Grade College," providing courses qualifying for admission to examinations for the ordinary degree in Arts or Science; "Second Grade College," preparing for the Intermediate Examination; and "Special Grade College," providing courses in Oriental languages or in other special subjects. No "University" or "First Grade" College may be established or affiliated except in the towns of Vizagapatam, Rajahmundry, or Anantapur, or within ten miles thereof, provided that within 5 years the University may affiliate as First Grade any Second Grade College existing when the Act was passed.

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 such conditions as may be prescribed.

The Supreme governing body is the Senate, by whom 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 12 members, including the Vice-Chancellor and Director of Public Instruction, the Academic Council, the Faculties and Boards of Studies.

FACULTIES. Arts, Science, Oriental Learning, Teaching, Medicine.

ADMISSION to Univ. Courses is by matriculation examn. and Secondary School leaving certificate examn.

DEGREES. B.A., B.Ed., M.Ed., D.Litt., M.B.B.S., M.O.L. DIPLOMAS: Titles (4 years' course) and Certificates of Proficiency in Oriental Learning.

The EXAMINATIONS of all Statutory Indian Univs. are recognized as equivalent to the corresponding examns. of this Univ.

PUBLICATIONS. *University Code* (Administration, Statutes, Ordinances, Regulations, and Syllabuses); *Annual Register* (Affiliated Colleges, Endowments, Graduates); *Annual Report; Minutes.* A Publication Bureau is in the course of formation.

COLLEGES. There are 7 first-grade colleges, 4 second-grade, and 1 preparing students for a Medical Degree (M.B.B.S.). In addition there are 7 Oriental colleges recognized by the Univ. for the Oriental Title Examns. and Certificates of Proficiency in Oriental learning.

STUDENTS. About 3000, including a few women. 78, including women, are in the Medical College.

COLLEGES AFFILIATED IN DEGREE COURSES

ANANTAPUR, *Ceded Districts College.* Principal—N. R. Krishnamma, B.A. Ox., and 20 lecturers.

COCANADA, *P.R. College.* Principal—V. Ramakrishna Rao, M.A., Ph.D., L.T., and 20 lecturers.

GUNTUR, *A.L.M. College.* Principal—The Rev. H. H. Sipes, M.A., and 19 teachers.

MADANAPALLE, *Theosophical College.* Principal—C. S. Trilokikar, M.A., and 14 lecturers.

MASULIPATAM, *Noble College* (Church Miss. Soc.). Govt. annual grant. Principal—Rev. A. B. Johnston, M.A. 19 lecturers.

RAJAHMUNDRY, *Government College.* Principal, and Prof. of *Engl.*—W. B. Brierley, B.A. 23 other teachers.

VIZIANAGRAM, *Maharaja's College.* Principal—K. Janaki Rao, B.A., L.T., and 28 teachers.

Medicine

VIZAGAPATAM, *Medical College.* Principal—Major F. J. Anderson, M.C., M.B.B.S., F.R.C.S., I.M.S.

BENARES HINDU UNIVERSITY

LORD RECTOR—THE GOVERNOR-GENERAL OF INDIA, *ex officio*.

VISITOR—THE GOVERNOR OF THE UNITED PROVINCES, *ex officio*.

CHANCELLOR—THE MAHARAJAH OF BARODA.

PRO-CHANCELLOR—THE MAHARAJAH OF BIKANER.

VICE-CHANCELLOR—Pandit MADAN MOHAN MALAVIYA, B.A., LL.B.

PRO-VICE-CHANCELLOR AND SECRETARY OF THE COURT AND THE COUNCIL—PRINCIPAL A. B. DHRUVA, M.A., LL.B.

TREASURER—Hon. RAJA MOTI CHAND SAHEB, C.I.E.

REGISTRAR—Professor SYAMA CHARAN DE, M.A.

On April 1, 1916, a teaching and residential Hindu University was incorporated " for the purposes, among others, of making provision for imparting education, literary, artistic, and scientific, as well as agricultural, technical, commercial, and professional, of furthering the prosecution of original research, and of giving instruction in Hindu theology and religion, and of promoting the study of literature, art, philosophy, history, medicine, and science, and of imparting physical and moral training."

The University began to function on Oct. 1, 1917, when it became responsible for the maintenance of the Central Hindu College, Benares. Colleges of Oriental Learning and Theology, and a Training College, were opened in July and Aug. 1918, a College of Engineering in 1919, a Department of Mining and Metallurgy and a Law College in 1923. The Univ.'s assets, including perpetual grants by the Govt. of India and by Ruling Chiefs of Rs. 1,00,000 and 75,000 respectively, are valued at Rs. 1,80,00,000.

Every member of the *Court*, the supreme governing body, must be a Hindu. It includes representatives of benefactors, graduates, the Senate, the Jain and Sikh communities, Hindu religion and Sanskrit learning, the learned professions. Of the *Senate*, the academic body, at least three-fourths must be Hindus; it includes (1) the Chancellor, Pro-Chancellor, Vice-Chancellor, Pro-Vice-Chancellor, Univ. Profs., and Principals or Heads of Colleges as *ex-officio* members; (2) 5 members nominated by the Visitor; (3) elected members, including representatives of the Court, of Hindu religion and Sanskrit learning, and graduates. The *Council* and *Syndicate* are the executive bodies of the Court and Senate respectively.

LABORATORIES: Chem., Physics, Zool., Bot., Geol., Mining, and Metallurgy. The Engineering College laboratories include shop equipped for manufacturing machines, smith and paint shops, iron and brass foundry, and motor-car repair shop; a power-house is also attached to the College.

ADMISSION. The Univ. is, subject to regns., open to persons of all classes, creeds, and castes, but provision is made for religious instruction (which is compulsory for Hindu students) and examination in the Hindu religion only. Women are eligible for admission to the Univ. and examns., degrees, etc.

FACULTIES. Oriental Learning, Theology, Arts, Science—Pure and Applied, Law.

DEGREES. B.A., M.A., D.Litt., B.Sc., B.Sc. in Appl. Sc. (Engin.), B.Sc. (Mining), B.Sc. (Metallurgy), M.Sc., D.Sc., Shastri, Shastracharya, Smritiratna, Smritisagara, Dharmashastri, Dharmacharya, LL.B., LL.M., LL.D., L.T. The admission qualification for Degree course (4 yrs.) in Mining or in Metallurgy is Interm Sc. examn. of an Indian Univ. or Board of Interm. Education, with Physics, Chem., and Maths.

RESIDENCE. Students are required to live in a Univ. or College Hostel, or, subject to the approval of the Pro-Vice-Chancellor, with parents or guardians. There are 5 hostels accommodating 1200 students and 84 residences for members of the staff.

SCHOLARSHIPS. 76 for Arts and Science students of merit, 20 for Teachers' Training College. Numerous other College Scholps.

DEGREES CONFERRED IN 1926. B.A., 152 ; M.A., 21 ; B.Sc., 73 ; M.Sc., 10 ; B.E., 17 ; L.T., 28 ; Shastri, 30 ; Smritiratna, 2 ; Shastracharya, 20.

COLLEGES MAINTAINED BY THE UNIVERSITY

CENTRAL HINDU COLLEGE. Principal (Univ. Prof. of Sansk.)—A. B. Dhruva, M.A., LL.B. Honorary Univ. Profs. : Sir P. C. Roy, Kt., C.I.E., D.Sc. (Chem.) ; Nil Ratan Dhar, M.A., D.Sc. (Phys. Chem.) ; C. V. Raman, M.A. (Phys.) ; B. Keightley, M.A. (Philos.) ; N. C. Nag, M.A., F.I.C. (Chem.) ; V. G. Kale, M.A. (Econ.). Others : K. K. Mathur, B.Sc. (Geol.) ; R. S. Inamdar, B.A. Camb. (Biol.) ; S. S. Bhatnagar, D.Sc. Lectrs. : *Biol.*—N. K. Tewari, M.Sc. ; Bholanath Singh, M.Sc. ; T. D. Pande ; K. N. Gupta, M.Sc. ; R. C. Saksena, M.Sc. ; S. C. Chatterjee, M.Sc. ; Y. Bharadwaj, M.Sc. ; K. R. Mehta, M.Sc. ; A. B. Misra, M.Sc. ; Chandra Bal, M.Sc. *Chem.*—M. B. Rane, M.A. ; S. Prasad, M.Sc. ; S. K. Basu, D.Sc. ; N. N. Godbole, M.A., B.Sc. (on leave) ; Dongar Singh ; P. S. Varma, M.Sc. ; D. N. Banerji, M.Sc. ; P. N. Roy, M.Sc. ; A. T. Mazumdar, M.Sc. ; K. C. Banerji, M.Sc. *Econ.*—N. J. Shah, Ph.D. ; B. L. Sahni, M.A. ; Gurmukh Singh, M.Sc. ; G. C. Varma, M.A. *Engl.*—P. Seshadri, M.A. ; K. Prasad, M.A., Barr.-at-Law ; M. M. Desai, M.A. ; J. S. Yajnic, M.A., LL.B. ; S. N. Lal, M.A. *Hist.*—K. C. Chatterji, M.A. ; S. N. Bhattacharya, M.A. ; K. Bhattacharya, M.A. ; A. S. Altekar, M.A., LL.B. ; S. V. Pahanhekar, M.A. Ox. ; S. V. Puntambekar, M.A. Ox. ; G. P. Mehta, M.A . ; J. N. Prasad, M.A. *Maths.*—P. Prasad, M.A., B.Sc. ; S. Pande, M.Sc. ; Gorakh Prasad, M.Sc. ; D. N. Sen, B.A. Camb. *Pers.*—Mirza M. M. Husain. *Philos.*—P. B. Adhikari, M.A. ; S. K. Maitra, Ph.D. ; I. Tewari, M.A. ; B. L. Atreya, M.A. *Phys.*—P. K. Dutt, M.A. ; N. K. Sethi, D.Sc. ; U. A. Asrani, M.Sc. ; N. K. Pande, B.Sc. ; C. M. Sogani, M.Sc. ; P. C. Ghose, M.Sc. ; K. L. Tewari, B.Sc. *Religion*—P. N. Patankar, M.A. (also in Marathi) ; H. R. Pande, B.A. *Sansk.*—N. Bhattacharya, M.A. ; Baldeva Upadhyaya ; B. Nath, M.A. *Hindi*—S. Das, B.A. ; A. S. Upadhyaya. *Bengali*—Harihar-Shastri. *Urdu*—Mahesh Prasad.

COLLEGES OF ORIENTAL LEARNING AND THEOLOGY. Principals : O. L.—Maha. Pandit Pramathanatha Tarkabhusana ; Theol.—Pandit Prabhu Datta Agnihotri. 17 other Profs.

TEACHERS' TRAINING COLLEGE. Principal, Pandit C. M. Sukul, M.A., L.T. 3 Assts.

ENGINEERING COLLEGE. Principal and Prof. of Mech. E.—C. A. King,

B.Sc., A.R.C.Sc., M.I.M.E., M.I.S.E. Other Profs.: L. D. Coueslant, B.Sc. Lond., A.M.I.M.E.; B. C. Chatterji, B.A., B.Sc., B.L., M.I.E.E.; R. S. Jain, B.Sc., A.M.I.E.E.; H. K. Sen, M.I.Mech.E. and Min.E. 8 Asst. Profs. and a Demr. Arrangements have been made for holding at the College, examns. of the City and Guilds of London Institute.

DEPARTMENT OF MINING AND METALLURGY. Head of Dept. and Univ. Prof. of Mining and Metallurgy—N. P. Gandhi, M.A., B.Sc., A.R.S.M., D.I.C., F.G.S., M.I.M.M.

LAW COLLEGE. Hon. Profs.: Sir Tej Bahadur Sapru, M.A., LL.D., K.C.S.I.; M. L. Agarwala, B.Sc., LL.D.; K. N. Katju, M.A., LL.D.; A. P. Dube, B.C.L.; Munshi M. Prasad, M.A., LL.B.; P. N. Sapru, M.A., LL.B., Barr.-at-Law; Shankar Saran, B.A. Ox., Barr.-at-Law; A. N. Sanyal, B.A., LL.B. Lond.; U. S. Bajpai; Syed Agha Haidar; P. L. Banerji; S. N. Sen; Wali Ullah, M.A., B.C.L., LL.D.; B. S. Sastri, M.L. Mad.; B. N. Vyasa, M.A., LL.B. All.

UNIVERSITY OF BOMBAY

CHANCELLOR—THE GOVERNOR OF BOMBAY.

VICE-CHANCELLOR AND CHAIRMAN OF THE SYNDICATE—Sir CHIMANLAL H. SETALVAD, K.C.I.E., B.A., LL.D., M.L.A.

REGISTRAR—KHAN BAHADUR FARDUNJI M. DASTUR, M.A.

GENERAL INFORMATION (v. also p. 525)

Founded in 1857, the Univ. has concerned itself mainly with examinations, and maintained no teaching staff until 1913. Since then it has provided annually lectures for post-graduate students in History, Economics, Sociology, Sanskrit, and Mathematics. In 1919 it established a School of Economics and Sociology for research in these subjects. Extensions to University buildings, costing Rs. 8,13,000, were completed in 1923.

LIBRARY (established 1864, owing to Premchund Roychund Benefaction, Rs. 4,00,000), 30,000 vols., including Fawcett Collection (Econ.).

FACULTIES. Arts, Science (including Agric. and Engin.), Law, Medicine.

DEGREES. B.A., M.A.; B.Sc., M.Sc.; B.Com., M.Com.; LL.B., LL.M.; M.B., B.S.; B.Hy., M.D., D.Hy., M.S.; B.Ag., M.Ag.; B.E. (Civ., Mech.), M.E. DIPLOMA in Ophthalmology (D.O.).

RECOGNITION of examns. of other Univs.; Interm. Arts and Sc. examns. of other Indian Univs. and London.

FEES for Univ. post-grad. courses, Rs. 10 per term.

RESIDENCE. Board and lodging at Colleges generally from Rs. 40 to Rs. 70 p.m.

SCHOLARSHIPS FOR GRADUATES. In Sanskrit, Bhugwandass Purshotundass, Rs. 720; Law, Sir Mangaldas Nathubai, Rs. 1000 p.a. for 3 yrs.; Travelling Fellowship, Rs. 700 p.a. for 3 yrs. for Hindus; Technical educn. in England for Hindus, Rs. 2000 p.a. for 3 yrs.; Springer Research Scholp. Lectureships: Wilson Philological, Rs. 750 (6 cold weather lectures); Bhagvanlal Indraji, Rs. 1000 (6 lectures on Indian Epig., etc.); Bhimrao Ramrao Research Scholp., Rs. 2400 p.a. for 3 years.

Sir Currimbhoy Ebrahim endowment (3½ p.c. Govt. securities, nominal value, Rs. 10,00,000) for scholarships by way of advances (repayable) to Mahomedan students going to foreign countries for higher studies in Medicine, Philology, Ancient History, Arabic, Architecture, Town-planning, and Technological and Industrial subjects and for the superior services: Rs. 3600 p.a. for 3 yrs.

INSPECTION OF COLLEGES is conducted by means of committees, aided by an assessor from beyond the Presidency.

INSPECTION OF SCHOOLS applying for recognition for purposes of the Matriculation examn. is arranged for by the School Leaving Examn. Board.

PUBLICATION. *Calendar* (March); vol. i. Rs. 6, vol. ii. (examn. pp.) Rs. 4.

UNIVERSITY SCHOOL OF ECONOMICS AND SOCIOLOGY

Prof. of Economics—K. T. Shah, B.A., B.Sc. Lond. Asst. Prof.—C. N. Vakil, M.A., M.Sc. Lond.

Readers in Sociology—G. S. Ghurye, M.A., Ph.D. Camb.; N. A. Thoothi, D.Phil. Ox., B.A.

Wilson Philological Lecturer. A. Siddiqi, M.A. All., Ph.D. Gött.

AFFILIATED INSTITUTIONS RECOGNIZED IN DEGREE COURSES

Ahmedabad, *Gujarat College*. A Govt. College (the largest in the Presidency). Recognized in courses for B.A., M.A., B.Sc. Principal—G. F. Shirras, M.A. Aberd., F.S.S. Profs.: *Botany*—Y. D. Thanavala, M.A. *Chem.*—D. D. Kanga, M.A. *English*—A. L. Covernton, C.I.E., M.A. (C. Alfonso, M.A., acting); R. N. Welingkar, B.A. Ox. *French*—P. L. Charlier, B.A. *Gujarati*—G. L. Pandya, B.A. *Hist.*—M. S. Commissariat, M.A.; S. G. Deshpande. *Maths.*—V. M. Gaitonde, M.A. (S. M. Shah, M.A., acting). *Persian*—M. E. Namazi. *Physics*—V. B. Divatia, B.A. Camb., M.A. *Sansk.*—K. V. Abhyankar, M.A. *Zoology*—J. J. Asana. 10 other Asst. Lectrs.

Baroda, *State College*. In courses for M.A., M.Sc., B.A., B.Sc. Principal—S. G. Burrow, B.Sc. Lond., A.R.C.S. Profs.: *Biol.*—S. V. Shevde, B.Sc. *Chem.*—K. G. Naik, M.A., D.Sc., D.I.C. Lond.; M. D. Awasare, B.A., M.Sc. *Engl.*—A. X. Soares, M.A., LL.B.; C. V. Joshi, M.A.; S. M. Wadia, M.A.; W. Turner, M.A. Edin. *Hist. and Pol. Econ.*—J. M. Mehta, M.A. Ox., Barr.-at-Law; K. H. Kamdar, M.A. *Logic and Mor. Philos.*—A. K. Trivedi, M.A., LL.B.; M. A. Buck, M.A. *Maths.*—Gajanan G. Pendse, M.A.; A. C. Mukherjee, M.A.; B. Sengupta, M.A. Calc., B.L. *Pers.*—Syed Nawab Ali, M.A. *Phys.*—S. G. Burrow, B.Sc. Lond.; N. K. Apte, M.A., B.Sc. *Sansk.*—Bhasker R. Arte, M.A.; B. C. Lele, M.A. 4 other Lectrs., etc.

Bhavnagar, *Samaldas State College*. In B.A. courses. Principal, and Prof. of *Engl.* & *Hist.*—T. K. Shahani, M.A. 9 other Profs., 1 Lectr.

Bombay, *Elphinstone Coll.* (Govt.). In Arts. Principal, and Prof. of *English Lit.*—H. Hamill, M.A. Belfast. Other Profs.: *Engl.*—E. A. Parker, D.Litt. *French*—V. G. Rao, B.A. Camb. *Hist. and Pol. Econ.*—S. G. Panandikar, M.A., Ph.D. Lond.; R. P. Patwardhan, B.A. Ox. *Logic and Mor. Philos.*—S. G. Sathe, M.A. *Maths.*—K. R. Gunjikar, M.A. Camb.; P. S. Katti, M.A. Camb. *Pers.*—K. B. Irani, B.A. *Sansk.*—A. B. Gajendragadkar, M.A.

Bombay, *Grant Medical College* (Govt.). In Med. and in B.Sc. courses. Dean: Y. G. Nadgir, M.S. Profs.: *Bact.*—P. A. Dalal, L.M.& S., D.T.M. & H. Camb. *Med. Jurisprudence*—W. Nunan, B.A., M.D Dub. *Med.*—Major S. S. Vazifdar, M.R.C.P.L., I.M.S., *Mat. Med. and Pharmacy*—A. K. Contractor, M.D. Lond., M.R.C.P., D.P.H. *Midw. and Dis. of Women and Children*—Lt.-Col. A. F. Hamilton, M.B. Lond., F.R.C.S., I.M.S. *Surg.*—A. K. Dalal, F.R.C.S. *Ophth.*—J. N. Duggan, L.M. & S., D.O. Ox. *Phys.*—J. A. D'Souza, B.A., L.M. and S. *Physiol. and Histol.*—Capt. S. L. Bhatia, M.A., M.D. Camb., I.M.S. *Operative Surg.*—S. R. Moolgarkar, F.R.C.S. *Path.*—Raghavendra Rao, M.D., D.Sc. Lond. *Skin Dis.*—C. Fernandez, M.D. *Laryng., etc.*—S. H. Modi, F.R.C.S. *Anæsth.*—J. R. Jagose, L.M.S., D.T.M. Liv. *Elec.-Therap.*—P. M. Desai, M.R.C.S., L.R.C.P., D.M.R.E. Camb. *Hygiene*—H. D. Khote, M.B., B.S., M.R.C.P., D.P.H. *Dentistry*—J. J. Modi, L.M. & S., L.D.S. Eng. 3 Asst. Profs.

Bombay, *Government Law College*. Principal—J. S. Khergamvala, LL.D. Lond., B.A., LL.M., Barr.-at-Law. Profs.: S. V. Palekar, B.A., LL.B.; R. B. Vellani, Barr.-at-Law; V. G. Dalvi, B.A., LL.B., Barr.-at-Law; J. G.

Bhagat, M.A., LL.B., Advocate; P. P. Doctor, M.A., LL.B., Barr.-at-Law; M. S. Pandit, M.A. (Oxon), Barr.-at-Law; M. C. Chagla, B.A. (Oxon), Barr.-at-Law; B. G. Rao, B.A., LL.B.; J. G. Rele, B.A., LL.B.

BOMBAY, *St. Xavier's College* (S.J.). In Arts for B.A. and M.A.; in Science for B.Sc. and M.Sc. Principal, and Prof. of *French*—J. Dühr, Ph D., D.D. Other Profs.: *Biol.*—J. P. Mullan, M.A., and 3 others. *Chem.*—J. F. Caius, F. Sacasa, and 4 others. *Engl. Lit.*—J. Fell, and 2 others. *French Lit.*—W. A. Phillips, O.A., and another. *Geology*—A. S. Kalapesi, B.A., B.Sc. *Hebrew*—E. M. Ezekiel, B.A., LL.B. *Hist.*—H. Heras, A. C. Fernandez, M.A., E. Kaufmann. *Latin*—L. M. A. Menezes, B.A., LL.B. *Philos.*—P. Molitor, M. Sola, M.A., Ph.D. *Maths.*—H. Rafael, K. G. Datar, M.A., LL.B., and another. *Persian and Arabic*—Syed M. S. Riza. *Physics*—A. Steichen, Ph.D., and 4 others. *Sansk. and Indian Philosophy*—R. Zimmermann, Ph.D. *Sansk.*—K. M. Shembavnekar, M.A.

BOMBAY, *Wilson College* (U.F. Church of Scotland). In Arts; in Science for M.Sc. Principal, and Professor of *Philosophy*—J. McKenzie, M.A. Aberd. Other Profs.: *Biol.*—Vinayak N. Hate, B.Sc. *Chem.*—A. R. Normand, M.A., B.Sc., Ph.D. Edin. *Econ.*—G. N. Joshi, M.A., LL.B.; J. Kellock, M.A. *Engl. Lit.*—J. C. Daruvala, M.A.; R. D. Chokai, M.A.; J. Mackintosh, M.A. Edin. *French*—H. M. Lambert, B.A. Camb. *Hist.*—R. Strachan, M.A., B.D. Aberd. *Maths.*—J. McLean, M.A., B.Sc. Aberd. *Persian*—M. Ahmed, M.A. Calc. *Philos. and Hist.*—P. A. Wadia, M.A. *Physics*—D. B. Naik, M.A., B.Sc., LL.B. *Biology*—M. Ezekiel, M.Sc. *Sansk.*—Hari D. Velankar, M.A. 15 other Teachers.

BOMBAY, *Cama and Allbless Hospitals.* In Midwifery courses for the M.D.

BOMBAY, *Gokuldas Tejpal Hospital.* For post-graduation study for M.D. and M.S.

BOMBAY, *Sydenham College of Commerce and Economics* (Govt.). In Arts for B.Com. Principal, and Prof. of *Currency and Banking*—M. L. Tannan, B.Com. Birm., Barr.-at-Law, I.E.S. Other Profs.: *Engl. and Cotton Industry* M. J. Antia, M.A., LL.B. Camb. *Econ.*—R. M. Joshi, M.A., LL.B., B.Sc. Lond. *Statistics*—H. L. Kaji, M.A., B.Sc. *Accounting and Auditing*—S. S. Engineer, B.A., F.S.A.A. 5 other Teachers.

BOMBAY, *Secondary Training College* (*Government*). Trains graduates in Arts for the B.T. degree. Principal, H. R. Hamley, M.A., M.Sc., Dip.Ed. Melb., and 5 other Lectrs

BOMBAY, *Municipal Laboratory.* In Chem. courses for the B.Hy. examn.

DHARWAR, *Karnatak College* (*Govt.*). In Arts and Sc. Principal, and Prof. of *Engl. and Philos.*—H. V. Hampton, M.A. Dub. Other Profs.: *English*—N. S. Takakhav, M.A.; B. N. Seal, B.A. Camb., I.E.S. *Econ.*—S. G. Beri, M.A. *Sansk.*—V. G. Bhat, M.A. Camb. *Pers.*—A. M. Moulvi, M.A. *Maths.*—D. P. Patrawli, M.A. Camb. *Logic and Philos.*—A. D. Dhopeshwarkar, M.A., LL.B. 13 Lectrs. and Demrs.

JUNAGADH, *Bahauddin College.* In Arts. Principal, and Professor of *Engl. Hist., and Pol. Econ.*—S. H. Hodivala, M.A. Other Profs.: *Engl.*—K. L. Oza, M.A. *French*—C. F. Saldanha, M.A. *Logic and Mor. Philos.*—Harilal M. Bhatt, M.A. *Maths.*—Hari Shankar, M.A. *Pers.*—M. H. Tirmizy. *Sansk.*—Mahadev M. Joshi, M.A.; N. B. Purohit, M.A. *Science*—Vasudev S. Ghurye, M.A. 3 Lectrs.

KARACHI, *Dayaram Jethmal Sind College.* In Arts; in Science for B.Sc. Principal, and Prof. of *Engl.*—S. C. Shahani, M.A. Other Profs.: *Biol.*—M.

G. Punvani, B.A., M.B. *Chem.*—J. V. Lakhani, M.Sc. *Engl.*—T. M. Advani, M.A., LL.B. *Hist.*—D. T. Mariwalla, M.A. *Philos.*—G. G. Kewalramani, M.A., LL.B. *Maths.*—T. P. Trivedi, M.A., LL.B. *Pers.*—Hotchand M. Gurbaxani, M.A. *Phys.*—Suratram B. Butani, M.A., B.Sc. *Sansk.*—Hari Laxman Lagu, B.A. 6 other Teachers.

KARACHI, *Nadirshaw E. Dinshaw Civil Engineering College.* Under the control of the Sind Collegiate Board. Principal, and Prof. of *Engin.*—G. N. Gokhale, B.Sc., L.C.E., A.M.I.E. Vice-Principal, and Prof of *Struct. Engin.*—S. B. Junnarkar, B.Sc. Lond.; M. H. Advani, L.C.E., and 8 other Teachers.

KOLHAPUR, *Rajaram College* (State). In Arts (up to B.A. Hons.). Principal, and Prof. of *Hist. and Econ.*—Balkrishna, M.A. Panj., Ph.D. Lond. 12 other Profs., etc.

POONA, *Deccan Government College.* In Arts. Principal, and Prof. of *Engl.*—H. G. Rawlinson, M.A. Camb. Other Profs.: *Engl.*—E. A. Wodehouse, M.A. *Hist. and Econ.*—G. B. Jathar, B.A. Camb., M.A. Edin. and Bom.; A. C. Farren, M.A. *Logic*—D. D. Wadekar, M.A. *Pers.*—N. D. Minocherhomji, B.A. *Sansk.*—S. K. Belvalkar, Ph.D. Harv., M.A. *Maths.*—D. D. Kapadia, M.A., B.Sc. 7 other Teachers.

POONA, *Fergusson College.* In Arts; in Science for B.Sc. Under the control of the Deccan Educn. Soc. Principal, and Prof. of *Physics*—K. R. Kanitkar, M.A., B.Sc. Other Profs.: *Bot. and Zool.*—Dhundiraj L. Dixit, B.A.; T. G. Yeolekar, M.A., B.Sc. *Chem.*—G. B. Kolhatker, M.A.; M. K. Joshi, M.A.; D. D. Karve, Ph.D. *Engl. and Sansk.*—V. G. Paranjpye, D.Litt. Paris, M.A., LL.B. *Engl. and Marathi*—G. V. Tulpule, M.A. *Engl.*—Ganesh H. Kelker, B.A. Camb., M.A. *German*—Krishnaji K. Joshi, M.A., Ph.D. Würz. *Hist. and Pol. Econ.*—Vaman G. Kale, M.A.; D. G. Karve, M.A. *Hist.*—S. R. Kanitkar, M.A. *Logic, etc.*—V. K. Joag. *Maths.*—R. P. Paranjpye, M.A. Camb., D.Sc. Calc.; V. A. Apte, M.A.; V. B. Naik, M.A.; G. S. Mahajani, M.A. *Philos.*—N. G. Damle, M.A. *Sansk.-Shastri*—Vasudeo S. Abhyanker. *Sansk., Pali, etc.*—N. G. Suru, M.A. 15 other Teachers.

POONA, *Government Agricultural College.* In B.Ag. courses. A College Diploma course is also provided. Principal, and Prof. of *Botany*—W. Burns, D.Sc. Edin. *Chem. and Geol.*—D. L. Sahasrabuddhe, M Sc., M.Ag. *Agric.*—B. S. Patel, B.Ag., N.D.A., N.D.D. *Entom.*—T. N. Jhaveri, L.Ag. *Hort.*—G. S. Cheema. *Agric. Economics*—P. C. Patil, R.B., L.Ag., M.Sc. *Agric. Engin., etc.*—J. P. Trivedi, L.C.E. 21 other Teachers.

POONA, *Government College of Engineering.* In Engin. (Civ. and Mech.) courses. Principal, and Prof. of *Civil Engin.*—W. L. C. Trench, B.A.I. Dub., M.I.C.E. Other Profs.: *Struct. Design*—H. P. Jordan, M.Sc. *Elec. Engin.*—Shiv Narayan, M.A., B.Sc. Panj., M.Sc., B.E. (Union U.S.A.), M.A.I.E.E., A.M.I.E.E. *Engin.*—C. Graham Smith, O.B.E., V.D., A.C.G.I., A.M.I.C.E. *Chem. and Geol.*—G. G. Narke, M.A. Calc., M.Sc. Manc. *Mech. Engin.*—A. David, B.Sc., M.E., A.M.I.E. An Asst. Prof. and 5 Lectrs.

POONA, *New Poona College.* In Arts. Under control of Shikshana Prasarak Mandali. Principal, and Professor of *Mathematics*—N. M. Shah, M.A. Camb. Other Profs.: *Econ. and Hist.*—R. P. Sabnis, M.A. Camb. *Engl. and Sansk.*—R. D. Karmarkar, M.A. *Engl.*—R. K. Lagu, M.A. *Philos.*—N. G. Naralkar, M.A., L.T.; S. V. Dandekar, M.A.; V. P. Patwardhan, M.A. *Marathi*—D. V. Potdar, B.A. *Physics*—M. R. Paranjpye, M.A., B.Sc. 10 other Teachers.

POONA, *Poona Law College.* Under control of the Indian Law Society. Principal—J. R. Gharpure, B.A., LL.B. (Hons.). 8 other Profs.

SANGLI, *Willingdon College.* In Arts. Under control of the Deccan Educn. Society, Poona. Principal, and Prof. of *Logic and Moral Philos.*—G. C. Bhate, M.A. 8 other Profs.

SURAT, *M.T.B. Arts College.* In Arts. Under control of Sarvajarik Educn. Soc., Surat. Principal, and Prof. of *Hist. and Econ.*—D. R. Gadgil, B.A., M.Litt. Camb. 14 other Profs.

THE YEAR 1925-26

BENEFACTIONS. Public subscriptions, Rs. 7000 for scholarship endowment; B. R. Desai, Rs. 13,000 for fellowship for research in tuberculosis, and Rs. 3000 for gold medal in Chemistry; D. K. Behram, Rs. 7000 for scholarship in Law; R. B. S. V. Rajadhyaksha, Rs. 12,000 for scholarship and gold medal; Edalji Dinshaw trustees, Rs. 4,25,000 for scholarships for Parsi students.

The UNIVERSITY REFORM Committee's report was published.

NEW AFFILIATIONS included Arts colleges at Nasik and Surat, a Law college at Karachi, a Medical college and two hospitals at Bombay. A NEW FACULTY of Oriental learning formed the subject of a report to Senate. A DIPLOMA in Ophthalmology was instituted. The necessity of provision for PHYSICAL TRAINING of students was brought to the notice of affiliated colleges.

UNIVERSITY BUREAU. The Syndicate agreed to take over from the Provincial Committee the duty of advising students proposing to study in univs. in Great Britain.

The INDIAN SCIENCE CONGRESS was held under the auspices of the Univ.

STUDENTS. Full-time: total, 10,508 (including 472 women); preparing for a first degree, in Arts and Pure Science 4696 (w. 216), Medicine 706 (w. 58), Commerce 233, Agric. 150, Engin. 215; graduate students, Arts, etc. 134 (w. 12), Med. 7, Teaching 44 (w. 7), Comm. 15, Agric. 7, Engin. 12; other full-time students, Arts, etc. 4210 (w. 179), Teaching 1, Agric. 21, Engin. 57. Resident in colleges or hostels, 2875 (w. 34). Part-time: total, 1576 (w. 43); preparing for first degree, Arts, etc. 9, Med. 495 (w. 30); graduates, Arts, etc. 16 (w. 2), Med. 4, Law 908 (w. 4), Commerce 8, Engin. 2.

DEGREES. B.A., 716 (w. 35); M.A., 51 (w. 4); B.Com., 42; B.T., 40 (w. 3); B.Sc., 146 (w. 1); M.Sc., 17 (w. 2); B.Ag., 25; B.E.(Civ.), 71; B.E.(Mech.), 9; LL.B., 350; LL.M., 1; M.B., B.S., 171 (w. 9); B.Hy., 4; M.D., 2; M.S., 1.

UNIVERSITY OF CALCUTTA

CHANCELLOR—THE GOVERNOR OF BENGAL.

VICE-CHANCELLOR AND CHAIRMAN OF THE SYNDICATE—J. N. SARKAR, C.I.E., M.A.

PRESIDENT, POST-GRADUATE COUNCILS—Sir NILRATAN SIRCAR, M.A., M.D., LL.D., D.C.L.

REGISTRAR—J. C. GHOSH, M.A.

CONTROLLER OF EXAMINATIONS—RAI BAHADUR A. C. BOSE, M.A.

INSPECTOR OF COLLEGES—H. C. MOOKERJEE, M.A., Ph.D.

SECRETARIES TO THE COUNCILS FOR POST-GRADUATION STUDIES: in Arts—G. N. BANERJEE, M.A., Ph.D.; in Science—H. C. BANERJEE, M.A., B.L.

UNIVERSITY PROFESSORS

Agriculture

Ganguli, N. N., B.Sc. Illinois
G. P. Singh Prof.

Art: Indian Fine Arts

Tagore, A. N., C.I.E., D.Litt.
Bageswari Prof.

Botany

Agharkar, S. P., M.A., Ph.D. Berlin
Sir R. B. Ghosh Prof.

Brühl, P. J., D.Sc., I.S.O., F.C.S., F.G.S.
Prof.

Chemistry

Ray, Sir P. C., Kt., C.I.E., D.Sc. Lond., Ph.D., F.C.S.
Sir T. N. Palit Prof.

Mitter, P. C., M.A., Ph.D. Berl.
Sir R. B. Ghosh Prof.

Sen, H. K., M.A., D.Sc. Lond.
Sir R. B. Ghosh Prof. of Applied C.

Mookerjee, J. N., D.Sc. Lond.
G. P. Singh Prof.

Economics [Minto Prof.

Banerjea, P. N., M.A., D.Sc. Lond.

English [Prof.

Stephen, H., M.A., D.D., Ph.D.

History and Culture, Ancient Indian

Bhandarkar, D. R., M.A., Ph.D.
Carmichael Prof.

Mathematics

Prasad, Ganesh, D.Sc. Lond. (Higher M.)
Hardinge Prof.

Mookerjee, S. D., M.A., Ph.D.
Prof.

Sen, N., D.Sc. (Applied M.)
Sir R. B. Ghosh Prof.

Mental and Moral Science

Radhakrishnan, S., M.A.
George V. Prof.

Haldar, H. L., M.A., Ph.D.
Prof.

Philology, Comparative

Taraporewala, I. J. S., B.A., Ph.D.
Prof.

Phonetics and Indian Linguistics
Chatterjee, S. K., M.A., D.Litt. Lond. G. P. Singh Prof.

Physics [Palit Prof.
Raman, C. V., M.A., D.Sc., F.R.S.
Bose, D. M., M.A., Ph.D. Berlin Sir R. B. Ghosh Prof.
Ghosh, Phanindranath, M.A., Ph.D., D.Sc. Lond. Sir R. B. Ghosh Prof. of Applied P.
Mitra, S. K., D.Sc. G. P. Singh Prof.

Zoology
Mitra, K., B.A. Prof.

POST-GRADUATION TEACHERS IN ARTS. *Economics*, 21; *English*, 20; *History*, including *History and Culture*, *Ancient Indian*, 32; *Indian Vernaculars*, 23; *Mathematics, Pure*, 10; *Sanskrit*, 23; *Pali*, 10; *Persian and Arabic*, 7; *Philology, Comp.*, 4; *Philosophy*, 18; *Psychology, Expl.*, 8; *Anthropology*, 12; *Commerce*, 17.

POST-GRADUATION TEACHERS IN SCIENCE. *Botany*, 4; *Chemistry*, 17; *Geology*, 4; *Mathematics, Applied*, 9; *Physics*, 14; *Physiology*, 4; *Zoology*, 5.

UNIVERSITY LAW COLLEGE. Principal—S. C. Bagchi, B.A., LL.B., LL.D. Vice-Principal—B. M. Majumdar, M.A., B.L. Professors: *C.P. Code and Evidence*—Birajmohan Majumdar, M.A., B.L., and 3 others. *Crim. L.*—Haraprasad Chatterjee, M.A., B.L., and 3. *Equity*—The Principal and 3. *Hindu L. and Const. L.*—J. P. Sarbadhikary, M.A., B.L., and 7. *Internat. L., Private*—P. Chaudhury, M.A. *Jurispr. and Roman L.*—Karunamay Basu, M.A., B.L., and 7. *Land Laws*—B. N. Chatterjee, M.A., B.L., and 3. *Real Property, Contracts and Torts*—S. C. Roy, B.A., LL.B., Barr.-at-Law, and 9. *T.P. Act, Mahom., and Pers. L.*—M. N. Roy, M.A., B.L., and 8.

GENERAL INFORMATION (v. also p. 525)

Founded in 1857, this Univ. has been mainly an examining body, but has provided facilities for research since 1893 (when the Premchand Roychand Endowment was applied to this purpose), and post-graduate teaching since 1909. In 1917 a new scheme for post-graduation teaching came into operation under which all students who desire instruction in the M.A. or M.Sc. courses in Calcutta must be registered in the Senate House as Univ. students. A Commission under the Presidency of Sir Michael Sadler, K.C.S.I., appointed by the Govt. of India in Sept. 1917 to inquire into the condition and prospects of the Univ. and consider the question of a constructive policy, presented a comprehensive report and a series of important recommendations in March 1919. Teaching in all the subjects for the B.Com. examn., including French, German, and other modern languages, Arabic, Pali, Persian, Tibetan, Chinese, and Japanese, and an annual course of lectures on "*The Poverty Problem*," are provided by the Univ.

Government grants from 1912 to 1923 amounted to Rs. 38,00,000, including Rs. 4,23,000 for endowment of chairs, and Rs. 13,36,000 for Hostels and a Students' Mess Scheme. During the same period private benefactions amounted to Rs. 60,86,000.

The Univ. buildings (expenditure on which from 1912 to 1923 amounted to Rs. 33,00,000) include a Senate House, completed in 1872 at a cost of Rs. 4,35,000, the Durbhanga LIBRARY with Law College, Hostel, and Univ. offices (Rs. 12,00,000), the Univ. Press, the Asutosh Building (Rs. 5,18,000) for post-graduation classes in Arts, post-graduation offices and lending library, and two palatial buildings for the teaching of post-graduation Science courses. LABORATORIES (in Univ. Coll. of Science): Phys. and Chem. (Pure and Applied), Applied Maths., Expl. Psych., Biol., Agric., Geol., etc.

FACULTIES. Arts, Science, Law, Medicine, Engineering. The Affiliated Institutions (v. *infra*) include Colleges of Law (Calcutta—Ripon and Univ.—Gauhati), Medicine (Belgachia and Calcutta), Engineering (Sibpur), and Teaching (Calcutta—David Hare and Diocesan).

DEGREES, ETC. B.A., M.A., Ph.D.; B.Sc., M.Sc., D.Sc.; B.Com.; B.T.; B.L., M.L., D.L.; M.B., M.D., M.S., M.O., D.P.H.; B.E., D.Sc. (Engin.).

STUDENTS' WELFARE. A committee of medical experts deals with all matters relating to the health of students, including physical education and organization of games and other forms of recreation. Military Training is provided for a Univ. Corps recruited from affiliated colleges. At the Hardinge Hostel for Law students the monthly charges amount to from Rs. 24 to Rs. 26.

RESEARCH STUDENTSHIPS, ETC. Premchand Roychand, Rs. 1400 p.a. for 3 yrs., awarded annually, 1 in Lit. and 1 in Science subject; Sreegopal Basumallik, Rs. 4000 in Vedanta (compared with Western) Philosophy; Durbhanga, Rs. 600 in Med.; Sir R. B. Ghosh, Rs. 900, 8 annually to Science students to be attached to the Sir R. B. G. Profs.; Guruprasanna Ghosh, 1 annually, tenable for 3 yrs. in Japan (Rs. 1000) or Europe or America (Rs. 2000) by Bengal Hindus; Palit., Rs. 1,00,000 endowment for research or investigation out of India; Sir R. B. Ghosh Travelling Fellowships (3), Rs. 2,50,000 endowment for research or investigation out of India for 1 yr.; Jubilee post-graduation scholarships in literary and scientific subjects, Rs. 32 p.m. for 2 yrs., one in each subject of the Honours B.A. and B.Sc. examns.; Sir P. C. Ray, annual prize for research in Chemistry, by a graduate student of the Univ. working in the College of Science, gold medal (value Rs. 100) and Rs. 500 in cash; Sir B. K. Bose, annual scholarship of Rs. 40 p.m. for a graduate student of the Univ. College of Science; S. N. Ghosh Lectureship in Comp. Religion, Rs. 9000; Tagore Professorship in Law, Rs. 9000; Kamala Lectureship in Indian Life and Thought, Rs. 1000 and gold medal. Numerous other lectureships, scholarships, medals, and prizes.

PUBLICATIONS. *Calendar*, Rs. 7.8; *Univ. Regulations*, Rs. 3; *Proceedings of Councils of Post-graduate Teaching*, 1918–1923, Rs. 3 each year; *Convocation Addresses*, 1915–1923, Rs. 5. 1858–1923, Rs. 10; *Calcutta Review*, monthly, annual subsn., Rs. 7 inland, Rs. 10 foreign; *Journals* of Depts. of Letters and of Science, Rs. 9 per vol.; Bulletin of Math. Society, etc.

AFFILIATED INSTITUTIONS RECOGNIZED IN DEGREE COURSES

[B.A., M.A., B.Sc., M.Sc., B.Com., etc. = affiliated up to B.A., M.A., etc., standard.]

BAGERHAT COLLEGE. B.A. Principal—C. Nag, M.A. 24 other Teachers.

BANKURA, *Wesleyan College*. B.A. and B.Sc. Principal—A. E. Brown, C.I.E., M.A. Camb., B.Sc. Lond. Vice-Principal—A. R. Spooner, B.A. Lond. 23 other Teachers.

BARISAL, *Brojomohan Institution*. B.A. and B.Sc. Principal, and Prof. of *Maths.*—S. C. Chatterjee, M.A. Vice-Principal—K. P. Ghosh, B.A. 35 other Teachers.

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F.R.C.S. Edin. *Med.*—B. C. Roy, M.D., M.R.C.P., F.R.C.S. *Jurispr.*—Major J. C. De, I.M.S. *Op. Surg.*—L. M. Banerjee, M.S. Calc., F.R.C.S. Eng. *Hygiene*—T. N. Majumdar, D.P.H. 45 other Teachers.

BERHAMPUR, *Krishnath College.* B.A. and B.Sc. Two years' course for Diploma in Commerce. Principal—B. C. Das, M.A. Camb. 40 Profs. and other Teachers.

BHOWANIPUR, *Asutosh College.* B.A. and B.Sc. Principal, and Prof. of *Econ.*—Panchanan Sinha, M.A., B.L. 28 other Teachers.

CALCUTTA, *Bangabasi College.* B.A. and B.Sc. Principal—G. C. Bose, M.A., M.R.A.S. 38 Teachers.

CALCUTTA, *Bengal Engineering College* (Govt.), Botanic Garden P.O., Howrah. B.E. Principal—T. H. Richardson, M.A., B.A.I. Dub., M.I.C.E. Irel., M.I.E. Ind. Profs. of *Civil Engin.*, *Elec. Engin.*, *Mech. Engin.*, *Mining*, *Physics*, *Maths.*, and *Chemistry.* 21 other Teachers.

CALCUTTA, *Bethune College* (Girls). B.A. Supported by Govt. Principal—Miss G. M. Wright. 13 Teachers.

CALCUTTA, *City College.* B.A. and B.Sc. Principal, and Prof. of *Engl. Lit.*—Herambachandra Maitra, M.A. Vice-Principal, and Prof. of *Maths.*—K. P. Chattoraj, M.A. 44 other Teachers.

CALCUTTA, *David Hare Training College* (Govt.). B.T. Principal—W. E. Griffith, M.A. Prof. of *Hist. of Educn.*—Chintaharan Chakravarti, M.A., B.T. Other Profs.: Binayabhusan Sarkar, B.A., B.T.; K. D. Ghose, B.A. Ox.; G. C. Dasgupta, B.A., B.T.

CALCUTTA, *Diocesan College* (Girls). B.A., B.T. Principal—Sister Dorothy Frances. 28 Teachers.

CALCUTTA, *Islamia College.* B.A. Principal—A. H. Harley, M.A., I.E.S. 22 other Teachers.

CALCUTTA, *Loreto House* (Girls). B.A. Established 1842. Connected with Univ. since 1889. Principal—Provincial Superioress of the Loreto nuns in India. 8 other Teachers.

CALCUTTA, *Medical College of Bengal.* M.B. Principal, and Prof. of *Medicine*—Lt.-Col. F. A. F. Barnardo, C.I.E., C.B.E., M.D., F.R.C.S.E., I.M.S. Other Profs.: *Anat.*—N. Pan, M.B. *Physiology*—Lt.-Col. A. C. Macgilchrist, D.S.O., M.A., M.D., I.M.S. *Biology*—E. Ghosh, M.Sc., M.D. *Chem.*—Hiralal Singha, B.A., M.B. *Dentistry*—J. E. Gill, D.D.S. Leeds. *Hygiene*—R. B. Khambata, M.R.C.S., L.R.C.P., D.P.H. *Mat. Med. and Clin. Med.*—Major E. H. V. Hodge, M.B., I.M.S.; R. N. Chopra, M.A., M.D., I.M.S. *Med.*—Major Hingston, M.D., I.M.S. *Med. Jurispr.*—Major J. C. De, M.B., M.R.C.P., I.M.S. *Midw.*—Lt.-Col. Leicester, M.D., B.Sc., F.R.C.P., F.R.C.S., I.M.S.; Major V. B. Green Armytage, M.D., M.R.C.P., I.M.S. *Ophth. Med. and Surg.*—Major E. W. O'G. Kirwan, M.B., F.R.C.S., I.M.S. *Neurology*—Major H. E. Alexander, F.R.C.S., I.M.S. *Path.*—Capt. G. Shanks, M.D., B.A., I.M.S. *Physics*—Tulsidas Kar, M.A. *Surgery, Principles of*—Lt.-Col. Sir F. P. Frank, D.S.O., F.R.C.S., I.M.S. *Surgery, Clin. and Operative*—Lt.-Col. H. B. Steen, M.D., M.S., I.M.S. 29 other Teachers.

CALCUTTA, *Presidency College.* B.A. and B.Sc. Maintained by Govt. Number of undergrads. limited to 650. Principal—H. E. Stapleton, M.A., B.Sc. Other Profs.: *English Literature*—B. G. Mukerjee, M.A.; T. S. Sterling, M.A.; Praphullachandra Ghosh, M.A.; Srikumar Banerjee, M.A.; H. K. Banerjee, M.A., B.Litt.; M. G. Bhattacharjee, M.A.; P. C. Dustoor,

M.A. *Geology*—G. V. Hobson, B.Sc. Lond., A.R.S.M., D.I.C. *Ment. and Mor. Philos. and Logic*—P. D. Shastri, M.A., Ph.D., B.Sc.; Khagendranath Mitra, M.A.; S. N. Das Gupta, Ph.D.; R. K. Datta, M.A. *Hist.*—K. Zachariah, B.A.; Binaykumar Sen, M.A.; U. N. Ghoshal, M.A., Ph.D; S. C. Majumdar, M.A. *Pol. Econ. and Pol. Philos.*—J. C. Coyajee, B.A., LL.B.; Panchanandas Mukherjee, M.A.; D. G. Chattoraj, M.A. *Sansk., Pali, and Bengali*—Nilmani Chakrabarti, M.A.; Harihar Banerjee, M.A.; S. N. Bhaduri, M.A. *Arabic and Pers.*—Md. Sonaullah, M.A.; M. Haque, M.A.; Hedayat Hossain. *Maths. and Astron.*—B. M. Sen, M.Sc., M.A. Camb.; Saradaprasanna Das, M.A.; J. M. Bose, M.A., B.Sc. Edin.; H. C. Sengupta, M.A. *Phys.*—P. C. Mahalanabis, B.A.; S. Datta, D.Sc. *Chem.*—Jyotibhushan Bhaduri, M.A., F.C.S.; R. N. Sen, M.Sc.; P. Niyogi, Ph.D., F.C.S. *Physiol.*—S. C. Mahalanabis, B.Sc.; N. C. Bhattacharyya, M.A., B.Sc. *Botany*—S. C. Banerjee, M.A.; S. C. Sinha, M.A. 25 Assts. and Demrs.

CALCUTTA, *Ripon College.* B.A., B.Sc., B.L.

College Department. Principal, and Prof. of Engl.—N. Raye, M.A. Vice-Principal, and Prof. of Engl.—R. N. Ghose, M.A. 37 other Teachers.

Law Dept. Principal—S. C. Chaudhuri, M.A., LL.B. Camb., Barr.-at-Law. Prof.—J. N. Kanjilal, M.A., D.L. 9 other Teachers.

CALCUTTA, *St. Joseph's College.* Interm. A. and Sc. Principal—Rev. Br. P. F. Lillis. Vice-Principal, and Prof. of *English and History*—Rev. Brother J. L. Maher. 5 other Profs.

CALCUTTA, *St. Paul's Cathedral Mission College* (formerly "The Church Missionary Society's College"). B.A. Number of students limited to 350. Principal, and Prof. of *Philos.*—Rev. P. G. Bridge, D.D. 20 other Teachers.

CALCUTTA, *St. Xavier's College* (S.J.). B.A., B.Sc. Students of other religious persuasions are admitted. Rector—E. Roeland, S.J. 53 Teachers.

CALCUTTA, *Sanskrit College.* B.A. Principal, and Prof. of *Philos. and Logic*—A. N. Mukerjee, Ph.D. 18 other Teachers.

CALCUTTA, *Scottish Churches' College.* B.A. Hons. and B.Sc. Hons. Formerly the General Assembly's Institn. and Duff Coll. Principal—J. Watt, M.A., D.D., F.C.S. Other Profs.: *Engl.*—J. D. Sinclair, M.A., B.D.; W. Owens, B.A.; S. C. Dutt, M.A.; B. B. Ray, M.A. *Philos. and Logic*—W. S. Urquhart, M.A., D.Litt.; G. Ewan, M.A., Ph.D.; P. C. Sen, M.A.; S. P. Biswas, M.A. *Econ.*—J. Kellas, M.A.; N. C. Bhattacharyya, M.A. *Maths*—M. S. Sarkar, M.A.; B. B. Mandal, M.Sc.; N. K. Karfarma, M.A.; B. N. Mukerjee, M.Sc. *Sansk.*—B. L. Banerjee, M.A.; K. P. Mookerjee; N. L. Vidyabinod. *Bengali*—M. M. Bose. *Hindi*—Shib Narain Lala. *Physics*—N. C. Ray, M.A.; R. K. De, M.A., B.Sc. *Chem.*—B. C. Dutt, M.A., F.C.S.; R. N. Chatterjee, M.A. *History*—H. E. Fraser, M.A.; M. L. Sarkar, M.A.; A. C. Sen, M.A. 10 other Lectrs. and Demrs.

CALCUTTA, *Univ. Law College*, v. *supra.*

CALCUTTA, *Vidyasagar College* (formerly Metropolitan Institn.). B.A. and B.Sc. Principal, and Prof. of *Engl. Lit.* and *Philos.*—J. R. Banerjea, M.A., B.L. 41 other Teachers.

CHITTAGONG, *College* (Govt.). B.A. and B.Sc. Acting Principal—Shams-ul-'Ulama Md. Kamál-ud-Din Ahmad, M.A. 24 other Teachers.

COMILLA, *Victoria College.* B.A. Principal, and Prof. of *Engl. Lit.*—Satyendranath Basu, M.A. 18 other Teachers.

COOCH-BEHAR, *Victoria College.* B.A. and B.Sc. Principal, and Prof. of *Physics*—M. Dey, M.A. 16 other Teachers.

DAULATPUR, *Hindu Academy.* B.A. and B.Sc. Pass and Hons. Principal—B. B. Bhattacharyya, M.A. Vice-Principal—S. G. Mukerjee, M.A. 25 other Teachers.

FARIDPUR, *Rajendra College.* B.A. Principal—K. N. Mitra, M.A. 15 other Teachers.

FENI COLLEGE. B.A. Principal, and Prof. of *History*—A. C. Rakshit, M.A. 14 other Profs.

GAUHATI, *Cotton College* (Govt.). M.A. in English (A course); B.A. and B.Sc. Principal—F. W. Südmersen, C.I.E., B.A. Lond. Profs.: *Engl.*—R. C. Goffin, M.A. Lond.; Praphullachandra Ray, M.A.; Asutosh Chatterjee, M.A.; S. K. Bhuyan, M.A., B.L.; B. K. Kakati, M.A. Profs. of *Physics*—D. E. Roberts, M.A.; S. N. Chatterjee, M.A. *Chem.*—C. L. De, M.A.; A. K. Das, M.A.; S. C. Chatterjee, M.Sc. *Maths.*—Harshanath Sen, M.Sc. *Philos.*—R. R. Thomas, M.A. *Sansk.*—L. N. Chatterjee, M.A., V.S. *Arabic and Persian*—S. Md. Mahibullah. *Economics*—A. E. Brown, M.A., LL.B., Barr.-at-Law. 12 other Teachers.

GAUHATI, *Earle Law College* (Govt.). Principal—J. Borooah, Barr.-at-Law. Profs.: T. N. Phukun, B.L.; Satyanath Bara, B.L.; S. C. Chakravarti, M.A., B.L.

HETAMPUR, *K.C. College.* B.A. Principal—B. C. Sengupta, M.A., B.L.

HUGHLI COLLEGE. B.A. and B.Sc. Maintained by Govt. Principal, and Prof. of *Hist.*—R. B. Ramsbotham, M.B.E., M.A., B.Litt. Ox., I.E.S. 18 other Teachers.

KRISHNAGAR COLLEGE (Govt.). B.A. and B.Sc. Principal—Egerton Smith, M.A. 20 other Teachers.

MIDNAPORE, *Midnapore College.* B.Sc. (Hons. in Phys. and Maths.). Principal—H. C. Sanyal, M.A., B.L. 11 Teachers.

MYMENSINGH, *Anandamohan College.* B.A. Principal—Jajneswar Ghosh, R.B., M.A., Ph.D. 22 Teachers.

PATNA, *Edward College.* B.Sc. Principal—R. Bose, M.A. 16 other Teachers.

RAJSHAHI, *Government College.* B.A. and B.Sc. Principal, and Prof. of *Phys.*—S. N. Maitra, M.A., B.A. Camb. 34 other Teachers.

RANGPUR, *Carmichael College.* B.A. and B.Sc. Principal, and Prof. of *Phys. and Maths.*—D. N. Mallik, B.A. Camb., Sc.D. Dub., B.Sc.Lond., I.E.S. 23 other Teachers.

SERAMPORE COLLEGE (chartered in 1818 by the King of Denmark. Grants a B.D. degree which is accepted as equivalent to Calcutta B.A. as qualifying for post-graduation courses in most subjects. Bishops' College, Calcutta, and 4 other Theological institutions are affiliated to it). B.A. Principal—G. Howells, M.A., B.D., B.Litt., Ph.D. 25 other Teachers.

SHILLONG, *St. Edmund's College.* Interm. A. and Sc. Principal, and Prof. of *English*—Rev. Brother J. E. McCann. 5 other Profs.

SYLHET, *Murarichand College* (Govt.). B.A. Principal—D. Thomson, M.A., B.Sc. Glas., Ph.D. Gött. 23 Teachers.

THE YEAR 1925-26

BENEFACTIONS. For medals, prizes, etc., Rs. 13,500. Basak Factory presented to the Applied Chemistry Dept. a 5 h.p. motor and a hydro-extractor.

INCOME. From endowments, Rs. 2,24,500; Government, Rs. 3,87,128; Students' fees, Rs. 16,34,500; other sources, Rs. 1,10,000.

NEW REGULATIONS. Greater latitude in choice of subjects allowed to candidates for B.A. who have passed Intermediate Examns. in Science. Provision made for lectures on vernacular languages for Interm. and B.A. examns. in colleges and for local lectures for graduate students. New rules, conforming with requirements of the General Medical Council, governing medical courses and examns. and D.P.H. examn., and the institution of a degree in Agriculture approved by the Senate.

RECOGNITION accorded to the Dacca High Madrasa and the Jaffa (Palestine) Hebrew gymnasium leaving examns. as equivalent to the matriculation examn.

HONORARY DEGREE of D.L. conferred on Sir Wm. E. Greaves.

OTHER DEGREES (in 1925). Ph.D., 5; D.Sc., 1; M.A., 279; M.Sc., 131; B.A., 1456 (including women, 41); B.Sc., 501; B.T., 34 (w. 10); B.Com., 34; B.L., 713; M.B., 163; B.E., 18.

INTERCHANGE OF TEACHERS. Profs. M. Carlo Formichi of Rome (Sanskrit) and Manley Hudson of Harvard (International Law) were appointed Univ. Readers to deliver courses of lectures in the Univ.

FELLOWSHIPS, ETC., FOR STUDY ABROAD were awarded to Dr. S. N. Sen (London, France, and Portugal), P. B. Sarkar (Paris), P. De (Cambridge), B. N. Ghosh (England—Agric. Chemistry), H. K. Mukerji (London—Entomology), and M. C. Dasgupta (London—Commercial and Industrial Arts).

CALCUTTA SCHOOL OF TROPICAL MEDICINE AND HYGIENE

The School, which comprises (1) the SCHOOL OF TROPICAL MEDICINE, (2) the INSTITUTE OF HYGIENE, (3) the CARMICHAEL HOSPITAL FOR TROPICAL DISEASES, and (4) the CALCUTTA PASTEUR INSTITUTE, is supported mainly by the Government of Bengal, but it has an endowment fund which amounted on Dec. 31, 1925, to nearly £90,000, and receives large sums annually from commercial and industrial firms and individuals and the Indian Research Fund Association. A post-graduation clinical and laboratory course (Oct.-April) leads to the D.T.M. of the Faculty of T.M. of Bengal. A 3-months' (July-Oct.) course for medical officers and other practitioners leads to a certificate granted by the same authority. A 6-months' course (Oct.-April) for medical graduates leads to the D.P.H. of the Univ. of Calcutta and of other examining bodies.

Research Departments (in 1925): Leprosy, Kala Azar, Hookworm, Dysentery, Diabetes, Filariasis, Cinchona, Indigenous Drugs, Radiology.

Director—Lt.-Col. J. W. D. Megaw, C.I.E., B.A., M.B., B.Ch., B.A.O. (R.U.I.), I.M.S., Professor of Tropical Medicine. Other Professors: Major H. W. Acton, M.R.C.S., L.R.C.P., I.M.S.; Major R. Knowles, B.A. Camb., I.M.S.; Major R. N. Chopra, M.A., M.D. Camb., I.M.S.; Major R. B. Lloyd, M.A., M.B., B.Chir. Camb., I.M.S.; C. Strickland, M.A., B.Chir. Camb.; S. Ghosh, M.Sc. Calc., D.Sc. Edin.; Lt.-Col. A. B. Fry, C.I.E., D.S.O., M.D. Lond., D.P.H., D.T.M. & H. Camb., I.M.S.; Major A. D. Stewart, M.B., D.P.H., D.T.M. & H., I.M.S. 12 Asst. Profs. and Lectrs.

UNIVERSITY OF DACCA (BENGAL)

VISITOR—H.E. THE GOVERNOR-GENERAL OF INDIA.

CHANCELLOR—H.E. THE GOVERNOR OF BENGAL.

VICE-CHANCELLOR—Prof. G. H. LANGLEY, M.A.

TREASURER—RAI SASAAKA COMAR GHOSE BAHADUR, B.L.

REGISTRAR—KHAN BAHADUR NAZIRUDDIN AHMAD, M.A.

TEACHING STAFF

Arabic and Islamic Studies

Siddiqi, A., M.A. All., Ph.D. Gött. Prof.
Israeli, Saadat Ulla Lectr.
Ali, Munawar Lectr.
Ahmad, Marghoob, M.A., M.O.L. Panj. Lectr.
Khalid, A. U., M.A., B.L. Calc. Reader.
2 Asst. Lectrs.

Chemistry

Ghosh, J. C., D.Sc. Calc. Prof.
Sircar, A. C., M.A., Ph.D. Calc. Reader.
Choudhury, J. K., M.A. Calc., Ph.D. Berl. Reader (Analytical C.).
Guha, P. C., D.Sc. Calc. Reader.
De, R. L., M.Sc. Calc. Lectr.
Purakayastha, R. M., M.Sc. Calc. Lectr.
8 Asst. Lectrs.

Commerce

Junnarkar, P. B., M.A., LL.B. Bom. Reader.*
Hussain, A., M.A. Calc. Lectr.
1 Asst. Lectr.

Economics and Politics

Sinha, J. C., M.A. Calc. Reader.*
Banerjee, D. N., M.A. Calc. Reader.
Aiyyer, S. V., M.A. Mad. Lectr.
Saha, K. B., M.A. Calc. Lectr.
Dam, M. L., M.A. Calc. Lectr.
4 Asst. Lectrs.

Education [Hon. Reader.*

West, M. P., B.A. Ox.
4 Hon. Teachers.

English

Wrenn, C. L., M.A. Ox. Reader.*
Hasan, M., M.A. Calc., B.A. Ox. Reader.
Guha, P. K., M.A., B.L. Calc. Lectr.
Nag, U. C., M.A. Calc. Lectr.
Roy, B. K., M.A., B.L. Calc. Lectr.
Chanda, S. M., M.A. Calc. Lectr.
1 Tempy. Lectr. and 1 Asst. Lectr.

History

Majumdar, R. C., M.A., Ph.D. Calc. Prof.
Rahman, A. F., B.A. Ox. Reader.
Banerjee, S. C., M.A. Calc. Lectr.
Bhattacharyya, S. N., M.A. Calc. Lectr.
Mukherjee, P. C., M.A. Calc. Lectr.
2 Asst. Lectrs.

Law [Prof.

Sen Gupta, N. C., M.A., D.L. Calc.
Das Gupta, J. N., M.A., M.L Calc. Lectr.
Dutta Gupta, A. K., M.A., B.L. Calc. Lectr.
Pal, N. C., M.A., B.L. Calc. Lectr.
5 Part-time Lectrs. and an Asst.

Mathematics

..... Prof.

* Head of Department.

Basu, N. M., D.Sc. Calc.
Reader (Acting Head of Dept.).
Datta, H. N., M.Sc. Calc. Reader.
Ganguly, D. N., M.A. Calc. Lectr.
Ghosh, J., M.A. Calc. Lectr.
Sircar, H., M.Sc. Calc. Lectr.
1 Tempy. Lectr. and 1 Asst. Lectr.

Persian and Urdu

Khan, F. A., M.A. Calc. Reader.
Azad, S. M. Z. H., B.A. Panj. Lectr.
Ahmad, M., B.A. Calc. Lectr.
1 Asst.

Philosophy

Bhattacharyya, H. D., M.A. Calc. Reader.*
Bhattacharyya, U. C., M.A. Calc. Lectr.
Gupta, U. N., M.A. Calc. Lectr.
Ahmad, K., M.A. Calc. Lectr.
1 Asst. Lectr.

Physics

..... Prof.
Bose, S. N., M.Sc. Calc. Reader.
Ghosh, S. N., M.A. Calc. Reader.
Guha, B. C., M.Sc. Calc. Lectr.
9 Asst. Lectrs.

Sanskrit and Bengali

De, S. K., M.A., B.L. Calc., D.Lit. Lond. Reader.*
Basak, R. G., M.A. Calc. Lectr.
Bhattacharyya, G. P., M.A. Calc. Lectr.
Shahidullah, M., M.A. Calc. Lectr.
Bandyopadhyay, C., B.A. Calc. Lectr.
1 Tempy. Lectr. and 3 Asst. Lectrs.

* Head of Department.

ASSOCIATED COLLEGE. Teachers' (Govt.) Training College, Dacca. The Principal and teachers are honorary teachers of the Univ. and the College students read for the L.T. and B.T. in accordance with regns. prescribed on that behalf.

GENERAL INFORMATION (v. also p. 525)

This Univ. was established in 1921 under an Act passed in 1920 which provides for the constitution of Faculties of Arts, Science, Law, Agriculture, and Medicine. It is constituted in its main lines in accordance with the recommendations of a Committee presided over by Mr. (now Sir Robert) Nathan in 1912 and by the Calcutta Univ. Commission of 1917–19, presided over by Sir Michael Sadler. The Report of this Commission states that " two main factors may be clearly distinguished in the origination of the Scheme : first and foremost the desire of the Musalmans of Eastern Bengal to stimulate the educational progress of their community, and, secondly, the desire of the Govt. of India to create a new type of residential and teaching Univ. in India, as opposed to the present affiliating type. To these must be added a third factor of especial importance, the desire of the Govt. to relieve the congestion of the Univ. of Calcutta." † Although special attention is being devoted to Islamic Studies and to the needs of the Musalman community, the Univ. remains open to all, without distinction of sex, race, creed, or class. It is a unitary and residential Univ., of which the constitution resembles in many respects that of the modern English universities. The Authorities of the Univ. include a Court, an Executive Council, an Academic Council, and Faculties ; and the Teaching Staff has the main responsibility for all matters connected with teaching and examns. The students (other than those living under specially approved conditions) reside in the Halls and Hostels situated in the Univ. domain, and the Univ. teachers also reside in the houses erected

† Chapter xxxiii. of the *Report* deals in great detail with the scheme for the Dacca Univ.

for them thereon. The domain consists of about a square mile of fine park land, including over 100 acres of playing fields. It is adjacent to the Civil Station of Dacca and to a park called the Ramna, and lies from 1 to 1½ miles north-west from the centre of Dacca City. It is provided with electric light and power.

The chief existing buildings for teaching and administrative purposes include: A Court House with residential block; central buildings, containing about 200 rooms, which cover 117,000 feet of floor space used for Class-rooms and Library (at present utilized partly as a hostel for Muslim students); Chemical and Physical Laboratories, each including about 12,000 sq. feet of floor space; the Curzon Hall (which accommodates about 2000 persons); the Dacca Hall buildings, with residential accommodation for 160 students; the Jagannath Hall buildings, providing for 200 students.

LIBRARY, 41,752 vols. LABORATORIES: Physical, with metal and wood workshops; Chemical, with special arrangements for training in commercial analytic methods; and Psychological.

FACULTIES. Arts, Science, Law.

ADMISSION. The standard required for admission to courses leading to degrees is that of the Intermediate examn. of an Indian Univ.

DEGREES, ETC. The duration of the courses of studies prescribed are as follows: for B.A. or B.Sc. ordinary, 2 yrs., with Honours, 3 yrs.; M.A. or M.Sc., 2 yrs., or in the case of a Dacca Honours B.A. or B.Sc., 1 yr.; B.T. or L.T., 1 yr.; M.T., 3 yrs.; B.Com., 2 yrs.; B.L., 3 yrs. (Dacca Honours B.A., 2 yrs.); M.L., 3 yrs. The Ph.D., D.Sc., or D.L. may be taken by graduates of 3 yrs.' standing, but graduates of other Univs. must first pursue researches in this Univ. for 2 yrs.; published research work required.

SCHOLARSHIPS open to graduates: 3 of Rs. 40 each p.m., 15 of Rs. 32, 1 of Rs. 30 (for backward classes only), 2 of Rs. 25 (Muhammadans only). Research studentships: 2 of Rs. 100 p.m. and 4 of Rs. 75.

FEES. Tuition, per session; for B.A., B.Sc., or B.L. course, Rs. 96; M.A., Rs. 120; M.Sc., Rs. 144; Registration, Re. 1; Admission, Rs. 5; Athletic, Rs. 5; Students' Union, Rs. 3; Research students, Rs. 10. HOSTELS: Seat-rent varies from Rs. 2 to Rs. 4 p.m., including cost of light, water, medical attendance, medicine and servants. Cost of food about Rs. 12 p.m.

TUTORIAL CLASSES have been organized for all the Depts. of Study. All the teachers of the Univ. are engaged on the work under the control of the Heads of the Depts. and the Provosts.

PUBLICATIONS. *General Information Pamphlet* (Sept.); *Annual Report* (Sept.); *Address* by Sir Philip Hartog, Nov. 1925.

THE YEAR 1925–26

INCOME. From endowment, Rs. 59,000; Government grants for recurring expenses, Rs. 5,50,000; for capital expenditure, Rs. 3,50,000; students' fees, Rs. 1,87,000; other sources, Rs. 13,000.

NEW BUILDINGS, ETC. Muslim Hall of residence enlarged (Muslim students increased from 87 in 1921–22 to 170 in 1925–26). Chemistry Department enlarged at cost of Rs. 6000. Each Hall provided with sick-room.

RECOGNITION of Dacca degrees as equivalent to corresponding degrees of other Indian Univs. was accorded by Edinburgh.

RESIGNATIONS. Sir Philip Hartog, Vice-Chancellor; Prof. W. A. Jenkins.

INTERCHANGE OF TEACHERS. Profs. Carlo Formichi and G. Tucci of Rome each delivered a lecture.

STUDENTS. Total, full-time, 1325. Preparing for first degree, 641. Graduate students, 676 (including 1 woman). In halls of residence, 541.

DEGREES OBTAINED. B.A., 83; B.Sc., 64; B.Com., 17; M.A., 71; M.Sc., 23; B.L., 69; B.T., 62; L.T., 8; Ph.D., 1.

STUDENT-TRAVEL. The Council sanctioned expenditure of Rs. 1000 for taking students (M.A. class) of history to places of historical interest.

STUDY ABROAD. 5 graduate students and 2 undergraduates went to Great Britain for further study.

PHYSICAL WELFARE. Physical exercise was made compulsory. A marked improvement of physique was reported.

EMPLOYMENT OBTAINED (and reported to Univ.) by graduates. Bengal Civil Service, 11; educational posts, 14; commerce and industry, 4; others, 5.

UNIVERSITY OF DELHI

CHANCELLOR—H.E. THE GOVERNOR-GENERAL OF INDIA.

PRO-CHANCELLOR—Hon. KHAN BAHADUR SIR MUHAMMAD HABIBULLA, K.C.I.E.

VICE-CHANCELLOR—RAE BAHADUR MOTI SAGAR, B.A., LL.B. Panjab.

RECTOR—N. V. THADANI, M.A. Bombay.

TREASURER—SHIV NARAIN, B.A., LL.B. Panjab.

REGISTRAR—N. K. SEN, M.A. Calcutta.

APPOINTED (*) AND RECOGNIZED TEACHERS OF THE UNIVERSITY, May 1926, for classes above Intermediate standard

(S.), (H.), (R.) denote St. Stephen's, Hindu, Ramjas Colleges respectively.

Arabic, Persian, and Urdu

Abdur-Rahman, Munshi Fazil (S.).
Verma, A. N., M.A. Calc. (H.).
Ali, Syed Azhar, M.A., M.O.L., Munshi Fazil (Panj.) (S.).
Piyare Lal, Munshi Fazil (Panj.) (R.).

Chemistry

Bain, Miss A. M., M.A., B.Sc. Aberd.
Univ. Reader,* Head of Dept.

Economics

Chablani, H. L., M.A. Bom.
Birla Reader,* Head of Dept.
De, K. C., M.A. Calc. (R.).
Hirde Narain, M.A. (H.).
Nag, K. C., M.A. (S.).

English and History

Bali, H. C., M.A. (H.).
Bhattacharya, A., M.A. Ox. (H.).
Capron, R. S., B.A. Camb. (S.).
Dayal, S., M.A. Panj. (H.).
Dutt, S., M.A. (R.).
Fitch, W. O., B.A. Camb. (S.).
Gupta, B. B., M.A. (R.).
Chanda, N. P., M.A. (R.).
Monk, F. F., M.A. Ox. (S.).
Padley, H. W., B.A. (S.).
Qanungo, K. R., M.A. (R.).
Sen, S. K., M.A. Ox. (H.).
Sharp, C. H. C., M.A. Ox. (S.).
Spear, T. G. P., B.A. Camb. (S.).
Thadani, N. V., M.A. (H.).
Young, C. B., M.A. Ox. (S.).

Indian History

..... Datia Reader.*

Law

Shahani, M. S., M.A. Ox., Barr.-at-Law *
Jugal Kishore, B.A., LL.B., Vakil Lectr.*
Bishan Swarup, B.A., LL.B., Vakil Lectr.*
Bose, A. C., B.A., LL.B. Dean.
4 other Hon. Readers.

Mathematics

Bannerji, A. T., M.A. Calc. (H.).
Jugal Kishore, M.A. (R.).
Mukerji, S. N., M.A. Panj., B.A. Camb. (S.).
Ram Behari, M.A. Panj. (S.).
Sitaram, M.A. Panj. (R.).
Sri Ram, M.A. Panj. (H.).

Persian, v. Arabic

Philosophy

Sadoc, L., M.A., Ph.D. (S.).
Sen, N. K., M.A. Calc. (S.).

Mitra, C. C., M.A., B.L. Calc. (H.).
Bannerji, N. V., M.A. Calc. (R.).

Physics

Khub Ram, M.A. Panj., M.Sc. Leeds
Univ. Reader,* Head of Dept.
Chabra, B. D., M.Sc. Panj. (H.).
Thakur Singh, M.Sc. Demr.

Sanskrit

Har Narain, M. M. Pandit, Shastri (Panj.) (H.).
Lachhmi-Dhar, M.A., M.O.L., Shastri (Panj.) (S.).
Sharma, H. D., M.A. Benares (R.).
Kaul, K. N., M.A., M.O.L. Panj. (H.).
Ganga Ram, B.A. (R.).

Urdu, v. Arabic

GENERAL INFORMATION (v. also p. 525)

The three constituent colleges, formerly affiliated to the Univ. of the Panjab, were united to form a teaching and residential Univ. (Govt. of India Act, No. VIII. of 1922), with effect from May 1, 1922. Subsequently four Intermediate Colleges, three for boys and one for girls, were recognized as Constituent Colleges of the Univ., namely: The Anglo-Arabic, Ramjas Intermediate, Commercial, and Indraprastha (girls'). The authorities of the Univ. are a Court, an Executive Council, an Academic Council, and Faculties and Boards of Studies. The Univ. does not itself hold a Matricn. Examn. As a temporary measure, it admits students who have passed the matricn. examns. of other Indian Univs., but will after 1928 admit only those who have passed the Intermediate (Arts or Science) examn.

FACULTIES and Deans: Arts, C. B. Young; Science, Khub Ram; Law, A. C. Bose.

DEGREES. B.A., B.Sc., M.A., LL.B., LL.M., LL.D. A two-years' honours course is offered in most of the Arts subjects.

AVERAGE HOSTEL EXPENSES, Rs. 20 p.m.

PUBLICATIONS. *Calendar*, 1925–26, Rs. 3; *Annual Report and Annual Accounts*; *Minutes*; Convocation Addresses by Chancellor and Vice-Chancellor.

THE YEAR 1925–26. *Principal Benefactions*: Endowments by G. D. Birla and the Maharaja of Datia of Readerships in Economics and Indian History for 3 yrs. *New Posts*: 2 Law Lecturers and Warden of the Law Hall. *Students*: full-time, total, 1291 (including 8 women); preparing for a first degree, in Arts or Pure Science, 342 (w. 1), Law, 76; graduate students, Arts, etc. 62; other full-time students, Arts, etc. 749 (w. 7), Law, 63. *Degrees obtained*: B.A., 109; B.Sc., 9; M.A., 12; LL.B., 55.

UNIVERSITY OF LUCKNOW

VISITOR—THE GOVERNOR-GENERAL OF INDIA.

CHANCELLOR—THE GOVERNOR OF THE UNITED PROVINCES OF AGRA AND OUDH.

VICE-CHANCELLOR—M. B. CAMERON, M.A., B.Sc., D.Litt.

TREASURER—S. M. HABIBULLAH, O.B.E., B.A.

REGISTRAR—R. R. KHANNA, M.Sc.

PROFESSORS, LECTURERS, ETC.

KING GEORGE'S MEDICAL COLLEGE

Principal—Said-uz-Zafar Khan, Sahebzada, M.B., Ch.B. Edin., D.T.M. Liv.

Anatomy

The Principal Prof.

Goil, Capt. J. N., M.B., B.S. All. Lectr.

2 Demrs.

Materia Medica & Med. Jurispr.

Vyas, B. N., R.B., M.B. Panj. Reader.

Modi, J. P., L.R.C.P. & S. Edin., L.F.P. & S. Glas. Reader.

1 Demr.

Medicine

Sprawson, Lt.-Col. C. A., C.I.E., M.D., B.S. Lond., F.R.C.P. Eng., I.M.S. Prof.

Sahai, H., M.B., B.S. Panj. Lectr.

Obstetrics and Gynæcology

Hunter, Lt.-Col. T., M.A., B.Sc., M.D. Glas., I.M.S. Prof.

Siret, Miss A., M.B. Calc. Resident Surgeon (on leave), Demr.

O'Reilly, Miss A., L.M.S. Calc., L.R.C.P. Lond., M.R.C.S. Eng. (acting).

Ophthalmology

Acharya, B. G. S., B.A., M.B., C.M. Madras, L.R.C.P. Lond., F.R.C.S. Edin., D.O. Ox. Prof.

Misra, C. P., L.M.S. Panj. Lectr.

Pathology [Prof.

Stott, Maj. H., O.B.E., M.D., B.S., M.R.C.P., D.P.H. Lond., I.M.S.

Mukerji, Capt. J. G., L.M.S. Panj. Reader.

Abdul-Hamid, Mohd., M.B., B.S. All. Lectr.

1 Demr.

Physiology

Burridge, W., M.A., D.M., B.Ch. Ox., L.M.S.S.A. Lond. Prof.

Mathur, S. N., M.B., B.S. All. Lectr.

1 Demr.

Public Health

Pandya, D. D., R.B., L.R.C.P. & S. Edin., L.F.P. & S. Glas., D.P.H. Camb. Prof.

Viswanathan, P. S., C.E., A.M.I.E. Lectr. (Sany. Engineering).

Radiology [Reader.

Lal, Ragunandan, M.B., B.S. Panj.

Surgery

Bhatia, R. N., R.B., B.A., B.Sc., M.B., F.R.C.S. Prof.

Nigam, K. S., M.D. All., F.R.C.S. Eng., D.T.M. Lond. Lectr. and Regr.

Kacker, P. C., M.B., F.R.C.S. Hon. Lectr.

Pramanick, R. D., B.Sc., M.B., B.S. Lectr., Anæsthetist.

Canning College (Arts and Science)

Principal—M. B. Cameron, M.A. Glas., B.Sc. Lond., D.Litt.

Arabic

Siddiqi, M. Z., M.A. Patna, Ph.D. Camb. Reader.
Khalil, Mohd. Ben Arab Lectr.

Botany

Sahni, Birbal, M.A. Camb., D.Sc. Lond. Prof.
Chaudhury, H. P., M.Sc. Panj. (on leave) Lectr.
Pande, S. K., M.Sc. All. Acting.
Mukerji, Lieut. S. K., M.Sc. All. (on leave) Lectr.
1 Tempy. Lectr.
1 Demr.

Chemistry

MacMahon, P. S., M.Sc. Manc., B.Sc. Ox. Prof.
Gupta, B. M., M.Sc. All., Ph.D. Lond., A.I.C., D.I.C. Reader.
Sane, S. M., B.A., B.Sc. All., M.A., Ph.D. Berlin, F.C.S. Reader.
Raman Nayar, M., B.A. Madras, A.I.I.Sc. (Bang.) Lectr.
2 Demrs.

Economics

Mukerjee, R. Kamal, M.A., Ph.D. Calc. Prof.
Mukerji, B. B., M.A., B.L. Calc. Reader.
Dey, H. L., M.A. Calc. Lectr.
Mukerji, D. P., M.A. Calc. Lectr.

English

Nixon, R. H., B.A. Camb. Acting Prof.
Sidhanta, N. K., B.A. Camb., M.A. Calc. Reader.
Roy, F. T., M.A. All. Lectr.
Pinto, F. F. T., B.A., LL.B. Camb. Lectr.
Roy, C. G., M.A. All. Acting Lectr.
Bhattacharya, A. J., M.A. Jr. Lectr.
Ameer Ali, Syed, M.A., B.L. Calc. Jr. Lectr.

History [Prof. (European H.)

Smith, S. B., M.A. Ox.
Mookerji, R. Kumud, M.A., Ph.D. Calc. Prof. (Indian H.).
Banerji, S., M.A., L.T. All., Ph.D. Lectr.
De, J. C., M.A. Lond. Lectr.
Chatterji, C. D., M.A. Calc. Lectr.

Mathematics [Prof.

Strang, J. A., M.A., B.Sc. Edin.
Narayan, Lakshmi, M.A., D.S.C. All. Reader.
Banerji, S., M.A. Calc. Lectr.

Modern European Languages

Keightley, B., M.A. Camb., Barr.-at-Law Hon. Reader.

Persian and Urdu

Rehman, M.B., M.A. Panj., Ph.D. Camb. Reader.
Nurul-Aziz, Moulvi Md., M.A. All. Lectr.
Abdul Qavi Fani, Md., M.A. All. Lectr.
Fiqar, B. N., Munshi Lectr.
Rizavi, M. H. Syed, B.A. All. Acting Lectr.
Mohd. Wahid Mirza, M.A. Acting Jr. Lectr. (Urdu).

Philosophy

The Principal Prof.
Ahmad-Shah, E., M.A. All., B.Litt. Ox. Reader.
Kali Pershad, M.A. Lectr.

Physics

Wali Mohammad, M.A. Panj., Ph.D. Gött., I.E.S. Prof.
Deodhar, D. B., M.Sc. All (on leave) Reader.
Ray, S. N., M.Sc. All. Acting Reader.
2 Demrs.

Political Science
Ram, V. S., B.A. California, M.A., Ph.D. Harv. Reader.
Menon, V. K. N., B.A. Ox. Lectr.
Agarwal, K. D., B.A. Camb., Barr.-at-Law Lectr.

Sanskrit and Hindi
Iyer, K. A. Subramanya, M.A. Lond. Reader.
Shastri, B. N., Pt. M.A. All. Lectr.
Thakur, A. D., Pt. M.A. All. Lect.
Srivastava, S. R., M.A. ,,
Bhatt, B. N., Pt. B.A. All. Jr. Lectr.

Zoology
Bahl, K. N., M.Sc., D.Sc. Panj., D.Phil. Ox. Prof.
Thapar, Sardar Govind Singh, M.Sc. Panj., Ph.D. Lond. Lectr.
Bhatia, M. L., M.Sc. Lectr.
1 Demr.

Isabella Thoburn College (Women's)

Principal—Miss Mary E. Shannon, M.A.

Economics [Reader.
Reddick, Miss O. I., M.A. Columbia

English [Reader.
Tucker, Miss E. C., Ph.D. Yale

European History [Reader.
Vincent, Miss S. I., M.A. Harv.

Persian
Baij-Nath-Fiqar, Munshi Lectr,

Philosophy [Reader.
Eno, Miss Enola, Ph.D. Chicago

Sanskrit
Srivastava, R. Lectr.

Department of Commerce

Das Gupta, B. N., B.A., A.S.A.A. Reader.*
Chatterji, B. N., M.A., B.L. Calc. Reader.
Dubey, D. S., M.A., LL.B. All. (on leave) Lectr.
Pant, D., B.Com. Bom., F.S.S., F.R.E.S. (on leave) Lectr.

Law Department

Readers (Part-time): [at-Law.
*Chak, Pt. J. N., B.A. Ox., Barr.-
Husein, Hyder, B.A. Ox., LL.B. Dub., Barr.-at-Law.
Misra, J. N., B.A., LL.B. Camb., M.A., LL.D. Dub., Barr.-at-Law.
Banerji, J. K., M.A., LL.B. All.
Hajela, K. S., M.Sc., LL.B. All., LL.M. Bom.
Hasan, Ghulam, B.A. Panj., LL.B. All.

Oriental Department

Maulvi Syed Ali Asghar; Maulvi Mustafa Hasan Alavi; Pandit Ram Krishna Shastri.

GENERAL INFORMATION (v. also p. 525)

This residential and teaching Univ. was established under an Act of the Provincial Legislature passed in Nov. 1920. The authorities of the Univ. include a Court, Executive Council, Academic Council, Committee of Reference, and Faculties.

* Head of Department.

FACULTIES. Arts, Science, Medicine, Law, Commerce.

ADMISSION. Qualifications for Degree courses: Arts or Science—the Intermediate Examn. of an Indian Univ. or of the Board of High School and Intermediate Education, U.P., and the Cambridge Higher School Certificate Examn.—Certificate "A"; Law—Degree in Arts or Science; Commerce —Commerce Diploma Certif. of Allahabad or of the Panjab; Med.—Degree in Science of All., Benares, Bom., Calc., Dacca, Delhi, Mad., Mys., Panj., Patna, or Rangoon taken with Chem. and Biol. as optional subjects, or, subject to certain conditions, the Inter. or P.Sc. Examn. of All., Alig., Benares, Nagpur, or Interm. Board of Ed., U.P.

DEGREE COURSES for B.A. Pass, B.Sc. Pass, B.Com., 2 yrs.; B.A. Honours, B.Sc. Honours, 3 yrs.; M.A., M.Sc., 2 yrs. or (after B.A. Hons. or B.Sc. Hons.) 1 yr.; LL.B., 2 yrs.; M.B., B.S., 5 yrs; D.Sc., 3 yrs.; Ph.D., 2 yrs. The lectures are supplemented by tutorial work, each student being assigned to a tutor who gives him personal attention and guidance in his course of study.

DIPLOMAS. Courses in Public Health, Teaching, Arabic, and Persian.

FEES for tuition for full course: B.A., Pass, or B.Com., Rs. 216; M.A., Rs. 270; M.B., B.S., Rs. 650; B.Sc. Pass, Rs. 252; B.A. Honours, Rs. 329; B.Sc. Honours, Rs. 378; M.Sc., Rs. 150 or Rs. 300; LL.B., Rs. 240; D.Sc., Rs. 675 or Rs. 750.

RESIDENCE. Students are required, unless specially exempted, to live in hostels.

ADULT EDUCATION. A system of public lectures by members of the staff and others has been started.

THE YEAR 1925–26

BENEFACTIONS. Gifts for medal endowments: Prof. R. K. Mookerji (History), Rs. 45 p.a.; Chief Court Judge G. N. Misra, Rs. 180 p.a.; Civil Surgeon S. N. Misra, Rs. 35 p.a.

RECOGNITION was accorded by the Univ. of Bombay to all Lucknow degrees except B.Com. as equivalent to its own. NEW DEPARTMENTS, ETC.: Proposals of the Government for creating and operating at Government expense a *Provincial Pathological Centre* and an *Anti-rabic Centre* in connexion with the Univ. were approved. 7 *Research Fellowships* (whole-time) at Rs. 75 p.m. each were sanctioned with effect from Aug. 1926. NEW REGULATIONS: Privilege enjoyed by teachers of schools within 10 miles of the Univ. of appearing at the B.A. (Pass) Examn. after a certain period of service was extended to the M.A. examn. by a transitory ordinance. The Litt.D. is in future to be conferred only *honoris causâ*. Conditions for the admission of M.Sc. to candidature for the D.Sc. were stiffened (3 years of research and residence). Hindi and Urdu were admitted as subjects for the B.A. A general test (and attendance at class lectures) in English for all Arts and Science students was made compulsory, the test to be the general section of the Univ. examn. in English for the B.A. (Pass) degree. Appointment of private practitioners as Hon. Teachers in special branches was sanctioned.

TEACHERS' STUDY LEAVE, on half-pay after 3 years' service, was granted to S. K. Mukerji (Botany—London, research for D.Sc.), D. B. Deodhar (Physics—London, research), Miss A. Siret (Obstetrics—Edinburgh, London, Dublin).

STUDENTS. Full-time, total, 1147 (including women, 35); Arts and Pure Science, graduate students, 135 (w. 8); preparing for first degree, 419 (w. 26);

Medicine, grad. 25, undergrad. 198 ; Law, grad. 358 ; Commerce, undergrad. 68. Residing in hostels, 702 (w. 26). DEGREES obtained : B.A., 88 (w. 9) ; B.Sc., 42 (w. 4); M.A., 38; M.Sc., 8; M.B., B.S., 15 ; M.D., 1 ; LL.B., 124; B.Com., 24. STUDENTS' WELFARE : There was a pressing demand for additional *hostel* accommodation. In future preference is to be given, in allotting accommodation, to undergraduates: at Canning College, of 386 residents 174 were graduates. *Employment Bureau* was established with Registrar as Secretary. *Univ. Journal* was discontinued.

UNIVERSITY OF MADRAS

VISITOR—THE GOVERNOR-GENERAL OF INDIA.

CHANCELLOR—THE GOVERNOR OF MADRAS.

PRO-CHANCELLOR—THE MINISTER FOR EDUCATION.

VICE-CHANCELLOR—DIWAN BAHADUR SIR R. VENKATARATNAM, Kt., M.A.

REGISTRAR—WILLIAM MCLEAN, M.A., B.L.

UNIVERSITY PROFESSORS

Indian History and Archæology

Rao Sahib S. Krishnaswami Aiyangar, M.A., Ph.D. (Calc.)

Indian Economics

T. K. Duraiswami Aiyar, M.A., L.T. Acting Prof.

P. S. Lokanathan, M.A., Dip.Econ. Reader (Ag. Reader).

K. C. Ramakrishnan, M.A. Dip. Econ. Lectr.

GENERAL INFORMATION (v. also p. 525)

This Univ., founded in 1857, has hitherto been mainly an examining body, but has, since 1912, maintained a small teaching staff and organized special lectures by persons eminent in Arts and Science in Europe and India, and in 1923 an Act was passed for reorganizing it as a Teaching and Residential Univ., while enabling it to continue 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, Boards of Studies, and a Council of Affiliated Colleges.

From the Govt. of Madras the Univ. receives an annual statutory grant of Rs. 85,500.

FACULTIES. Arts, Science, Law, Medicine, Engineering, Teaching, Agriculture.

ADMISSION. The Matricn. examn. has been almost completely superseded by the School-Leaving Certif. scheme.

DEGREES, ETC. B.A., B.Sc., B.A. (Honours), B.Sc. (Honours), M.A., Ph.D., M.Sc., D.Sc.; B.Sc.Agr.; L.T.; B.L., M.L., LL.D.; M.B., B.S., L.M.S., B.San. Sc., M.D., M.S.; B.E.; M.O.L. (Oriental Learning).

DIPLOMAS. Titles in Oriental Learning (4 yrs.' course); Economics (part-time course—2 yrs.). CERTIFICATES of Proficiency in Oriental Learning (2 yrs.').

RECOGNITION of examns. of other Univs. is not granted in general terms. The Syndicate deals with each application on its merits.

FEES for Univ. examns. range from Rs. 12 for matricn. to Rs. 100 for higher degrees.

RESIDENCE, ETC. Minimum cost of board and lodging for students living in European style, Rs. 50 p.m., for Indians, Rs. 30. 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.

RESEARCH STUDENTSHIPS, tenable 2 or 3 yrs., value Rs. 75 to Rs. 100 p.m. FELLOWSHIPS, Rs. 150.

PUBLICATIONS. *Calendar* (July)—vol. i., Administration, Statutes, Ordinances and Regns., Syllabuses; vol. ii., Constituent and Affld. Colls., Endowments, Graduates. *Annual Report. Minutes.*

COLLEGES RECOGNIZED OR AFFILIATED IN DEGREE COURSES

Arts and Science

ALWAYE, *Union Christian College.* Principal—A. M. Varki, M.A., B.L.

CHIDAMBARAM, *Sri Minakshi College.* Principal—K. A. Nilakantasastri, M.A.

ERNAKULAM, *Maharajah's College.* Principal—S. K. Subrahmanya Aiyar, M.A., L.T.

HYDERABAD, *Nizam College.* Principal, and Prof. of *English and Ancient Hist.*—K. Burnett, M.A. Ox.

KUMBAKONAM COLLEGE (Govt.). Principal—P. V. Seshu Aiyar, B.A., L.T., I.E.S., Rao Bahadur.

MADRAS, *Christian College.* Supported by the Church and U.F. Church of Scotland and 5 other Missionary Societies. Principal—W. Meston, M.A., D.D. Professors: *Chemistry*—E. Barnes, B.Sc. *English Lang. and Literature*—F. W. Henderson, M.A.; G. Matthews, M.A., B.Litt.; W. L. Campbell, B.A.; W. Meston, M.A., D.D. (Principal); A. J. Boyd, M.A. *History*—F. E. Corley, M.A.; J. N. Anderson, M.A. *Maths.*—E. B. Ross, M.A.; W. F. Kibble, B.A. *Ment. and Mor. Sc.*—A. G. Hogg, M.A., D.Litt.; A. S. Woodburne, M.A., B.D., Ph.D.; S. J. Theodore, M.A., B.D., B.Litt.; B. E. Cornelius, M.A., B.D., Ph.D. *Phys. Sc.*—A. Moffat, M.A., B.Sc., LL.D.; J. P. Manikkam, M.A., L.T.; F. J. Symon, B.Sc. *Nat. Sc.*—C. Lakshminarayanan, M.A. 30 other Teachers.

MADRAS, *Muhammadan College* (Govt.). For Muhammadans. Principal and Lectr. in *Engl.*—E. W. Green, B.A.

MADRAS, *Pachaiyappa's College.* For Hindus. Principal, and Prof. of *Maths.*—K. Chinnatambi Pillai, B.A., L.T. (acting). 34 other Teachers.

MADRAS, *Presidency College* (Govt.). Principal, and Prof. of *Botany*—P. F. Fyson, M.A. Other Profs.: *Bot.*—M. O. Parthasarathi Ayyangar, M.A., L.T. *Chem.*—W. Erlam Smith, M.A. Ox.; B. B. Dey, D.Sc. Lond., F.I.C. *Engl.*—S. E. Ranganathan, M.A., L.T.; D. S. Sarma, M.A., L.T. *Geol.*—C. K. Krishnaswami Pillai, M.A., M.Sc. *Hist.*—M. A. Candeth, B.A., LL.B. Camb. *Maths.*—K. Ananda Rao, B.A. Camb. *Ment. and Mor. Sc.*—A. Chakravarti, M.A., L.T. *Physics*—M. C. S. Anantapadmanabha Rao, M.A., L.T.; H. Parameswaran, M.A., Ph.D., D.Sc. *Math. Phys.*—T. Surynarayan, B.A. Camb. *Economics*—J. Franco, M.A., L.T. *Sansk.*—S. Kuppuswami Sastri, M.A. *Zool.*—K. Ramunni Menon, M.A. Camb. 37 other Teachers.

MADRAS, *Loyola College.* Principal—F. Bertram, S.J., B.A., D.D.

MADRAS, *Queen Mary's College.* Principal—Miss de la Hey. 11 other Profs. and Lecturers and 6 Pandits.

MADRAS, *Women's Christian College.* Principal, and Prof. of *Ancient Hist.*, etc.—Miss E. McDougall, M.A. (on leave). Vice-Principal, and Prof. of *Phys.*—Miss E. M. Coon, M.A.

MADURA, *American College* (Mission). Principal—W. W. Wallace, M.A., B.D. Vice-Principal—Peter Isaac, B.A., L.T. Heads of Depts.: *Engl.*—James M. Hess, M.A., B.D. *Hist. and Econ.*—A. J. Saunders, M.A., B.D., Ph.D. *Physics and Chem.*—E. M. Flint, M.A., B.Sc. 24 other Teachers.

MADURA, *The Madura College.* Principal—V. R. Venkatarama Ayyar, M.A.

MANGALORE, *St. Agnes College.* Principal—Sister M. Annunciata, A.C.

MANGALORE, *St. Aloysius' College* (S.J.). Principal—Rev. L. Proserpio, S.J., M.A., D.D. 24 other Teachers.

MANNARGUDI, *Findlay College* (Wesleyan Mission). Principal, and Prof. of *Engl.*—Rev. R. Smailes, M.A. Camb. 13 other Teachers.

PALAMCOTTAH, *St. Xavier's College.* Principal—A. Lebeau, S.J.; A. Gnanapragasam, S.J., acting Principal.

PALGHAT, *Victoria College* (Govt.). G. L. Lobo, B.A. Camb., acting Principal.

TINNEVELLY, *Hindu College.* Principal—M. V. N. Subba Rao, M.A.

TRICHINOPOLY, *National College.* Principal—V. Saranatha Aiyangar, M.A.

TRICHINOPOLY, *St. Joseph's College* (S.J.). Open to all creeds and classes, but primarily for R.C.'s. Rector—A. Bonhouse. Principal—C. Leigh Profs.: *Engl.*—C. Leigh. *Bot. and Phys.*—E. Gombert. *Chem.*—A. Haas, S.J.; A. Camboulives. *Econ.*—P. Carty. *Hist.*—A. Saldanha and J. Steenkiste. *Maths.*—C. Pruvôt. *Phys.*—D. Honoré; P. E. Subrahmanya Aiyar, M.A. *French*—J. Bourdot. *Latin*—The Rector. 30 other Teachers.

TRICHINOPOLY, *Bishop Heber College.* Principal and Warden, A. F. Gardiner, M.A. 27 Profs. and Lectrs.

TRICHUR, *St. Thomas' College.* Principal—Rev. John Palocaren, M.A. Edin.

TRIVANDRUM, *Maharaja's College of Arts.* Founded 1924. Principal—Rao Bahadur, K. V. Rangaswami Aiyangar, M.A. 11 Profs. and Lectrs., 13 Tutors and Pandits.

TRIVANDRUM, *Maharaja's College of Science.* Principal, and Prof. of *Botany*—J. Pryde, M.A., B.Sc. Edin., F.L.S., acting. 43 other Teachers.

Teaching

MADRAS, *Teachers' College* (Govt.). Principal—H. Champion, M.A.

MADRAS, *Lady Willingdon Training College.* Principal—Miss J. M. Gerrard, M.A.

MADRAS, *St. Christopher's Training College.* Principal—Miss K. N. Brockway, M.A.

TRIVANDRUM, *Training College.* Principal—Rao Bahadur, K. V. Rangaswami Aiyangar, M.A. 11 other Teachers.

Law

MADRAS, *Law College* (Govt.). Principal—A. Davies, M.A., Barr.-at-Law. 12 Asst. Lecturers.

TRIVANDRUM, *Maharaja's Law Coll.* Principal—E. Jacob John, B.A., B.L. Senr. Profs.—M. K. Govinda Pillai, B.A., B.L.; M. K. Narayana Pillai, B.A., Barr.-at-Law. 8 Junr. Profs.

Medical

MADRAS, *Medical College* (subject to the authority of the Surg.-Genl. with the Govt. of Mad.). Its certifs. are recognized by the Colls. of Surgs. of Eng., Scot., and Irel. Women students are admitted free. Principal—Lt.-Col. F. F. Elwes, C.I.E., M.D., I.M.S. (on leave); Lt.-Col. C. A. F. Hingston, C.I.E., O.B.E., M.R.C.S., I.M.S. (acting). Other Professors: *Anat.*—S. Swaminatha Pillai, F.R.C.S.I. *Hyg.*—Lt.-Col. R. B. B. Foster, M.B., D.P.H., I.M.S. (on other duty); Major K. G. Pandalai, I.M.S. (Ag.). *Mat. Med.*—Capt. P. Verdon, I.M.S. (Ag.). *Medicine*—M. R. Guruswami Mudaliar, M.D. *Med. Jurispr.*—Lt.-Col. R. G. G. Croly, I.M.S. (Ag.). *Ophth.*—Major R. E. Wright, I.M.S. *Path.*—Major W. L. Forsyth, I.M.S., on leave; Lt.-Col. M. N. Chaudhuri, M.B. and C.M., I.M.S. (Ag.). *Physiol.*—Major G. E. Malcomson, M.D., D.P.H., I.M.S. (on leave); Major J. M. Skinner, I.M.S. (Ag.). *Surg.*—Lt.-Col. E. W. C. Bradfield, O.B.E., M.S., I.M.S. *Biol.*—Capt. T. S. Sastri, I.M.S. (Ag.). *Chem.*—Major C. Newcomb, I.M.S. *Bio-Chem.*—A. S. Mannadi Nayar, M.B., B.S., Ph.D. 32 Lectrs. and Assts.

Engineering

MADRAS, *College of Engineering.* Principal—..... Profs.: *Civil E.*—G. Nagarathnam Aiyer, B.A., B.E., acting Principal (N. D. Ayyar, M.A., B.E., acting); K. C. Chakko, D.Sc. (Eng.) Lond. *Mech. E.*—M. S. T. Ayyangar, B.E. (acting). *Elec. E.*—P. Subba Rao, B.A., A.M.I.E.E. Lond., A.M.I.E. Ind. (acting). *Maths.*—K. R. Ramaswami Aiyangar, M.A., L.T. *Technical Chem.*—P. Narayana Goud, M.A., B.Sc. (acting). 19 Instructors.

Agriculture

COIMBATORE, *Agricultural College and Research Institute.* Principal—R. C. Wood, M.A. (on deputation); R. C. Broadfoot, N.D.A., C.D.A. (Ag.), and 24 other Teachers and Investigators. General Scientific Officer—D. G. Munro, B.Sc.

Oriental Learning

One Sanskrit College in Madras and eighteen in other towns are recognized as qualified to provide instruction for the Oriental Titles.

THE YEAR 1925–26

BENEFACTIONS. Rs. 1600 for a medal.

STUDENTS. Full-time: total, 5365 (including 187 women); preparing for a first degree, in Arts or Pure Science, 3093 (w. 89), Medicine 543 (w. 43), Engin. 117; graduate students, Med. 9, Law 1227, Teaching 376 (w. 55). Part-time, 34. DEGREES OBTAINED: B.A., 1704 (w. 71); B.Sc., 3; B.Sc.Agr., 9; M.A., 94 (w. 6); L.T., 202 (w. 28); B.L., 374; M.L., 1; M.B., B.S., 42 (w. 5); L.M. and S., 31 (w. 3); M.D., 2; B.S.Sc., 5; B.E., 21; Ph.D., 1.

UNIVERSITY OF MYSORE

CHANCELLOR—H.H. THE MAHARAJA OF MYSORE.

PRO-CHANCELLOR—H.H. SRI NARASIMHA RAJA WADIYAR, G.C.I.E., Yuvaraja of Mysore.

VICE-CHANCELLOR—Sir BRAJENDRA NATH SEAL, M.A., Ph.D., D.Sc.

REGISTRAR—B. M. SRIKANTIA, M.A., B.L. (acting).

LIBRARIANS—N. NARASIMHAMURTHI, M.A., B.L.; R. SHAMA SASTRI, B.A., Ph.D.

CONSTITUENT COLLEGES

At Mysore

The Maharaja's College.
The Maharani's Women's College.

At Bangalore

The Central College.
The College of Engineering.
The Medical College.

PROFESSORS, ETC.

Anatomy

Seshachalam, T., L.M.S. Prof.
3 Demrs.

Archæology [Director.

Sastri, R. Shama, B.A., Ph.D.
2 Assts.

Bio-Chemistry [Hon. Prof.

Srinivasa Rao, M., M.A., M.D.

Botany [Prof.

Sampatkumaran, M.A., Ph.D.Chic.
1 Asst. Prof., 2 Demrs.

Chemistry

..... Prof.
Srinivasa Rao, M. G., M.A. Prof.
3 Asst. Profs. and 3 other Teachers.

Economics, v. also Math.

Subba Rao, N. S., M.A. Camb., Barr.-at-Law (Principal) Prof.
1 Asst. Prof., 2 Lectrs., 1 other teacher.

Education

Mohiquddin, Sultan M., M.A., LL.B., M.Ed. Prof.
1 Asst. Prof., 1 other teacher.

Engineering

Ramaswami Iyer, S. A., C.E., B.E. (Principal) Prof. (Civ. E.).
Ramaswamy, E. K., B.Sc. Lond., A.C.G.I. Prof. (Mech. E.).
Iyengar, N. N., B.A. Part-time Prof. (Elec. E.).
8 Asst. Profs., 3 Instructors.

English

Mackintosh, A. B., M.A. Ox., M.A. St. And. Prof.
Rollo, J. C., B.A. Ox., M.A. Glas. Prof.
Sell, F. R., M.A. Ox. Prof.
McAlpine, E. G., M.A. Edin. Prof.
Hensman, Mrs. S. G., M.A. Prof.
Annaji Rao, P. S., M.A., B.L. Prof. (acting).
Nanjundiah, H. S., M.A. Prof. (acting).
3 Asst. Profs., 2 Lectrs., 4 other Teachers.

French

Cochet, Father J., B.A. Lectr.
Collart, Father R. M. Lectr.

Geology

Sampat Iengar, P., M.A. Prof.
1 Lectr., 2 Demrs.

Hindustani and Persian
Aga M. Abbas Shooshtry Asst. Prof.
1 Lectr., 1 Munshi.

History
Venkatesvara Ayyar, S. V., M.A., L.T. Prof.
Sri Rukminiamma, K. D., B.A. Prof. & Supt.
2 Asst. Profs., 1 other teacher.

Kannada
Krishnappa, B., M.A. Asst. Prof.
Venkannaia, T. S., M.A., LL.B. Asst. Prof.
Krishnasastry, A. R., M.A. Asst. Prof. (acting).
4 Pandits.

Mathematics
Iyengar, K. S. K., B.A. Prof.
3 Asst. Profs., 1 Lectr., 4 other Teachers.

Mathematical Economics and Statistics
Madhava, K. B., M.A. Prof.

Philosophy, Psychology, and Logic
Wadia, A. R., B.A. Camb., Barr.-at-Law Prof.
Gopalaswamy, M. V., B.A., B.Sc., Ph.D. Lond. Prof.
2 Lectrs. and 2 other Teachers.

Physics
Metcalfe, E. P., B.Sc. Lond., F.Inst.P. (Principal) Prof.
Venkatesachar, B., M.A. Prof.
3 Asst. Profs.; 2 Lectrs.; 2 other Teachers.

Physiology [Prof. Narayana Rao, B. K., B.A., M.B., C.M., M.R.C.S., D.P.H., D.O.
1 Demr.

Sanskrit
Hiriyanna, M., M.A., L.T. Prof.
1 Asst. Prof.; 1 Lectr.; 1 Tutor; 3 Pandits.

Surgery
Subba Rao, S., B.A., M.B., C.M., L.R.C.P., M.R.C.S., D.P.H. Prof. and acting Principal.

Tamil and Telugu
4 Pandits.

Zoology [Prof. Narayana Rao, C. R., M.A., L.T.
1 Asst. Prof.; 2 other Teachers.

Medicine

Lecturers (one in each subject) in Surgery, Medicine, Midwifery, Hygiene, Mat. Med., Pathology, Jurisprudence, Ophth., Mental Diseases, Vaccination, Dental Surgery, and Infectious Diseases.

GENERAL INFORMATION (v. also p. 525)

This Univ. was founded in 1916 with two constituent Colleges, the Central Coll., Bangalore, and Maharaja's Coll., Mysore, which had for 25 yrs. been affiliated to the Univ. of Madras. To these have since been added the Women's and Professional Colleges. The executive government is vested in a Council of from 9 to 15 members, comprising the Vice-Chancellor, Inspr.-Genl. of Educn., Principals of Constituent Colls., Deans of Faculties, of Arts and Science, and member appointed by the Chancellor, or, if Govt. so direct, elected by the Senate from among its members. The Senate is charged with the organization of instruction, etc. It consists of from 40 to 70 members, including the Council, the Univ. Profs., and persons nominated by the Chancellor or elected with his approval. The capital cost of all the Univ.'s buildings amounts to Rs. 15,00,000.

LIBRARIES. Univ., 14,000 vols.; Colleges, 30,000; Sansk. and Oriental, 12,000 vols. and 10,000 MSS.

FACULTIES. Arts, Science, Medicine, Engineering and Technology. TERMS: Jan.-April, July-Dec.

ADMISSION to B.A. or B.Sc. courses is normally by Entrance examn. in English, a second language, and three other subjects. Candidates prepare for this by an *extra* yr. of study in Collegiate High Schools after completing the ordinary High School course. Admission to the B.E. course is by the Entrance examn. with Phys., Chem., and Maths.; to the B.Com. course by the Entrance examn. or corresponding examn. of any other Univ.

DEGREE COURSES. 3 yrs.—B.A., B.Sc., B.Com.; 4 yrs.—B.E. (passed candidates will be eligible to take the degree after a year's practical course in a recognized firm); 5 yrs.—M.B., B.S.; graduate course for M.A.—2 yrs., for B.T. 1 yr. after the B.A. or B.Sc. Course for M.Sc. not yet organized. The D.Lit. and D.Sc. are Honorary.

RECOGNITION OF DEGREES and examns. of other Univs.: (1) The B.A. Degree of other Indian Univs. is deemed equivalent to the B.A. of this Univ. and admits to its M.A. courses, provided the degree examns. have been passed in cognate subjects. (2) The B.A. or B.Sc. of other Indian Univs. is accepted for admission to the B.T. course. (3) The Interm. Examn. of any Indian Univ. = the 1st Year Certif. Examn. of this Univ. and admits to the 2nd year B.A. or B.Sc. class under certain conditions. (4) The B.A., B.Sc., M.A., M.Sc., and B.L. of the Dacca Univ. = the corresponding degrees of this Univ. and admit to corresponding privileges. (5) The degrees of the Lucknow Univ. = the corresponding degrees of this Univ. (6) The B.Sc. of the Aligarh Muslim Univ. = the B.A. of this Univ. for admission to higher courses in the subjects studied for the B.Sc.

RECOGNITION BY OTHER UNIVERSITIES. Calcutta: (1) B.A. and B.Sc. Mysore are admitted to Calcutta M.A. and M.Sc. courses equally with B.A. and B.Sc. Calc.; (2) holders of Mysore first year Certif. (with Physics, Chem., and Maths., *or* Zool., Geol., and Bot.) are admitted to Prelim. Scientific M.B. of Calcutta equally with students who have passed Inter.Sc. Calc.

Bombay: (1) Mysore B.A. are admitted to Bombay LL.B. course equally with B.A. Bom.; (2) Mysore first year Certif. = corresponding examn. of an Arts College affiliated to Bombay; (3) for admission to Bombay B.Com. degree examn. graduates in Arts or in Commerce of Mysore are on same footing as graduates in Arts or in Commerce of Statutory Indian Univs.

Madras: (1) recognition similar to Bombay (1); (2) Mysore B.A. (Science) and B.Sc. who have taken Physics, Chem., Biol., or Maths. for degree course are admitted to Madras medical courses.

Panjab: Mysore B.A. and B.Sc. are admitted to post-graduation study equally with B.A. and B.Sc. Panj.

Benares: (1) recognition similar to Calcutta (1); (2) First Year Cert. Examn. = Interm., Benares; (3) Mysore Entrance = Benares Admission; (4) Mysore First Year with Maths., Physics, and Chem. is accepted for admission to B.Sc. Engin., Benares.

Lucknow: Mysore degree examns. = those of Lucknow.

Dacca: Mysore degree = corresponding Dacca degree for admission to courses of study for degrees. This does not apply necessarily to degrees with honours.

Aligarh: all Mysore examns. are recognized. See also p. 106 and Appendix XXIII., *Oxford, Cambridge, and Scottish Univs.*

The Univ. has been approved by the Council of Legal Education for purposes of admission to the Inns of Court of London.

INSPECTION OF SCHOOLS recognized by the Univ. is done by Profs. deputed by the Council.

SCHOLARSHIPS for graduates, 6 of Rs. 20 p.m. and 6 of Rs. 15, including several for students belonging to "backward communities."

FEES for courses for Bachelorship, Rs. 60 p.a. (B.E., Rs. 100); M.B., B.S., Rs. 200.

RESIDENCE. Hostels at Colleges. Cost of living ranges from Rs. 252 to 312 p.a. at Mysore; Rs. 276 at Bangalore.

An APPOINTMENTS BUREAU and a STUDENTS' INFORMATION BUREAU are maintained.

PUBLICATION. *Calendar* (Oct.), including examn. papers.

THE YEAR 1925–26

BENEFACTIONS. By way of endowments: Messrs. Volekar Thimayya and Chicka-Thimayya, Rs. 1200; late Chinnakatte Halappa, Rs. 1324; friends of D. Kongadiappa, Rs. 1000; B. S. Krishnaswamiengar, Rs. 5000. *For Medical Faculty Fund*: Anonymous, Rs. 1100; H.H. the Yuvaraja of Mysore, Rs. 3000.

NEW EQUIPMENT. Re-erection of Gas Plant in the College of Engineering at a cost of about Rs. 7500. Expenditure on Laboratory Equipment in the several colleges during the year amounted to—Maharaja's, Rs. 7889; Central, Rs. 44,746; Engineering, Rs. 22,290; Medical, Rs. 6800.

NEW COURSES AND POSTS. The B.T. course in the Maharaja's College and the Electrical Engineering Course were started. 1 Prof., 1 Asst. Prof., and 1 Tutor were appointed for the B.T. course and 2 Asst. Profs. for the Electrical Engineering course.

RETIREMENT. M. T. Naraniengar, Prof. of Mathematics. LEAVE, ETC.: Dr. Usher of Central College was granted leave, and permitted to accept Readership in the Leeds Univ. and to resign his appointment here. Dr. H. B. Mylvaganam, Principal, Medical College, was granted leave prior to retirement. The services of N. S. Subba Rao, Principal, Maharaja's College, and Prof. of Economics, were lent to the Govt. of India for appointment as member of the Second Tariff Board to enquire into the Cotton Textile Industries. RESIGNATION: K. V. Srikantesvaran, Temporary Lectr. in Maths. in the Maharaja's College, having secured a rank in the I.C.S. Examination of the Govt. of India.

STUDENTS. Full-time: total, 262 (including 5 women); graduates, 85; preparing for first degree, in Arts and Pure Sc., 322 (w. 3); in Engineering, 40. Resident in colleges, 262 (w. 5).

DEGREES OBTAINED. B.A., 141 (w. 1); B.Sc., 42 (w. 1); B.Com., 2; M.A., 17; B.T., 22; B.E., 27.

NAGPUR UNIVERSITY

VISITOR—THE GOVERNOR-GENERAL OF INDIA.

CHANCELLOR—THE GOVERNOR OF THE CENTRAL PROVINCES.

VICE-CHANCELLOR—RAI BAHADUR SIR B. K. BOSE, K.C.I.E., M.A., B.L.

TREASURER—RAO BAHADUR V. M. KELKER, M.A.

REGISTRAR—M. A. MOGHE, M.A., M.Sc., F.Z.S.

UNIVERSITY COLLEGE

LAW COLLEGE, NAGPUR. Principal—V. Bose, B.A., LL.B. Camb., Barr.-at-Law. Lectrs.—A. V. Wazalwar, B.A., LL.M. Bom.; K. K. Gandhe, B.A., LL.B. All.; D. W. Kathaley, B.A., LL.M., Advocate; and U. D. Pathak, M.A., LL.M.

OTHER COLLEGES ADMITTED TO THE PRIVILEGES OF THE UNIVERSITY

MORRIS COLLEGE, NAGPUR (M).*

HISLOP COLLEGE, NAGPUR (H).*

ROBERTSON COLLEGE, JUBBULPORE (R).*

VICTORIA COLLEGE OF SCIENCE, NAGPUR (V).*

SPENCE TRAINING COLLEGE, JUBBULPORE (T).*

KING EDWARD COLLEGE, AMRAOTI (K).*

AGRICULTURAL COLLEGE, NAGPUR (A).*

TEACHING STAFF

Agriculture

Allan, R. G., M.A., Dip. Ag. Camb. [(A).
Phatak, B. R., B.Ag. (Poona) (A).
Takle, L.Ag., N.D.D. (A).
Subba Rao, B., L.Ag. (A).
Kartar Singh, L.Ag. (A).
Mishra, S. K., L.Ag. (A).
Dhanna Lal, L.Ag. (A).
Shrivastava Hiralal, L.Ag. (Poona) (A).

Arabic and Persian

Aga-Hyder-Hasan, Syed, M.A. All. (K).
Taqui, S. G., M.A. (R).
Iqbal Hussain, Quazi Syed, M.A. Panj. (M).
Ghani, M. A., M.A., M.Litt. Camb. (M).

Botany and Zoology

Pandit, B. R., B.Sc. All., M.Sc. Bom. (H).
Mahta, D. N., B.A. Ox., F.L.S. (A).
Gour, Ramdeen, B.Sc. All. (H).
Dastur, J. F., M.Sc., D.I.C. (A).
Shrivastava, K. P. (A).
Dave, B. K., L.Ag. (A).
Nair, P. D., L.Ag. (A).
Bhalerao, G. D., M.Sc. (H).

Chemistry

Mukerji, B., B.A., B.Sc. Camb. (Physics also) (V).

* (M), (H), etc.: symbols for reference to the Colleges.

Buxy, T. K., M.A., F.C.S. Lond. (V).
Tamhankar, G. R., M.Sc. (R).
Beckett, R. H., B.Sc. Lond. (V).
Godbole, S. N., M.Sc. All. (V).
Surey, L. S., M.Sc. All. (K).
Kale, V. D., B.Sc. All. (H).
Gokhale, L. K., M.Sc. (Physics also) (V).
Chandorker, D. V., M.Sc. All. (Physics also) (V).
Annett, H. E., D.Sc. Lond. (A).
Iyer, A. R. P., B.A. (A).
Bal, D. V., L.Ag. (A).
Kayasth, R. N., M.Sc., B.Ag. Poona (A).
Guha, S. K., M.Sc. (A).
Kulkarni, J. W., M.Sc. (V).
Paranjpe, D. R., M.Sc. (V).

Economics, v. also Botany

Nanavati, M. H., M.A., LL.B. Bom. (K).
Naidu, V. S., M.A. Mad. (R).
Prentice, J. S., B.A. (H).
Sen Gupta, A. C., M.A. Edin. (M).
Dadachanji, B. E., M.A. (M).
Ranade, N. S., M.A. (H).

Education

Macnee, E. A., M.A., Principal (on leave) (T).
Ghosal, S. C., B.A., B.Sc., LL.B. All. (T).
Hari Ram, B.A. (T).
Tamaskar, G. D., M.A. (T).
Kanetkar, G. G., M.A. (T).
Jog, T. B., B.A., L.T. All. (T).

English and History

Tostevin, F. P., M.A. Ox. (K).
Fernandes, T., M.A. All. (K).
Sells, A. C., O.B.E., M.A. Ox. (English) (R).
Rowlands, W. S., B.A. Ox. (English and Philos.) (R).
Verma, Sheo-Prasad, M.A., Ph.D. (English) (R).
Naolekar, N. R., M A. (Sansk. and English) (R.)
Jwala Prasad, M.A. (Philos. and English) (R).
Pande, K. D., M.A. (Maths. and English) (R).
Gardiner, T. W., M.A. Camb. (H).
Patel, K. P., M.A. Bom. and Lond. (Maths. and English) (K).
Hoyland, J. S., M.A. Camb. (H).
Gadre, B. N., M.A. All. (H).
Cheshire, F. M., B.A. Camb. (M).
Ranganatham, N., B.A. Mad. (English) (M).
Ganguli, N., M.A. All. (English) (M).
Chordia, S., M.A. All. (English) (M).
Narayan, Hirde, M.A. Panj. (M).
Powar, B. L., M.A. All. (R).
Colaco, D. S., M.A. Mad. (English) (K).
Madan, Gopal, M.A. All. (English) (M).
Sinha, H. N., M.A. All. (M).
Karkarey, S. B., M.A., LL.B. All. (A).
Paul, J. N. W., M.A. All. (R).
Ghosh, M., M.A. All. (M).
Mitra, M. N., M.A. Dacca (R).
Potee, K. L., M.A. (H).
Moses, D. G., M.A. Mad. (H).

Entomology

Khare, J. L., F.E.S. Pusa. (A).

History

Hunter, G. R., M.A. Ox. (M).
Watchmaker, B. K., M.A. (R).

Indian Vernacular Languages

19 members of staff who also teach other subjects.

Law, v. *supra*—Univ. College

Mathematics, v. also English

Belekar, S. B., M.A. Bom. (M).
Mone, T. V., M.A. (R).
Garde, G. K., M.A. (H).
Dhar, S. C., D.Sc. Calc. (V).
Agnihotri, G. P., B.Sc. All. (Physics also) (H).

* (M), (H), etc. : symbols for reference to the Colleges.

Verma, A. C., M.A. All. (R).
Iyer, K. S. S., B.E. Mysore (Survey also) (A).
Raghavacharier, V., B.A. Mad. (V).

Modern European and Classical Languages

7 members of the staff who also teach English and History.

Philosophy, v. also Engl.

Ramanthan, P. S., M.A. Mad. (K).
Raju, J. B., B.Sc. Ox. (M).
Mukerji, J. N., M.A. Calc. (M).
Robertson, A., M.A. Aberd. (H).

Physics, v. also Chem., Maths.

De, M. L., M.A. Calc. (R).
Matange, D. G., M.Sc. All. (R).
Owen, M., M.Sc. (V).
Deoras, R. S., M.Sc. All. (V).
Thatte, V. N., M.Sc. All. (K).
Ranade, Y. B., M.Sc., L.T. All. (K).
Dabadghas, V. M., M.Sc. (V).
Banerji, S. K., B.Sc., L.T. (R).

Sanskrit, v. also English

Telang, H. K. S., M.A. (K).
Somalwar, S. G., M.A. All. (H).
Rampratap Shastri (M).
Mirashi, V. V., M.A. Bom. (M).
Jain, H. B., M.A., LL.B. All. (K).
Joshi, G. D., M.A. (Marathi also) (M).

Veterinary Science

Shukla, P. A. (A).
Nair, P. S. (A).

* (M), (H), etc.: symbols for reference to the Colleges.

GENERAL INFORMATION (v. also p. 525)

The University was established in 1923. The colleges (except the Agricultural College) were formerly affiliated to the Univ. of Allahabad. The authorities of the Univ. are the Court, Executive Council, Academic Council, Faculties, and Boards of Studies. The Univ. does not hold a Matriculation Examn, but admits students who have passed (*a*) the Final Examn. of the Central Provinces Board of High School Education, or an examn. recognized (with the consent of the Govr.-Genl.) as equivalent thereto, (*b*) the Matricn. Examn. of an Indian Univ.

FACULTIES. Arts, Science, Law, Education, and Agriculture.

DEGREES. B.A., B.Sc., B.Ag., M.A., M.Sc., D.Sc., LL.B., LL.M., LL.D.

PUBLICATIONS. *Calendar, Annual Report, Annual Book of Minutes.*

THE YEAR 1925–26

BENEFACTIONS. Rao Br. M. B. Kinkhede, Rs. 17,400, for an educational endowment in memory of his father; Dewan Br. Ballab Das of Jubbulpore, Rs. 6500, to found a Science scholarship; Ruling Chief of Korea State, Rs. 5000, for the Library; 2 gold medals (Arts and Hindi); 2 silver challenge cups (Cricket and Tennis).

NEW BUILDINGS. The new Univ. Office and Convocation Hall building (Rs. 2,50,000) to be formally opened in Jan. 1927, when the Library Building (Rs. 80,000) is expected to be ready also.

OTHER IMPORTANT CHANGES. The syllabus of LL.M. Examn. was prescribed, and the first examn. will be held in Dec. 1927.

STUDENTS. Full-time, total, 1583; preparing for a first degree, 1205; graduate students, 378.

DEGREES CONFERRED (1926). M.A., 20; M.Sc., 2; LL.B., 45; L.T., 19; B.A., 77; B.Sc., 31.

OSMANIA UNIVERSITY, HYDERABAD, DECCAN

PATRON—HIS EXALTED HIGHNESS THE NIZAM, G.C.S.I., G.C.B.E.

CHANCELLOR—NAWAB WALI-UD-DAULAH BAHADUR.

VICE-CHANCELLOR—Educational Member, Executive Council.

PRINCIPAL—MOHAMMED ABDUR RAHMAN KHAN, B.Sc. Lond., A.R.C.Sc.

REGISTRAR—H. A. ANSARI, B.A. All.

CONSTITUENT COLLEGE—Osmania University College.

PROFESSORS, ETC.

Botany

Saiduddin, B.Sc. Bom. Asst. Prof.

Chemistry

Muzaffaruddin Qureshi, M.Sc. Panj., Ph.D. Berlin Prof.

Mahmood Ahmed Khan, B.Sc. All. Asst. Prof.

1 Demr.

Economics

..... Prof.

Mohd. Elias Burney, M.A., LL.B. All. Asst. Prof.

H. Rahman, M.A., LL.B. All. Asst. Prof.

English

H. Ali Khan, B.A. Ox. Prof.

Speight, E. E., B.A. Lond. Prof.

Syed Abdul Latif, B.A. Mad., Ph.D. Lond. Prof.

M. Rahimuddin, M.A. Bom. Asst. Prof.

History [Prof.

Haroon Khan Sherwani, B.A. Ox.

..... Prof.

Ibn-i-Hasan, M.A. All. Asst. Prof.

Mohd. Jamilur Rahman, M.A. Panj. Asst. Prof.

K. C. Roy-Saksena, M.A. All. Asst. Prof.

Abdul Majid, M.A. Asst. Prof.

Languages (Ancient and Modern)

Wahiduddin Salim (Urdu) Prof.

Abdul Haq, B.Litt., D.Phil. Ox. (Arabic)

Mohd. Nizamuddin, Ph.D. Camb. (Persian) Prof.

Asst. Profs. :

Syed Ghulam Nabi (Arabic).

Abdul Hai (Arabic).

Syed Ibrahim (Arabic).

Abdul Hamid Khan (Persian).

Syed Sajjad Husain, M.A. All. (Urdu).

..... (Marathi).

T. R. Rama Rao, B.A. Mad. (Kanarese).

R. Subba Rao (Telugu).

Hari Har Shastri (Sanskrit).

Dhareshwar, G., B.A. (Sanskrit).

Mathematics

Quazi Mohd. Husain, M.A. Panj., B.A., LL.B. Camb. Prof.

Kishan Chand, M.A. Camb. Prof.

Sh. Barkat Ali, M.A. Asst. Prof.

..... Asst. Prof.

Philosophy

Khalifa Abdul Hakim, M.A., LL.B. Panj., Ph.D. Freiburg Prof.

Abdul Bari Asst. Prof.
M. W. Rahman, M.A. Panj. Asst. Prof.

Physics

Abdur Rahman Khan, B.Sc. Lond. Prof.
Wahidur Rahman, B.Sc. Calc. Prof.
Nasir Ahmed, M.A., B.Sc. All. Asst. Prof.
1 Demr.

Theology

Manazir Ahsan Gilani Asst. Prof.

Zoology

Babar Mirza, B.Sc. Asst. Prof.
Abdul Bari, B.Sc. All. Acting Asst. Prof

Faculty of Muslim Theology

Abdul Qadir Siddiqi Prof.

Asst. Profs. :
Sher Ali (Philosophy of Islam).
Mufti Abdul Lateef (Quran).
Shah Mustafa Qadiri (Islamic Law).
Abdul Wasay (Traditions).
Syed Ahmed Husain (Logic).
M. Sibgatullah (Koranic Exegesis).
Abdul Maqtadir (Moslem Law).

Faculty of Law

Hosain Ali Mirza, Barr.-at-Law Prof.
Akbar Ali Musavi, B.A., LL.B. Bom. Asst. Prof.

GENERAL INFORMATION (v. also p. 525)

The University was established by a Firman (Order) of H.E.H. the Nizam, in April 1917. Actual tuitional work began in Aug. 1919, with the opening of the College. It differs from the other Univs. of India in that instruction throughout the college courses is imparted through the medium of Urdu, English being taught as a compulsory Second Language, while in other Univs. the medium of instruction is English. The Bureau of Translation which came into existence in Sept. 1917 has provided in Urdu all books required for the Interm. and B.A. examns. The executive government of the Univ. is in the hands of a Council consisting of 11 members. The organization of instruction rests with the Faculties and the Senate, which consists of from 40 to 60 members, including the Council, Univ. Profs., and representatives of graduates and Faculties. The Univ. is entirely financed by the State at an annual cost of £64,420.

LIBRARY. 21,691 vols., 802 MSS. The Staff have also access to the large Asafia Library.

BUREAU OF TRANSLATION. Curator, Md. Enayatullah, B.A., 17 Translators, Assts. and Advisers. Books published, 90; in preparation, 61.

FACULTIES. Arts (including Science), Law, and Islamic Theology. Faculties of Engineering and Medicine to be established in 1928.

TERMS. July to Dec. and Jan. to April.

The Univ. holds a MATRICULATION examn., but the Matricn. examns. of other Univs., the Senior Oxford and Cambridge Local examns. and the State H.S.L.C. examn. are accepted as equivalent. The B.A. COURSES extend over 4 yrs., with an Interm. examn. at the end of 2 yrs. The Interm. examn. of other Indian Univs. is accepted as equivalent to this. M.A. and LL.B. courses cover each 2 yrs. after graduation. The B.A. in Theology requires a 4 years' course in English, Philosophy, and Muslim Theology.

FEES. Interm.—Rs. 60 p.a.; B.A.—Rs. 80 p.a.; M.A.—Rs. 100 p.a.; LL.B.—Rs. 80 p.a.

RESIDENCE. 4 hostels attached to the College. Cost of living about Rs. 180 p.a.

PUBLICATIONS. *Calendar, Annual Administration Reports.*

THE YEAR 1925–26

NEW DEPARTMENT, ETC. A Bureau of Medical Translations under Major Farhat Ali, B.A., M.B., Ch.B. Edin., in preparation for new Faculty of Medicine. Arrangements were also made for translation of books on Engineering. Professors of Arabic and Persian and in the Faculty of Theology were appointed.

RRTIREMENTS. Prof. N. G. Welinkar, Asst. Prof. Ashraf Shamsi. STUDY LEAVE was granted to Asst. Prof. Baber Mirza, who went to Germany for 3 years. Dr. Kh. Abdul Hakim, Asst. Prof. of Philosophy, who went to Germany on study leave returned after taking the Ph.D. degree at Freiberg Univ.; Wahidur Rahman, Asst. Prof. of Physics, who went to England on study leave returned. RESIGNATIONS, ETC.: C. N. Joshi (reverted to original appointment in British India); Ziauddin, Asst. Prof. of Maths. (to go to England for higher studies in Engineering); Najmul Huda.

STUDENTS. Full-time: total, 753 (including 15 women); preparing for a first degree, in Arts or Pure Science, 262 (women 4); Theology, 8; graduate students, Arts, etc. 39, Law 58, Theol. 2; other full-time students, Arts, etc. 386 (w. 11), Theol. 15. Resident in hostels, 218. Part-time, 13. DEGREES OBTAINED: B.A. (Arts), 79 (w. 1); B.Sc. (Theol.), 1; M.A., 4; LL.B., 30.

THE UNIVERSITY OF THE PANJAB, LAHORE

PATRON—H.E. THE GOVERNOR-GENERAL OF INDIA.

CHANCELLOR—THE GOVERNOR OF THE PANJAB.

VICE-CHANCELLOR AND CHAIRMAN OF THE SYNDICATE—The Hon. Sir GEOFFREY FITZHERVEY DE MONTMORENCY, B.A., K.C.V.O., C.I.E., O.B.E.

DEAN OF UNIVERSITY INSTRUCTION—A. C. WOOLNER, M.A., C.I.E.

REGISTRAR—P. N. DUTT, B.A., R.B.

JOINT REGISTRAR—ISHWAR DAS, M.A., LL.B.

TEACHING STAFF

[(U.) = maintained entirely by the Univ.]

Arabic, v. also Persian

Md. Shafi, B.A. Camb., M.A. Prof. (U.).
Mohammad Iqbal, M.A., Ph.D. Prof.
Sadr-ud-din, D.Litt. Lectr.
Asghar Ali, M.O.L. Lectr.
Najm-ud-Din Lectr.

Botany

Shiv Ram Kashyap, B.A. Camb., M.Sc., Rai Sahib, I.E.S. Prof.
Chaudhuri, H., D.Sc. Reader (U.).
Mehr Chand Sethi, M.Sc. Lectr.
Mohan Lal Sethi, M.Sc. Lectr. (U.).
Amar Nath Sawhney, M.Sc. Demr. (U.).

Chemistry, Physical

Bhatnagar, S. S., D.Sc. Prof. (U.).
Dunnicliff, H. B., M.A., Sc.D., F.I.C., I.E.S. Prof.
Yajnik, N. A., M.A., A.I.C. Lectr.
Sri Krishan, Ph.D. Reader (U.).

Economics [Prof. (U.).

Myles, W. H., M.A. Edin.

College Profs. co-operating :

Sondhi, G. D., M.A., I.E.S.
Brij-Narain, M.A.
Lucas, E. D., M.A., D.D., Ph.D.

History

..... Prof. (U.).

Mathematics [Prof. (U.).

Rao, C. V. H., B.A. Camb., M.A.
Chowla, G. S., M.A. Camb. Prof.
Devi Dyal, B.A. Lectr.
Hem Raj, M.A. Lectr.
Samuels Lal, P., M.A. (Reader in Astronomy) Lectr.
Ganguly, A. N., M.A. Lectr.

Persian

Md. Iqbal, M.A., Ph.D. Prof. (Arabic and Persian).
Maitra, K. M., M.A. Calc. Lectr.
Fazl-i-Haqq, Q., M.A. Lectr.
Ismail, M., M.A. Calc. Lectr.
Abdul Aziz, M. Lectr.
Muhammad-Shirani Lectr.

Sanskrit

Woolner, A. C., M.A. Ox. P'pal, Oriental Coll. (U.).
Lakshman Sarup, M.A., D.Phil. Ox. Prof.
Raghubar Dayal, M.A., M.O.L. Lectr.
Gulbahar Singh, M.A., LL.B. Lectr.
Sarkar, M. K., M.A. Lectr.
Veda Vyasa, M.A. Lectr.

Zoology
G. Matthai, M.A., I.E.S. Prof.
Diwan Anand Kumar, M.A. Camb. Reader (U.).
Bihari Lal Bhatia, M.Sc. Lectr.
Bawa Balwant Singh, M.Sc. Demr. (U.).

UNIVERSITY COLLEGES

ORIENTAL COLLEGE, LAHORE. Principal—A. C. Woolner, M.A. Vice-Principal—Md. Shafi, M.A.

LAW COLLEGE, LAHORE. Principal—C. L. Anand, M.A., LL.B. Lond., Barr.-at-Law (acting). Lectr.—Rahim Bux, M.A., LL.B. 8 Part-time Lectrs.

GENERAL INFORMATION (v. also p. 525)

Established in 1882, the University confined its activities, until recently, mainly to examinations, the control of affiliated institutions, and the provision of instruction in its Oriental and Law Colleges. It has since 1919 undertaken the maintenance of Professors and Readers and co-ordination of higher teaching in other subjects. Honours Schools in Arabic, Sanskrit, Persian, Botany, Zoology, Maths., and Chemistry, a combined Honours School in English, History, Economics, and Philosophy, and post-graduation teaching in Economics have been instituted in Lahore; and senior teachers in the local colleges, partially relieved of routine work, have supplemented the teaching of Univ. Profs. and Readers.

LIBRARY, 54,000 vols. (arranged on Dewey Decimal system). Chemical LABORATORY. Astronomical OBSERVATORY.

FACULTIES. Oriental, Arts, Law, Medicine, Science, Agriculture, Commerce.

DEGREES. B.A., M.A., D.Lit.; B.Sc., M.Sc., D.Sc.; B.Sc. (Agr.), M.Sc. (Agr.); LL.B., LL.D., LL.M.; M.B., B.S., M.S., M.D.; B.T.; (in Oriental Learning) B.O.L., M.O.L., D.O.L.

Diploma in Commerce (2 yrs.' course). In the Faculty of Oriental Learning a 2 yrs.' course from Matricn. leads to an Interm. examn., and further courses of 2 yrs., 1 yr., and 2 yrs. to the B.O.L., M.O.L., and D.O.L. successively. Examns. are also held for Proficiency, High Proficiency, and Honours in Arabic, Sanskrit, and Persian. Honours admit to the Oriental titles: Maulvi Fazil (Arabic), Shastri (Sanskrit), and Munshi Fazil (Persian); and High Proficiency to Maulvi Alim, Visharada, and Munshi Alim. Similar examns. are held in Urdu, Hindi, Panjabi, and Pashto.

The B.T. is open to any one who after graduating in any faculty other than the Oriental has undergone a 1 yr. course at an Affiliated Training Coll., or any trained S.A.V. graduate teacher not less than eighteen months after his passing the S.A.V. examn.

RECOGNITION OF OTHER INSTITUTIONS. An equivalent examn. of any recognized Univ. may be accepted in lieu of Interm. Arts or Science, B.A. or B.Sc., for the purposes of admission to a higher examn.

SCHOLARSHIPS FOR GRADUATES. Several of from Rs. 20 to Rs. 25 p.m. for 2 yrs. in Oriental Studies, Arts, and Science. Research studentships tenable for from 2 to 4 yrs. in Oriental Hist., Sanskrit, Pali or Prakrit, Arabic, Panjabi, Science.

RESIDENCE. Undergraduates in Lahore Arts Colleges are ordinarily required to reside in College Hostels or in hostels recognized by the Univ.

PUBLICATION. *Calendar* (Sept.), Rs. 5/8/0.

AFFILIATED COLLEGES RECOGNIZED IN DEGREE OR DIPLOMA COURSES

[B.A., M.A., etc.—A., B., C., E., Ec., G., H., M., Ph., Ps., S., Z. = Affiliated up to B.A., M.A., etc. in Arabic, Botany, Chemistry, English, Economics, Geology, History, Maths., Philos., Physics, Sanskrit, Zoology.]

Medical

LAHORE, *Medical College* (Govt.). M.D., M.S., M.Sc.—Physiol. Class accommodation for 510 Degree students. Principal, and Prof. of *Surgery*—Lt.-Col. H. H. Broome, M.B., F.R.C.S. Eng., I.M.S. Other Profs.: *Anat.*—Major P. B. Bharucha, D.S.O., O.B.E., L.M. & S. Bom., F.R.C.S., I.M.S.; *Med.*—Lt.-Col. D. W. Sutherland, C.I.E., M.D., C.M. Edin., F.R.C.P., I.M.S.; *Forensic Med.*—Civ. Surgeon, Lahore; *Hygiene*—The Asst. Dir. of Public Health; *Clinical Med.*—Major J. J. Harper Nelson, O.B.E., M.D., F.R.C.S. Edin., I.M.S.; *Mental Dis.*—Capt. C. J. Lodge Patch, L.R.C.P., L.R.C.S. Edin., I.M.S.; *Midwifery*—Lt.-Col. G. Tate, B.A., M.B. Dublin, L.M. Rotunda, I.M.S.; *Path.*—Lt.-Col. H. M. Mackenzie, M.B. Edin., D.P.H. Camb., I.M.S.; *Physiol.*—Major T. A. Hughes, M.A., M.D. Dublin, M.R.C.P., I.M.S.; *Mat. Med.*—Major V. R. Mirajkar, F.R.C.S., I.M.S.; *Operative Surgery*—Major R. H. Bott, C.I.E., M.B., B.S. Lond., F.R.C.S., I.M.S.; *Dis. Eye, Ear, and Throat*—Major A. M. Dick, C.B.E., M.B., Ch.B. Edin., M.R.C.S., L.R.C.P. Lond., F.R.C.S. Eng., I.M.S.; *Pharmacology*—Major D. H. Rai, M.D. Edin., I.M.S.

DELHI, *Lady Hardinge Medical College for Women*. M.B., B.S. Principal—Miss G. J. Campbell, M.D., Ch.B. Glas.

Teaching

LAHORE, *Central Training College* (Govt.). B.T. Principal—J. E. Parkinson, M.A. Vice-Principal—R. H. Whitehouse, D.Sc.

Agriculture

LYALLPUR, *Agricultural College* (Govt.). M.Sc.Agr. Research Depts. in Agr., Bot., Chem. Principal, and Prof. of *Agr. Engineering and Land Surveying*—T. A. Miller Brownlie, C.E., M.I.M. & C.E. Prof. of Agr.—H. R. Stewart, D.I.C. Lond., N.D.A. Prof. of *Chem.* and Chem. Adviser to Govt.—P. E. Lander, M.A. Camb., D.Sc., A.I.C.

Arts and Science

AMRITSAR, *Khalsa College*. M.A.—Ec., Maths., E. Large Collegiate School attached. Principal—Man Mohan, M.A. 17 other Profs. and 6 Lecturers.

BAHAWALPUR, *Sadiq-Egerton College* (Intermediate). Principal—M. A. Zahidie, B.A.

JAMMU, *Prince of Wales College*. M.A.—Ec.; M.Sc.—G. Principal, and Prof. of *Economics* and *English*—Fram. M. Dadina, M.A. Camb., Barr.-at-Law. *Geol.*—B. K. Bose, M.Sc.

LAHORE, *Dayanand Anglo-Vedic College*. M.A.—Ec., S. 650 resident and 550 other students. Principal, and Prof. of *Chem.*—Lala Sain Das, M.A. Calc., B.A. Camb.

LAHORE, *Dyal Singh College*. M.A.—M., Ph. Principal, and Prof. of *Maths.*—Hem Raj, M.A.

LAHORE, *Forman Christian College*. M.A.—E., Ec., H., M., Psych.; M.Sc.

—M., C. Supported and controlled through Board of Trustees by Panjab Mission of American Presb. Church. Has a Dept. of Indust. Chem. Principal, and Prof. of *Econ.*—E. D. Lucas, M.A., D.D., Ph.D. Columbia.

LAHORE, *Government College.* M.A.—A., C., E., Ec., H., M., Ph., Ps., S.; M.Sc.—B., C., M., Ps., Z. Principal, and Prof. of *Physics*—A. S. Hemmy, M.Sc. Melb., B.A. Camb. Profs. of *Arabic*—M. Sadr-ud-din, D.Litt.; *Bot.*—Shiv Ram Kashyap, B.A. Camb., M.Sc., Rai Sahib; *Econ.*—G. D. Sondhi, B.A. Camb.; *English*—J. R. Firth, M.A.; *Hist.*—H. L. O. Garrett, M.A. Camb.; *Maths.*—Gopal Singh Chawla, M.A. Panj. and Calc., B.A. Camb., R.B.; *Zool.*—G. Matthai, M.A. Camb., M.Sc.; *Chem.*—H. B. Dunnicliff, M.A., Sc.D., F.I.C.; *Philos.*—G. C. Chatterji, M.A.; *Sansk.*—Gulbahar Singh, M.A., LL.B.

LAHORE, *Islamia College.* M.A.—A., Ph., Ec. For Muhammadans. Principal, and Prof. of *Engl.* and *Econ.*—M. Abdullah Yusuf Ali, M.A., LL.M. Profs. of *Arabic*—M. Asghar Ali, M.O.L.; *Philos.*—Abdul-Hamid, M.A.

LAHORE, *Sanatana Dharma College.* M.A.—Sanskrit and Economics. Principal, and Prof. of *Sansk.*—Raghubar Dayal Shastri, M.A., M.O.L. Prof. of Economics—Brig Narain, M.A.

LAHORE, *Kinnaird College for Women.* Principal, and Prof. of *Econ.*—Miss E. M. Edwards, M.A. Liv.

LAHORE, *College for Women.* Acting Principal—Miss S. M. Harrison, M.A. Ox., A.I.C.

PATIALA, *Mohindra College* (State). No fees. M.A.—M., Ph. Principal—A. K. Sharma, M.A. Prof. of *Maths.*—Bhagat Ram, M.A., LL.B.

PESHAWAR, *Edwardes College.* B.A.—A., E., Ec., H., M., Ph., S., Persian. Principal, and Prof. of *English*—Rev. R. H. Noble, M.A.

PESHAWAR, *Islamia College.* For Muhammadans. 4 miles from Peshawar. Residential. Large Collegiate School attached. B.A.—A., C., E., Ec., H., M., Persian, Ph.; B.Sc.—E., B., C., Ps. Principal, and Prof. of *English and Economics*—H. Martin, O.B.E., M.A. Ox.

RAWALPINDI, *Gordon Mission College.* Principal, and Prof. of *Biology*—R. R. Stewart, M.A., Ph.D.

SIALKOT, *Murray College.* Maintained by Panjab Mission of Church of Scotland. B.A.—A., E., Ec., H., M., Persian, Ph., S. Principal, and Prof. of *Engl.*—Rev. J. Garrett, M.A. 10 other Profs.

SRINAGAR, *Sri Pratap College* (State). M.A.—M., Ph., S. Principal, and Prof. of *Engl.*—L. MacDermott, B.A.

THE YEAR 1925. An honours school in Technical Chemistry was instituted. Rs. 47,000 was spent on further equipment of Chemical Laboratory. A Reader in Organic Chemistry was appointed. The Oriental College was built at a cost of Rs. 1,06,990. STUDENTS: Full-time: Arts and Pure Science, graduates, 279 (including 7 women), undergrad. 2472 (w. 27); Medicine, undergrad. 544 (w. 61); Law, graduates, 512; Agric., grad. 1, undergrad. 169. Resident in colleges or hostels, 5129. Part-time: Arts, etc., 92. DEGREES conferred: B.A., 551 (w. 15); B.Sc., 118; M.A., 69 (w. 2); B.T., 65; M.Sc., 27; LL.B., 281; B.Sc.(Ag.), 25; M.B., B.S., 91 (w. 10); M.D., 2; D.Sc., 1. HONORARY DEGREE: *D.Lit.*—Sir John Maynard.

PATNA UNIVERSITY

CHANCELLOR—THE GOVERNOR OF BIHAR AND ORISSA.

VICE-CHANCELLOR—S. SULTAN AHMED, Barr.-at-Law.

REGISTRAR—MAHESHWAR PRASAD, B.A. All.

UNIVERSITY READERS, 1926–27

Megh Nad Saha, D.Sc. (Sub-Atomic Thermodynamics).

G. S. Sardesari, B.A. Bombay (The Marathas and their part in Indian History).

A. P. Banarji Sastri, M.A. Calc., D.Phil. Ox. (Early Inscriptions of Bihar and Orissa).

GENERAL INFORMATION (v. also p. 525)

Founded Oct. 1, 1917. Most of the teaching is conducted in the "admitted" Colleges, v. *infra*.

LIBRARY, 6500 vols.

FACULTIES. Arts, Science, Educn., Law, Engineering, Medicine.

DEGREES. B.A., M.A., Ph.D., B.Sc., M.Sc., D.Sc., B.Ed., B.L., M.L., D.L., B.E., M.B.B.S.

RECOGNITION of examns. is accorded by Ox., Camb., Dub., Edin., and the General Med. Council.

PUBLICATIONS. *Calendar*, Rs. 4; *Courses of Studies*, Re. 1; *Question Papers*, Rs. 4; *Regns.*, Re. 1; *Minutes*, Rs. 2; *Matriculation Selections* (Sansk., Pers., Engl.), Re. 1/8/0 each.

ADMITTED COLLEGES—(*a*) Admitted to Degree Standard

PATNA COLLEGE, *Bankipur*. M.A., M.Sc. Principal, V. H. Jackson, M.A. Ox. Professors: *Persian*—Azimuddin Ahmad, Ph.D. Leip.; A. N. M. A. Hassan. *Chem.*—A. S. Khan, M.Sc. Manc.; K. S. Caldwell, B.Sc. Wales, Ph.D. Leip., M.A.; R. C. Roy, D.Sc. Lond.; C. B. Roy, M.A. *Econ. and Pol. Philos.*—E. A. Horne, M.A. St. And.; R. K. Jha, M.A. (on leave). *Engl.*—J. S. Armour, M.A. Glas.; D. Auchterlonie, M.A. Aberd.; N. Niyogi, M.A. Calc. *History*—J. N. Sarkar, C.I.E., M.A. (on leave); J. N. Samaddar, B.A.; G. S. Bhate, M.A. Edin. (on leave); T. N. Talukdar, B.A. Camb., offg. *Maths.*—W. W. T. Moore, M.A. Dub.; Rai Sahib A. T. Chatterji, M.A.; P. N. Das Gupta, M.Sc.; K. N. Pande, M.A. *Philos.*—C. C. Sinha, M.A.; S. C. Ghosal, M.A.; J. Prasad, B.A. Camb. *Physics*—A. T. Mukarji, M.A.; K. Prasad, B.A. Camb.; K. Dayal, M.Sc.; K. N. Banerji, M.Sc. *Sanskrit*—R. Sarma, M.A.; A. P. Banerji Shastri, Ph.D. Ox.

CUTTACK, *Ravenshaw College*. M.A., B.Sc., B.L. Principal and Prof. of *Engl.*—H. Lambert, M.A. Camb. Other Profs.: *Botany*—P. K. Parija, B.A. Camb. *Chem.*—B. K. Singh, M.A. Camb., D.Sc. (T.C.D.) (on leave); A. C. Ganguli, B.A. Calc. *Econs.*—S. C. Bardhan, M.A. *Hist.*—W. Owston Smith, M.A. Camb. *Law*—H. S. Ahamed. *Maths.*—S. K. Ganguli, M.A. *Persian and Urdu*—A. M. M. Latif. *Philos.*—M. M. Senapati, M.A. *Physics*—N. Misra. *Sanskrit and Oriya*—K. N. Das, M.A. 24 other Profs., Lectrs., and Demrs.

CUTTACK, *Training College.* Diploma in Education.

BANKIPUR, *Bihar National College.* B.A., B.Sc. Principal, and Prof. of *Philos.*—D. N. Sen, M.A. Other Profs.: *Chem.*—B. K. Chowdhry, M.Sc. *Engl.*—S. M. Huq, M.A. *History*—H. C. Rai Chaudhary, M.A. *Maths.*—L. K. Ghosh, M.A. *Persian*—A. Sayid, M.A. *Philos.*—G. P. Hazari, M.A. *Physics*—D. K. Bhattacharayya, M.Sc. *Sanskrit*—S. N. Bhattacharayya, M.A. 17 other Profs., Lectrs., and Demrs.

MUZAFFARPUR, *Greer Bhumihar Brahman College.* B.A., B.Sc. Principal—W. V. Duke, M.A. (T.C.D.). Profs.: *History*—R. P. Khosla, M.A., B.A. Ox. *Arabic and Pers.*—A. B. P. Sinha. *Chem.*—R. K. Basu, M.Sc. *Econ.*—B. B. Mukherjee, M.A., B.L. *Engl.*—B. Chatterji, M.A. *Maths.*—K. P. Das, M.Sc. *Philos.*—J. K. Sarkar, M.A. *Physics*—R. C. Sen, M.A. *Sansk.*—S. N. Mazumdar Sastri, M.A. 13 other Profs., Lectrs., and Demrs.

BHAGALPUR, *Tej Narain Jubilee College.* B.A., B.Sc. Principal, and Prof. of *English*—S. Sen, M.A. Profs.: *Chem.*—H. L. Das Gupta, M.A. *History*—N. M. Acharya, M.A. *Persian*—A. Majid. *Philos.*—B. C. Sinha, M.A. *Physics*—S. N. Banerjee, M.Sc. *Pol. Econ.*—T. N. Basu, M.A. *Sansk.*—K. C. Chakravarti, M.A. 20 other Profs., Lectrs., and Demrs.

HAZARIBAGH, *St. Columba's College.* B.A. Principal, and Prof. of *Eng.*—Rev. F. H. W. Kerr, B.A. (T.C.D.). Prof. of *Philos.*—H. G. S. Kennedy, M.A. Dub. Other Profs.: *Chem.*—H C. Mukharji, M.A. *Econs.*—S. K. Bose, M.A. *History*—J. N. Maitra, M.A. *Maths.*—R. Mukherji, M.Sc. *Pers.*—Md. Muslim, M.A., M.O.L. 8 other Profs.

PATNA *Training College.* B.Ed. Principal—J. H. Thickett, M.A. Camb. Vice-Principal—S. C. Sarkar, M.A., D.Phil., Dip.Ed. Ox. Profs.: W. W. Henderson, M.A., Dip Ed. Glas.; Saiyid Tahiruddin Ahmad, B.A., L.T.; J. N. Ghosh, M.Sc., B.T.

PATNA *Law College.* B.L. Principal—S. S. Alam, M.A., LL.B. Camb., Barr.-at-Law. Vice-Principal—S. M. Shareef, M.A. Camb., Barr.-at-Law. Profs.: Ragho Prasad, B.A., B.L.; S. N. Sahay, B.Sc., Barr.-at-Law; Shiveshwar Dayal, M.A., B.L. 4 other Lectrs.

PATNA, *Bihar College of Engineering.* B.E. Principal—F. Walford, A.R.C.S., M.I.M.E., O.B.E. Senior Professor—J. Tullis, B.Sc. Glas. 12 other Profs. and Lectrs.

PATNA, *Prince of Wales' Medical College.* M.B., B.S. Principal—Lt.-Col. H. R. Dutton, M.R.C.P. Lond., M.R.C.S. (Eng.), D.T.M. and H. Camb. Prof. of *Biology*—S. S. Chaudhury, M.A. All., M.Sc. Luck. 20 other Profs., Lectrs., and Demrs.

(*b*) Admitted to Intermediate Standard

Patna New College, Bihar Sharif Nalanda College, Monghyr Diamond Jubilee College, Cuttack Ravenshaw Girls' High School, and Ranchi Zila School Interm. classes.

THE YEAR 1925–26

BENEFACTIONS. Rai Br. Ram Rana Vijay Singh, Rs. 7500 for Readership in Hindi. STUDENTS: Full-time, total, 4240; preparing for a first degree, in Arts, 2458 (including 10 women); Science 675, Medicine 31, Engineering 30, Education 29; graduate students, Arts 140, Science 19, Educn. 35, Law 824. DEGREES CONFERRED: M.A., 26; M.Sc., 4; B.A., 259 (w. 1); B.Sc., 37; B.L., 212; B.Ed., 22.

UNIVERSITY OF RANGOON

VISITOR—THE GOVERNOR-GENERAL OF INDIA.

CHANCELLOR—THE GOVERNOR OF BURMA.

PRO-CHANCELLOR—The Hon. BA YIN, M.B., Ch.B. Edin.

VICE-CHANCELLOR—The Hon. Sir ROBERT S. GILES, M.A. Ox., Barr.-at-Law.

REGISTRAR—A. CAMPBELL, M.A. Edin., I.E.S.

CONSTITUENT COLLEGES AND THEIR STAFFS

UNIVERSITY COLLEGE: Principal—D. J. Sloss, C.B.E., M.A. Liv., I.E.S.

Anatomy

Lack, Major L. A. H., M.B., Ch.B. Edin., I.M.S. Prof.

2 Demrs.

Biology

Meggitt, F. J., M.Sc., Ph.D. Birm., I.E.S. Prof.

Ghose, S. L., M.Sc., Ph.D. Lectr. in Botany.

2 Asst. Demrs.

Chemistry

Peacock, D. H., M.A. Camb., M.Sc. Lond., F.I.C., F.C.S., I.E.S. Prof.

Goldsworthy, L. J., M.A. Ox., I.E.S. Lectr.

Venkateswaran, R., M.A. Mad. Asst. Lectr.

Ba, U, B.A. Calc., A.T.M., F.C.S. Asst. Lectr.

Pal, B. K., M.Sc. Asst. Lectr.

Hla-Baw, U Asst. Lectr.

8 Demrs. and Asst Demrs.

Economics [Prof.

Jevons, H. Stanley, M.A. Camb., B.Sc. Lond., F.S.S., I.E.S.

Khanna, B. M., LL.B. All. Lectr.

..... Asst. Lectr.

1 Tutor.

Education

Clark, G. F., M.A. Glas., Ph.D. Jena, I.E.S. Prof.

Scott, Miss M. E., M.A. Edin., B.Ed. Edin., M.B.E., I.E.S. Lectr.

Chowdhury, H. P. R. Lectr.

1 Drawing Instr.

Engineering, Civil

Elgood, W. N., B.Sc. St. And., I.E.S. Prof.

Gould, A. J., B.Sc., I.E.S. Lectr.

English [Prof.

Luce, G. H., B.A. Camb., I.E.S.

Fraser, W. G., M.A. Aberd., I.E.S. Lectr.

Hamer, D., M.A. Liv. Lectr.

Marshall, A., M.A. Ox. Lectr.

Kingsley, Miss M., M.A. Calc., B.T. Calc., B.A. Lond. Lectr.

Jembunathan, S., M.A. Asst. Lectr.

Gopalakrishna Aiyar, P. G., M.A. Mad. Asst. Lectr.

7 Tutors.

Forestry [Prof.

Unwin, R., B.Sc. Lond., I.F.S.

Sutherland, J. W. R., I.F.S. Lectr.

Geology and Geography

..... Prof.

Chibber, H. L., M.Sc. Lectr.

History

Hall, D. G. E., M.A. Lond., F.R.H.S., I.E.S. Prof.

Aspinall, A., M.A., Ph.D. Manc. Lectr.
Desai, W. S., M.A. Bom., B.A. Camb. Asst. Lectr.
2 Tutors.

Law
Eggar, A., M.A. Camb., Barr.-at-Law Prof.
Bilimoria, J. C., B.A. Bom., Barr.-at-Law. Lectr.
E-Maung, U., M.A., LL.B. Camb., Barr.-at-Law Lectr.

Mathematics [Prof.
Owen, L. G., M.A. Ox., I.E.S.
De, K. P., M.A. Calc., I.E.S.
Haldar, K. P., M.A., M.Sc. Calc. Asst. Lectr.
Ka, U, M.A. Asst. Lectr.
Thon, U Po, M.Sc. Asst. Lectr.
3 Tutors.

Oriental Studies
Tin, Pe Maung, M.A. Calc., B.Litt. Ox., I.E.S. Prof.
Cassim, A., B.A. Calc. Asst. Lectr. in Pali.
Ba-Kya, Mg., B.A. Calc. Asst. Lectr. in Burmese.
Akbar, Md. Gulam, M.A. Calc. Asst. Lectr. in Persian.
Tin, U, K.S.M., A.T.M. Spl. Lectr. in Burmese.
4 Tutors.

Philosophy
Ross, G. R. T., M.A. Edin., D.Phil. Edin., I.E.S. Prof.
Saunders, L. P., M.A. Camb., I.E.S. Lectr.
Taylor, L. F., B.A. Camb., I.E.S. Research Lectr.

Physics
Aiyar, N. C. Krishna, M.A. Mad., I.E.S. Prof.
Ward, K. M., M.A. Camb., I.E.S. Lectr.
Basu, R. M., B.Sc. Lond. Lectr.
6 Demrs. and Asst. Demrs.

Physiology
McRobert, Capt. G. R., M.D., M.R.C.P., D.T.M. & H., I.M.S. Prof.

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

Forensic Medicine
..... Prof.

Medicine
Kelsall, Lt.-Col. R., D.S.O., M.D. Lond., I.M.S. Prof.
Beit, Lt.-Col., F.V.O., M.D. Lond., I.M.S. (Dean of Med. Studies) Lectr.

Midwifery and Gynæcology
..... Prof.

Pharmacology
..... Lectr.
1 Asst.

Pathology
Morrison, Major R. V., M.D., I.M.S. Prof.
1 Asst., 1 Demr.

Surgery
Scott, Lt.Col. H. B., O.B.E., F.R.C.S.E., I.M.S. Prof.

JUDSON COLLEGE : Principal—W. St. John, B.D., Ph.D. Chicago.

Biology
Gates, G. E., M.A. Harv. Lectr.
Northup, Flora E., B.A. Mt. Holyoke, M.Sc. Wash.

Burmese and Pali Literature
Tun-Pe, Mg., M.A. Calc., B.L. Lectr.
Chaudhury, R., M.A. Calc. (Pali). Lectr.

Chemistry and Physics
Witnah, C. H., M.Sc. Chic. Lectr.
Shivers, Marion E., M.A. Columbia. Lectr.
Scherling, C., M.A. Calc., B.A. Camb. Lectr.
Gleason, P. R., M.A. Harv. Lectr.
Smith, D. O., B.A. Redl., B.Sc. Calif. Tech.

Basak, B. K., M.Sc. Calc. Lectr.
Guha, S. C., M.A. Calc. Asst. Lectr.
Majumdar, N. C., M.Sc. Calc.
Johnson, A. N., B.Sc.

English Literature

Gilmore, D. C., M.A., D.D. Rochester. Lectr.
Crawford, R. N., M.A. Chic., B.D. Rochester. Lectr.
Rickard, S. H., B.A. Bucknell.
Hunt, Miss H. K., Ph.D. Dennison, B.Sc. Simmons, *Dean of Women.* Lectr.
Forward, Miss M. R., B.A. Syracuse
Boynton, M. W., B.A. Chic.
3 Instrs.

History

Tapa, James, M.A. Calc. Lectr.
Tillman, O. G., Th.D. South Bapt. Sem
Thomas, E., B.A.

Mathematics

Van Horn, C. E., M.A., B.D. Colgate, Ph.D. Chic. Lectr.
Ghatak, M., M.A. Calc.
1 Instr.

Mental and Moral Science and Logic [Lectr.

St. John, W., B.D., Ph.D. Chic.
Jury, G. S., M.A. Yale Lectr.
San Ba, T., B.A. Calc., B.D. Newton Centre Asst. Lectr.
Hla Bu, U, M.A. Calc.

ASSOCIATED COLLEGE

INTERMEDIATE COLLEGE, MANDALAY (managed by the Univ. as a temporary measure). Principal, A. Brookes, M.A. Camb., I.E.S.

GENERAL INFORMATION (v. also p. 525)

This Univ., founded in Dec. 1920, is governed by a widely representative Council consisting of not more than 70 members, which exercises its functions by means of an Executive Committee of 10 members. The Council has the power to reject any act or resolution of the Senate (the academic body of the Univ.) in excess of its powers under the Univ. of Rangoon Act 1920, and to confirm or reject any resolution presented by it affecting the income or expenditure of the Univ. or of a Constituent College. The Senate consists of the Vice-Chancellor, the Director of Public Instruction, Burma, the Principals of Constituent Colleges, the Professors, 3 members of the Council, and not less than 10 lecturers in constituent colleges. Its executive duties are discharged by a Standing Committee. The Act of 1920 was amended in 1924.

An estate of about 450 acres of high and healthy ground, adjoining the Victoria Lakes on the outskirts of Rangoon, has been acquired for the Univ. buildings. Both Constituent Colleges and the Halls of Residence attached to them will be accommodated on the estate, where Univ. teachers will be housed and provision made for playing-fields, and ample room will still be left for expansion.

LIBRARIES.—University, in process of formation; University College, 18,000 vols.; Judson College, 8000 vols.

DEGREES.—B.A. and M.A.; B.Sc. and M.Sc.; B.Sc.Civ.Engin.; B.Sc. Forestry; B.L.; M.B. and B.S. (6 yrs.' course from Intermediate examn.). LICENCE in Med. and Surg. (5 yrs.' course from Interm.).

DIPLOMAS, in Teaching and in Forestry.

ADMISSION. Ordinarily by Matriculation or a pass in the Anglo-Vernacular High School examn. or the European High School examn. held by Educational

Dept. in English, a Vernacular, Maths., and two optional subjects. Proficiency in English must be shown.

FEES for Examinations: B.A., B.Sc., Rs. 30; B.A. (Hons.)., B.Sc. (Hons.), Rs. 40; M.A., M.Sc., Rs. 40; B.L., Rs. 40; M.B., Rs. 50. Diploma or Licence, Rs. 40.

SCHOLARSHIPS for advanced study in the United Kingdom: 3 in Education, 2 in Engineering (1 Civil, 1 Sanitary), 1 in Inorganic Chemistry, 2 others.

PUBLICATIONS. *Calendar*; *Annual Reports*; *Convocation Addresses.*

THE YEAR 1925–26

BENEFACTION. U Bah Oh, Rs. 1000 for prize in Forestry.

NEW POSTS. Six chairs in the Medical School, Dean of Medical Studies, Lectr. in Pharmacology. RESIGNATION: L. D. Stamp, Prof. of Geology, to take a post in the Univ. of London.

CHANGES IN REGULATIONS. B.Sc. Forestry course increased from 2 to 3 yrs., to include 6 months' field work.

STUDENTS. Full-time: total, 1495 (including 147 women); preparing for a first degree, in Arts or Pure Science 1295 (women 139), Medicine 44 (w. 1), Engineering 63, Forestry 11; graduate students, Arts, etc. 6 (w. 2), Law 38 (w. 1); diploma students, Med. 24, Forestry 1, Educn. 13 (w. 4). Resident in Halls, 755 (w. 88). Part-time: law students, 42 (w. 1). Vacation course for teachers, 173 (w. 65).

DEGREES OBTAINED. B.A., 51 (w. 11); B.Sc., 31 (w. 1); M.A., 3 (w. 1); M.Sc., 3; B.L., 21; B.Sc.For., 6; Dipl.For., 1; Dipl.Ed., 9 (w. 3); Dipl.Ec., 8.

THE INDIAN INSTITUTE OF SCIENCE, BANGALORE

VISITOR—H.E. THE VICEROY OF INDIA.

DIRECTOR—M. O. FORSTER, D.Sc., Ph.D., F.I.C., F.R.S.

TEACHING STAFF

General Chemistry

Watson, H. E., D.Sc. Lond., A.I.C. [Prof.
Krishnaswami, K. R., B.A. Mad. Asst.
Kulkarni-Jatkar, S. K., M.Sc. Bom. Asst.

Organic Chemistry

Simonsen, J. L., D.Sc. Manc., F.I.C. Prof.
Ramaswami Ayyar, P., M.A. Mad. Asst.
Sanjiva Rao, B., B.A. Mad. Asst.

Bio-Chemistry

Norris, R. V., D.Sc. Manc., F.I.C. Prof.
Ramaswami Ayyar, C. V., L.Ag. Asst.
Banerjee, B., M.Sc. Calc. Asst.
Srinivasiah, M., B.A. Mad. Asst.

Electrical Technology

Catterson-Smith, J. K., M.Eng. L'pool., M.I.E.E. Prof.
Mowdawalla, F. N., M.A., B.Sc. Bom., A.M.I.E.E. Asst. Prof.

Mechanical Engineering

Kann, J. H. C., B.Sc. Lond. Asst. Prof.

French and German

Amrita Row, K., M.A. Mad., L.T. Lectr.

GENERAL INFORMATION

The object of the Institute, opened July 24, 1911, is to establish Chairs and Lectureships in Science and Arts, especially with a view to the promotion of original investigations and their utilization for the benefit of India, and to provide and to assist in the provision of suitable libraries, laboratories, and all other necessary appliances.

Associateships are awarded on the recommendation of the Senate for 5 terms (of which there are 3 in a yr.—July–Sept., Nov.–Dec., Jan.–March) devoted entirely to research work; also for 3 terms *plus* a period of research elsewhere before or after the period spent at the Institute. *Fellowships* may be awarded to Associates who, having spent 5 yrs. in actual practice, produce satisfactory evidence of original and valuable research work, or other contribution to the advancement of scientific or industrial knowledge. *Certificates* are granted to students who satisfactorily complete approved courses of study. 53 Associateships and 1 Fellowship have been granted.

Students reside in a *Hostel*. Messing charges are from Rs. 28 to Rs. 35 p.m.; rent, lighting, and service, Rs. 10 p.m.

PUBLICATIONS. *Calendar* (annual); Pamphlet describing history, 1911–23; *Journal of the Institute*, about 12 parts annually.

POSTAL ADDRESS: Indian Institute of Science, Hebbal, Bangalore District. TELEGRAMS—Science, Bangalore.

THE YEAR 1925–26. *Number of Students and other Workers*: Genl. and Org. Chem., 52; Bio-Chem., 24; Elec. Tech., 47.

CEYLON UNIVERSITY COLLEGE, COLOMBO

PRESIDENT—THE GOVERNOR OF CEYLON.
PRINCIPAL—R. MARRS, M.A. Ox., C.I.E.
REGISTRAR—Rev. W. S. SENIOR, M.A. Ox.

PROFESSORS AND LECTURERS

Botany
Ball, N. G., M.A. Dub. Prof.
Sarbadhikari, P. C., M.A. Calc., D.I.C., Ph.D. Lond., D.Sc. Lond. Lectr.

Chemistry [Prof.
Rae, W. N., M.A. Camb., F.I.C.
Chandrasena, J. P. C., B Sc , Ph.D. Lond., D.I.C., A.I.C. Lectr.

Classics
Cameron, D. J., M.A. Ox. Prof.
Senior, W. S., M.A. Ox. Lectr.
Stone, W. A., M.A. Camb. Lectr.

Economics
Thomas, P. J., M.A. Mad., B.Litt. Ox. Lectr.

English
Smith, Leigh, M.A. Durh. Prof.
Hussey, D. M., B.A. Camb. Lectr.

French and German
Jansz, P. L., M.A. Camb. Lectr.

Geography [Lectr.
Robison, L. McD., B.A. Manc.

Modern History
Pakeman, S. A., M.A. Camb. Prof.

Mathematics
Suntharalingam, C., B.A. Ox., B.Sc. Lond. Prof.
Caspersz, U. D. R., B.Sc. Lond. Lectr.
Gulasekharam, F. H. V., M.A. Mad. Lectr.
Nadaraser, S., B.A. Camb., B.Sc. Lond. Asst. Lectr.

Philosophy
Cameron, D. J., M.A. Ox. Prof.

Physics
Hinton, J. W., M.Sc. (New Zealand) Prof.

Sinhalese, Sanskrit, and Pali
Malalasekara, G. P., M.A. Lond., Ph.D. Lond. Visiting Lectr.

Tamil [Lectr.
Kingsbury, F., B.A. Mad.

Zoology [Lectr.
Burt, D. R. R., B.Sc. St. And.

GENERAL INFORMATION

As a preliminary step to the formation of a University for Ceylon, the College was established in 1921 by the Ceylon Govt. A College Council nominated by the Governor of the Colony advises the Govt. on all important questions connected with higher education.

LABORATORIES. Botany, Chemistry, Physics, Zoology.

TERMS. July–Sept.; Oct.–Dec.; Jan.–April.

ADMISSION to the Ordinary courses is restricted to students who have passed the London Matricn.-examn. or obtained exemption from it. Others may be admitted to Special courses on payment of admission fee, Rs. 10. Minimum age, 17.

DEGREE COURSES are provided for the B.A., B.Sc., and B.Sc. (Econ.), of the Univ. of London. By special arrangement the Univ. holds its Honours examn. in Ceylon in Engl., Classics, Hist., Philos., Maths., Chem., Botany, and Zool. A Pre-Registration course in Physics, Chem., and Biol. is provided for students of the Ceylon Med. College (v. *infra*).

ORIENTAL LANGUAGES. Courses are provided in Sanskrit, Pali, Sinhalese, and Tamil.

FEES FOR TUITION. Full Course—Rs. 150 p.a. *plus* Rs. 30 p.a. extra for each Science subject offered. Single Subject: Arts—Rs. 15 per term; Science —Rs. 25 per term.

RESIDENCE. Protestants, Roman Catholics, and non-Christians have hostels under College supervision. Cost of board and lodging, approximately, Rs. 40 p.m.

SCHOLARSHIPS FOR GRADUATES. The Ceylon Govt. offers 5 of £300 p.a., each tenable for 2 or 3 years in a British Univ.—one for Arts, one for Science, one for Agr. and Forestry, and 2 for Engineering. Candidates must have been resident in the Island for 5 years.

PUBLICATIONS. *Prospectus, Annual Report.*

THE YEAR 1925–26. STUDENTS: Full-time: Arts and Pure Science, graduates, 5; preparing for first degree, 302 (including 15 women). Of these 30 were "pre-medical". Residing in hostels, 111. Part-time students: Arts and Pure Science, 10. DEGREES OBTAINED (Univ. of London) in 1925: B.A., 10 (w. 1); B.Sc., 16; B.Sc. (Econ.), 1 (w.).

CEYLON MEDICAL COLLEGE

PRESIDENT—THE GOVERNOR OF CEYLON.

PRINCIPAL—Hon. J. F. E. BRIDGER, M.B., B.S. Lond., D.P.H. Lond., Director of Medical and Sanitary Services of Ceylon.

REGISTRAR—Prof. F. O'B. ELLISON, M.D., B.Ch., B.A.O., B.A. Dublin.

TEACHING STAFF

Anæsthetics, and Materia Med. and Therapeutics

de Silva, J., M.B., C.M. Aberd., D.P.H. Camb. Lectr.

1 Asst.

Anatomy

..... Lectr.

1 Demr., 1 Asst.

Bacteriology and Tropical Medicine

Nicholls, L., L.S.A. Lond., M.D., B.Chir., B.A. Camb. Lectr.

Diseases of Children

Spaar, E C., M.D., B.S., B.A. Lond. Lectr.

Anderson, Miss C. E., M.B., Ch.B. Aberd.

Electricity, Medical

Goonewardene, H. O., M.R.C.S. Eng., L.R.C.P. Lond. Lectr.

Forensic Medicine and Mental Diseases

Parsons, L. D., M.B., Ch.B. Edin. Lectr.

Gynæcology [Lectr.

de Zilwa, L., M.D., B.Sc. Lond.

Hygiene

Gunasekera, S. T., M.R.C.S. Eng., L.R.C.P. Lond., D.P.H. Lond. Lectr.

Infectious Diseases
Jacob, K. K., L.R.C.P. and S., L.F.P. and S. Glas. Lectr.

Materia Medica and Therapeutics, v. Anæsthetics

Medicine and Clinical Medicine
Mack, E. Garvin, M.D., B.S. Lond. Lectr.
de Zilwa (v. Gynæc.) Clinical Teacher.

Midwifery
Peiris, H. M., M.D. Bruss., F.R.C.S. Edin. Lectr.

Ophthalmology
Joseph, H. P., M.R.C.S. Eng., L.R.C.P. Lond. Lectr.

Pathology
Karunaratne, W. A. E., M.D., B.S. Lond.
1 Demr.

Pharmacy [Lectr.
Pinto, C. F. X., M.P.S. Lond.

Physiology
Ellison, F. O'B., M.D., B.Ch., B.A.O., B.A. Dub. Prof.
1 Asst., 1 Sub. Asst.

Skin Diseases [Lectr.
Spittel, R. L., F.R.C.S. Eng.

Surgery and Clinical Surgery
de Silva, A. M., F.R.C.S. Eng. Lectr.
Alles, E. C., F.R.C.S. Eng. Lectr.
Gabriel, V., F.R.C.S. Eng., M.R.C.P. Lond. Lectr. (Operative S.).
Paul, S. C., M.D. Madras, F.R.C.S. Eng. Clinical Teacher.

Tropical Medicine, v. Bact.

The College, founded in 1870, is controlled by a Council composed of members nominated from the teaching staff of the College exclusively, together with the Principal Civil Medical Officer of the Colony and the Assistant P.C.M.O. and the Government Assessor. The control formerly exercised by the College Council over the Medical Profession in Ceylon, apart from Medical Education, was in 1925 transferred to the Ceylon Medical Council. The College is recognized by the General Medical Council—v. Appendix XI. A (*b*).

The Medical Department provides a 5-years' course for the L.M.S. (Ceylon): the Apothecary Department—a 2-years' course for the post of Government Apothecary or Estate Dispenser. Admission to the L.M.S. course is open only to students registered by the G.M.C., who are at least 17 years of age and have passed the London matriculation examn. or an exempting examn. and a special examn. in Chemistry, Physics, and Biology.

Tuition Fee, per annum, Rs. 500. Terms: Oct. 1–Dec. 23, Jan 4–March 31, May 1–July 31.

THE YEAR 1925–26. *Benefactions*: Dr. de Hoedt, Rs. 10,000 for scholarship endowment. *New Buildings*: Physiological department (to cost Rs. 580,000) begun. *Students*: Full-time, preparing for L.M.S., 113; Apothecary course, 64. *Diplomas* granted: L.M.S., 12; Apothecary, 9.

KING EDWARD VII. COLLEGE OF MEDICINE, SINGAPORE

PATRON—Sir LAURENCE N. GUILLEMARD, K.C.B.

PRESIDENT OF COUNCIL—A. L. HOOPS, B.A., M.D., D.P.H. Dub., Principal Civil Medical Officer.

PRINCIPAL—G. H. MACALISTER, M.A., M.D., D.P.H. Camb.

TEACHING STAFF

[(P.-T.) = Part-time Lecturer.]

Anatomy
Harrower, J. G., M.B., Ch.B. Glas. Prof.
Ess, B. J., L.M.S. Asst.

Bacteriology
Kingsbury, A. N., M.B., B.S. (Lond.) Prof.

Bio-Chemistry
..... Prof.

Biology
Scharff, J. W., M.B., Ch.B. Dub. (P.-T.).

Chemistry and Physics
Jamieson, M., F.I.C. Lectr.

Eye Diseases, v. Surg.

Infectious Diseases
Dawson, W., M.B., Ch.B. Glas., D.P.H. Liv. (P.-T.).

Materia Med. and Pharmacy
La Mothe, F. H., M.P.S.

Mental Diseases and Medical Jurispr.
Stone, E. R., M.B., B.Ch. Camb.

Medicine [Prof.
Webster, J. S., M.B., B.S., D.P.H.
The Principal Lectr. in Clin. Med.

Midwifery and Gynæcology
English, J. S., B.A., M.D., B.Ch., B.A.O., L.M. Dub. Prof.

Pathology and Bacteriology
Tull, J. C., M.D. (Tor.), M.R.C.P. Lond. (P.-T.).
Tham Ying Khow, L.M.S. Asst. in P.

Physics, v. Chem.

Physiology and Pharmacology
Kay-Mouat, J. R., M.A. Ox., M.B., B.Ch., D.P.H., M.Sc. Bris. King Edward VII. Prof.
Salmon, S. R., L.M.S. Asst.

Public Health
Brooke, G. E, M.A. Camb., L.R.C.S., L.R.C.P. Edin., D.P.H. (P.-T.).

Surgery
Black, K., F.R.C.S. Eng., L.R.C.P. Lond., L.D.S., R.C.S. (Lectr. in Eye Diseases) Prof.
Smith, C. J., F.R.C.S. Edin. (Senr. Surgeon, Singapore) (P.-T.) Prof.

Therapeutics
The Principal

Venereal Disease [Lectr.
Kelly, W., M.R.C.S., L.R.C.P.

GENERAL INFORMATION

This is a Government institution, partly endowed by public subscription, managed by a Council of Govt. officials and private members, with the Prin-

cipal Civil Medical Officer as President, advised by a Senate composed of the professors and lecturers with the Principal as Chairman. Since its foundation 137 licentiates have passed out. It owes its name to a large donation from a King Edward VII. Memorial Fund, which enabled the Council in 1913 to endow a Chair of Physiology.

The *Diploma* in Medicine, Surgery, and Midwifery was recognized by the General Medical Council in 1916—v. Appendix XI.

Admission qualifications: (1) The Cambridge School certificate, with English (special Malayan paper), another language, and Maths. as compulsory subjects, and two of the following—Hist., Geog., Chem., Physics, Bot., Expl. Sc., Applied Maths.; or (2) certificates of equivalent standard, *e.g.* London Matricn., recognized by the General Medical Council as qualifying for registration as Med. students. Candidates must be of good physique.

TERMS. Trinity—June 1 to Aug. 31; Michaelmas—Oct. 1 to Dec. 20; Lent—Jan. 7 to March 25.

Composition FEE for complete 6-year course, covering tuition, hospital tickets, and examns. (except fees for re-examn.), $750.

RESIDENCE, ETC. Hostel for 72 students. There is a Students' Union.

THE YEAR 1925–26. The new building was opened on Feb. 15, 1926, by the Governor; on which occasion Honorary Diplomas were conferred upon Sir David Galloway, Sir Malcolm Watson, and Dr. Lim Boon Keng. The Rockefeller Foundation contributed a sum of $350,000 (Straits) towards the endowment of chairs in bacteriology and biochemistry. *Number of Students:* 114 (Tamils and other Indians, 37; Chinese, 37; Malays, 8; Eurasians, 27; others, 5). *Licentiates*, 1924, 16.

UNIVERSITY OF HONG-KONG

PATRON—H.M. THE KING.

CHANCELLOR—THE GOVERNOR OF HONG-KONG.

VICE-CHANCELLOR AND PRINCIPAL—WILLIAM WOODWARD HORNELL, M.A., C.I.E.

CHAIRMAN OF CONSULTING COMMITTEE IN LONDON—Sir CHARLES ADDIS, K.C.M.G., LL.D.

REGISTRAR—W. B. FINNIGAN.

LIBRARIAN—Mrs. J. RING, M.Sc.

PROFESSORS, LECTURERS, ETC.

Accounting & Business Practice
Martin, T. A., A.S.A.A. Lectr.

Anatomy [Prof.
Shellshear, J. L., M.B., Ch.M. Syd.
Wong, R. J., M.B., Ch.M. Syd. Tutor.

Biology
..... Reader.

Chemistry [Prof.
Byrne, G. T., M.Sc. Manc., A.I.C.
Chan, J. C. L. Demr.

Chinese
Au Tai Tin (Hanlin) Lectr.
Lai Hsi Chi (Hanlin) Lectr.

Education
Forster, L., B.A. Prof.

Engineering, Civil and Mech.
Smith, C. A. Middleton, M.Sc. Birm., M.I.M.E., A.M.I.E.E. Taikoo Prof.
Fenwick, A. H., B.Sc., A.M.I.C.E. Lectr.
Morley, D. W., M.A. Camb. Lectr.
Redmond, F. A., B.Sc. Lond. Prof. of Civil E.
Gittins, W. M., B.Sc. Demr. in E.
Yu Shiu Chu, B.Sc. Demr. in Mech E.
Weller, F. C. Demr. in Civil E.
1 Workshop Instructor.

Engineering, Electrical
Roffey, M. H., D.S.O., M.Sc., M.I.E.E. Prof.
Day, I., A.M.I.E.E. Demr

English [Prof.
Simpson, R. K. M., M.A. Edin.
Birch, B. G., B.A. Bristol Lectr. & Tutor.
Trayes, F. H. J., B.A. Camb. Lectr. & Tutor.
Hay, A. L. B., B.A. Lectr. & Tutor.

History
Hughes, J., B.A. Camb. Reader.

Law and Politics
Keeton, G. W., B.A., LL.B. Camb. Reader.

Mathematics
Brown, W., M.A., B.Sc. Glas., A.M.I.E.E. Prof.

Medicine and Surgery, v. *infra*

Physics
Faid, W., B.Sc. Durham Prof.

Physiology [Prof.
Earle, H. G., M.A., M.B. Camb.
Wong, S. Y., M.Sc., Ph.D. Columbia Tutor.

Political Economy
Hinton, W. J., M.A. Wales Prof.
..... Lectr.

Medicine

Hygiene and Pub. Health
..... Lectr.

Medical Jurispr.
Minett, E. P., M.D., M.R.C.S., D.P.H., D.T.M. & H. Lectr.

Medicine
Anderson, J., M.A., B.Sc., M.D. Glas., D.T.M. & H. (Eng.) Prof.
McKenny, C. W., M.D. Dub. Lectr.
Lim Eng Hac, M.B., B.S. Asst.

Obstetrics & Gynæcology
Tottenham, R. E., B.A., M.D., Ch.B., B.A.O., F.R.C.P.I., L.M., D.P.H. Prof.
Woo, Arthur W., M.B., B.S. Lond., M.R.C.S. Eng. Lectr.
Pillai, D. Kumarasamy, M.B., B.S., L.M. Rotunda Asst. to Prof.

Ophthalmology [Lectr.
Harston, G. M., M.D., D.O. Ox.

Pathology
Wang, C. Y., M.D. Edin., B.Sc. Manc., F.R.C.P. Edin., D.P.H., D.T.M. & H. Prof.

Pharmacology and Therapeutics
..... Lectr.

Surgery
Digby, K. H., M.B., B.S. Lond., F.R.C.S. Eng. Prof.
Koch, W. V. M., M.D. Edin. Lectr.
Phoon, S. W., M.B., B.S., M.R.C.S. Eng. Asst. to Prof.

Tropical Medicine
Thomas, G. H., M.D., B.S. Lectr.

GENERAL INFORMATION

The College of Medicine for Chinese, founded in 1887 for the training of Chinese students in Western Medicine, was incorporated under the name of the Hong-Kong College of Medicine in 1907. It had no building of its own, and its teaching was conducted by permission in various hospitals and other institutions. Between 1907 and 1910 an Endowment and Equipment Fund of $1,280,000 was raised for a University to include Engineering and Arts as well as Medicine. The cost of the buildings and preparation of the site—$345,000—was borne by Sir H. N. Mody, the originator of the Fund. Other contributors were the Govt. of China, the Hong-Kong Govt., Swire & Sons, and other firms and Chinese residents of Hong-Kong, Canton, and other places. The Univ. was incorporated in 1911 and formally opened in 1912, when it took over the work of the College of Medicine. The buildings, including class-room accommodation for 500 students, three hostels, laboratories, etc., together with playing-fields, occupy an area of 25 acres. In 1919 were opened the Schools of Physiology, Tropical Medicine, and Pathology presented by three Chinese gentlemen. "The root idea of the Univ. is to provide a place for Higher Education where Chinese youths can remain under the influence of their own parents and guardians . . . subject to the strong control which Chinese opinion exerts upon young men, instead of being adrift in a foreign country where a liberty unknown to students in the East is allowed to undergraduates" (*Calendar*, 1919–20).

The Court is composed of life, *ex-officio*, and nominated members; the Council is composed of the Chancellor, the Vice-Chancellor, the Treasurer, certain Government officials, the Chinese members of the Legislative Council, Deans of Faculty, and two representatives of the commercial community, with power for the Governor to appoint two additional members. The Senate consists of the Vice-Chancellor, the Director of Education, the Professors, and the Registrar.

MUSEUM of Pathology and Trop. Med. LABORATORIES: Anat., Bact., Biol., Chem., Histol., Path., Physics, Physiol., Trop. Med.; Applied Mechanics, Materials, Elec. Tech., Power House, Hydraulics, Steam, Elec. Machinery, Elec. Traction, Engin. and Carpentering workshops. HOSPLS. in the vicinity available for clinics, 400 beds; Govt. Bacteriological Inst. and Mortuary.

FACULTIES. Medicine, Engineering, Arts.

TERMS. Jan.–March; April–May; Sept.–Dec.

MATRICULATION examn. (framed for use also as a School Leaving examn.) includes (*a*) English, (*b*) Maths., (*c*) Chinese Lang. and Lit., (*d*) Latin *or* a Classical Oriental Lang. other than Chinese, (*e*) Geog., (*f*) a Modern Lang. other than English or Chinese, (*g*) Mandarin, (*h*) Hist., (*i*) Physics, (*j*) Chem., (*k*) Higher Maths., (*l*) Trigonometry, (*m*) Mechanics, (*n*) Drawing. (*a*) and (*b*) are compulsory for all, and (*c*) for all Chinese candidates. It is necessary to pass in 5 subjects, and for the Med. Faculty these must include (*c*), (*d*) or (*f*), and (*e*) or (*h*). Medical students are registered after passing an examn. in physics, chemistry, and biology subsequent to general matriculation.

DEGREES. B.A., B.Sc. (Eng.), M.A., M.Sc. (Eng.), M.B., B.S., M.D., M.S. The standard aimed at is that of the Univ. of London. To qualify for admission to the Bachelor's degree examns. residence for 12 (in Med.—15) terms is necessary; the 5-years' medical course dates from registration as medical student (see preceding paragraph); 3 yrs. are devoted to clinical work subsequent to passing an examn. in anatomy and physiology.

The examn. for the Master's degree may be taken at the end of 2 yrs. after graduation as Bachelor. For the M.A. or M.Sc. a thesis is required; for the M.S., evidence of special post-graduate experience. The examn. for the M.D. may be taken 5 yrs. after graduation, or at the end of 2 yrs. if evidence is produced of special post-graduate experience.

Graduates of other Univs. who wish to become candidates for a Master's degree must work under the direction of the Faculty concerned for at least 1 yr.

The Degree of B.A. may be obtained in any one of 3 Depts. under 6 "groups" of studies. (*a*) *Pure Arts and Science*: Group 1, Letters; 2, Experimental Science; 3, Social Science. (*b*) *Training of Teachers*: Group 4 (*a*), Science and Maths.; 4 (*b*), General. (*c*) *Commerce*: Group 5, Commercial Training.

FEES for tuition, $300 p.a.; board and lodging, $300; Univ. Union, $15; books and charges for materials, etc., in Labs., about $60. It is claimed that there is no European Univ. where a foreign student can live so cheaply.

RESIDENCE. With the object of "developing and forming the character of students of all races, nationalities, and creeds," it is provided by the Ordinance of Incorporation that all students must reside in the quarters provided, or in hostels founded by religious bodies and conducted under regns. approved by the Council.

THE YEAR 1924–25. *Students*: Full-time, 328 (including women—18). Residing in hostels, 265 (women—15). *Degrees awarded* (Jan. 1926): Hon. LL.D.—The Chancellor, R. H. Kotewall, R. Ponsonby Fane, Sir R. E. Stubbs; M.B., B.S., 9; B.Sc.(Eng.), 6; B.A., 23 (including 1 woman).

APPENDICES

I

REGULAR COMMISSIONS IN H.M. FORCES FOR UNIVERSITY CANDIDATES

Regulations issued with Army Orders for June 1924 provide for Commissions being granted in the Cavalry, R.A., R.E., Royal Corps of Signals, Infantry, Royal Tank Corps, and R.A.S.C., and in the Indian Army. Nominations of graduates who have certain prescribed qualifications are accepted by the Army Council from the following Universities : I. Oxford, Cambridge, London, Edinburgh, Manchester, McGill, Sydney, Toronto ; II. The other universities of Great Britain, Northern Ireland and the Dominions, except the National Univ. of Ireland. Univs. in Group I. have established courses of military study, and their candidates will be commissioned senior to candidates whose qualifications are in other respects equal. The grant of commissions in the Indian Army is limited to candidates from univs. in Great Britain and Northern Ireland. Commissions of accepted candidates will be antedated, according to qualifications as defined in a prescribed scale, to their 20th birthday or to a later date up to 21½ years of age.

Among the necessary qualifications are : to be within the age limits 21-24, and to be unmarried.

The regulations giving full details of qualifications—general, academic, military, and physical—are obtainable from the War Office.

For the present the Army Council are prepared to accept 100 candidates a year from the Univs.

Permanent Commissions in the R.A.F. Permanent commissions in the General Duties Branch of the R.A.F. are granted to university candidates by the Air Ministry under conditions generally similar to those under which University commissions in the Regular Army are granted by the War Office. Officers of the General Duties Branch are taught to fly and undertake flying, technical, and administrative duties of the R.A.F. They are given the opportunity to specialize in Aero-Engineering, Signals, Armament, Navigation, or Photography, and officers when so qualified are eligible either for specialist or for general employment.

Candidates must be graduates of a University in Great Britain or Northern Ireland ; must be under 25 years of age ; and must be recommended by their Universities. If in all respects eligible they are invited to attend before a selection board which sits at the Air Ministry, in Oxford and Cambridge. Selected candidates are attached for a period of six weeks to an Air Force station on probation. On commissioning they are granted an antedate of 12 or 18 months' and are eligible for promotion to Flying Officer after six months' service as Pilot Officer. Promotion to all ranks above Flying Officer is by selec-

tion. Emoluments in the R.A.F. have been fixed so as to allow officers even in the lowest ranks to live on their pay.

Intending applicants should write for information to the Secretary of the Air Ministry, Kingsway, London, W.C.2; applicants from Oxford or Cambridge should also get into touch with the University Air Squadrons. The conditions under which commissions are granted to graduates of certain recognized Universities in the self-governing Dominions can be obtained from the Government of the appropriate Dominion.

II

INSTITUTE OF CHARTERED ACCOUNTANTS IN ENGLAND AND WALES

Incorporated by Royal Charter in 1880. *Address*—Moorgate Place, London, E.C.2.

The *Preliminary* examn. for persons wishing to become Articled Clerks is held in London, Manchester, Birmingham, and Newcastle-upon-Tyne about the middle of May and November. It embraces: Dictation and short English Composition, Arith., Algebra and Geom., Geog., Hist., a foreign language (Latin, Greek, French, German, Italian, or Spanish), and one of the following—Advanced Maths., Physics, Chemistry, Geology, Stenography. Exemption is allowed to persons who have passed certain other examns., including those numbered in Appendix No. XX., 1, 2, 3 (provided the certificate shows the holder to have passed in Maths.), 4, 5, 6: and (provided the standard attained was " pass with credit " in at least 5 subjects, of which one was Maths., Arith. and Dictation not counting as separate subjects) 7, 8 (*b*), 9, 10, 11, 12, 13, and the Central Welsh Board School Certif. for Intermediate Examn. The minimum age for being articled is 16.

The *Intermediate* examn. for Articled Clerks who have served half of their term of service embraces Book-keeping and Accounts (including Partnership and Executorship Accounts and the Accounts of Limited Companies), Auditing and General Commercial Knowledge.

The *Final* examn. may not be taken until 2 yrs. have elapsed since passing the Interm., except that graduates articled for 3 yrs. only may take it 1 yr. after passing the Interm. No person may present himself for the Final unless he has served under Articles in England or Wales to a member for 5 yrs. (or, in the case of a graduate of a Univ. of the U.K., for 3 yrs.). It embraces Advanced Bookkeeping and Accountancy, including Costing and Taxation, Auditing, Partnership and Executorship Law and Accounts, Principles of Law of Bankruptcy and of Law relating to Joint Stock Companies, the Rights of Liquidators, Trustees and Receivers, Principles of Mercantile Law and of Law of

Arbitrations and Awards, and as an additional subject, either Banking, Currency and Foreign Exchanges, Actuarial Science, or Economics.

The *Fee* for admission to any of the examns. is 2 gs., and for Certif. of Exemption 1 g. Thirty days' notice is required, and late entries will only be accepted up to 15 days on payment of a late fee.

No person may be admitted as *Associate* (fee 10 gs.) who has not passed the Final examn. The minimum age for admission is 21. Any person who, being an Associate, has for 5 yrs. been continuously in practice as a Public Accountant may be admitted as *Fellow* (fee 10 gs.). Distinctive initials: F.C.A., A.C.A.

SOCIETY OF INCORPORATED ACCOUNTANTS AND AUDITORS

Incorporated 1885. *Address*—50 Gresham St., Bank, London, E.C.2. *Branches*: Glasgow, Dublin, Belfast, Montreal, Melbourne, Sydney, Cape Town, Johannesburg. Members (numbering upwards of 4600) are designated "*Incorporated Accountants.*"

Examinations are held ordinarily in May and Nov. in London, Manchester, Leeds, Cardiff, Glasgow, Dublin and Belfast. One month's notice is required. They are also held in Australia and S. Africa.

The *Preliminary* (fee 1½ gs.) embraces English (General Knowledge, including main outlines of Modern Engl. History and General Geog.; Essay; questions testing knowledge and command of Engl.), either French or German or Latin, Maths. Exempting examns.: Matricn. of approved Univs. in the British Empire, and those numbered in Appendix XX., 1, 2, 7, 8 (*a*) or (*b*), 9, 9 (*b*), 10, 10 (*b*), 11, 12, 13, 14, 18 (Arts or Science), Army Qualifying, or, if it comprise Arith., Maths., Engl., one Lang., and one other subject—9*a* or 10*a* (Hons.), 16 (First-Class certif.), 19, 23, 23 (*a*).

The *Intermediate* (fee 2 gs.) embraces Book-keeping and Accounts, including Partnership and Executorship and Cost Accts., General Commercial Knowledge and Comml. Law, Powers and Duties of Liquidators, Trustees, etc.

The *Final* (fee 2½ gs.) embraces, in addition to these, Advanced Accounting; Auditing; Merc., Jt. Stock Co. and Bankruptcy Law; Statistical Methods; Economics.

Service under Articles of Clerkship (after passing or obtaining exemption from the Prelim. examn.) is a condition precedent to sitting for the Interm. and Final examns., subject to special regns. in favour of Clerks to Public Accountants of long service (9 yrs. before admission to the Final). The period of service under Articles is ordinarily 5 yrs., for a graduate of a Univ. of the U.K. 3 yrs. Clerks may sit for the Interm. examn. on the completion of 2 yrs.' service under Articles; for the Final during the 5th year.

Admission to *Associateship* (fee 10 gs.) is open to a Public Acctt., Principal Clerk to a P.A., Acctt. in service of the Govt. or of a corporation or public body, under certain conditions, who has passed the

prescribed examns. Admission to *Fellowship* (fee 15 gs.—for Associates, 10 gs.) is open to a Public Acctt. in the U.K. or Overseas Dominions after continuous practice as such for 7 yrs. (in the case of an Associate, 3 yrs.), provided he has passed the prescribed examns. Distinctive initials: A.S.A.A., F.S.A.A.

Publications. Yearbook, 3s.; *Journal*, monthly, 12s. 6d. p.a.; *Examn. Questions*, 1s.

LONDON ASSOCIATION OF ACCOUNTANTS, LTD. (BY GUARANTEE)

Incorporated Jan. 1905. *Address*—50 Bedford Square, London, W.C.1. 14 branches in British Isles and S. Africa. Members (about 2700) consist of Fellows (F.L.A.A.) and Associates (A.L.A.A.), and are designated "*Certified Accountant.*"

Examinations are held in June and December of each year as follows: Preliminary, Intermediate, and Final. The last embraces: Practical Accountancy; Methods and Machinery of Business; Partnership Law and Accounts; Economics; Company Law; Cost Accounts and Systems of Costing; Executorship Law and Accounts; Rights and Duties of Liquidators, Trustees, and Receivers; Statistics; Auditing; Income Tax Law and Practice. (Entrance Fees: £1 : 11 : 6, £2 : 2s., and £2 : 12 : 6.)

Admission to Membership. It is necessary to pass the Association's examns. and possess at least 5 years' practical accountancy experience in a responsible position.

Publications. Yearbook, 2s. 6d.; *Certified Accountants' Journal*, 7s. p.a. (post free).

INSTITUTE OF COST AND WORKS ACCOUNTANTS

Incorporated 1919 as a Company limited by guarantee with the object, *inter alia*, of securing a definite professional status by means of a system of exams., etc., for persons engaged in occupations requiring knowledge of the cost of production, manufacture or sale of commodities. *Address*—6 Duke Street, St. James's, S.W.1.

Qualifications for membership as Fellow (F.C.W.A.) or Associate (A.C.W.A.): candidates for admission must be actually in practice as Cost Accountants, must be at least twenty-one years of age and must have had five years' practical experience; provided that (i.) for Associateship a candidate is eligible who has been for 3 years continuously in practice and (unless exempted by Council) has satisfied the Inst.'s examnrs. up to the "Intermediate" standard, and (ii.) for either Fellowship or Associateship a candidate, as to whose experience and qualifications the Council is satisfied, is eligible if he has satisfied the Inst.'s examnrs. up to the "Final" standard.

Persons actually employed in manufacturing concerns may be elected as "Student" members. Such members, if they have not already passed the Inst.'s "Preliminary" examn. or its equivalent, are required, unless exempted by the Council, to pass this examn. and thereafter the Intermediate as a condition of continuing as student members.

Articled Clerks of members of the Inst. are required to have passed or been exempted from the Preliminary examn. and to serve 4 yrs. (a graduate of a univ. of the U.K.—3 yrs.). Exemption from this examn. is granted to graduates of any Univ. of the U.K., and persons who have passed any of certain examns., among which are Nos. 1, 2, 3, 4*a*, 8(*a*), 9, 10, 16 of Appendix No. XX. and, if taken at or below the age of 16, 9(*a*) and 10(*a*); also examns. for Comml. Certifs. of the Ox. and Camb. Schools Examn. Board, Univ. of Manc., London Chamber of Commerce (Higher) or Manc. Ch. of Com. (Senior) or certain other examns.

Subjects of the Prelim. examn. (fee, 1 g.): Maths., English Essay, Book-keeping, Elementary Mechanics, and a selected Modern Language. Interm. (fee 1½ gs.): Maths., Economics, Book-keeping, Workshop Knowledge, General Business Methods and Organization, Costing. Final (fee 2 gs.): Maths., Workshop Knowledge, Law subjects, and Costing.

Entrance fees for Fellows, 7 gs.; Assocs., 5 gs.; Annual subs. 3 gs. and 2 gs. Publications: *The Cost Accountant*, monthly. Examn. Papers, 1s.

INSTITUTE OF ACTUARIES

Established 1848. Incorporated by Royal Charter, 1884. *Address*—Staple Inn Hall, Holborn, London, W.C.1.

Examinations qualifying for membership are held in May of each year, or at such other times as may be prescribed by the Council. Candidates must give 14 days' notice. Applications for examination outside the U.K. must reach the Hon. Secretaries 2 months prior to the date of examn.

Candidates for *Studentship* must have passed: (1) one of the following examns. (v. Appendix XX.)—Nos. 3, 6, 13 (or an examn. similar to 3 or 13 at any Univ. in the Empire), 9, 10, or any other examn. approved by the Council; (2) Part I. of the Institute's own Examn. Syllabus (Advanced Algebra, Finite Differences and Elementary Calculus, and Elements of Statistics).

Candidates for *Associateship* must be "Students" and have passed Parts I., II., and III. of the Syllabus. Candidates for *Fellowship* must be Students or Associates and pass the 4 Parts of the Syllabus. *Examn. Fees*, 1½ gs. for each Part. Distinctive initials: A.I.A., F.I.A.

THE CHARTERED INSURANCE INSTITUTE

Founded 1897, and incorporated by Royal Charter, 1912. *Address*—11 Queen St., London, E.C.4. Membership consists of the members

of Local Insurance Insts., of which there are 38 in the U.K. There are also 7 affiliated Institutes in Toronto, Adelaide, Melbourne, Sydney, Perth, Cape Town, and Johannesburg. Examns. qualifying for Associateship (A.C.I.I.) and Fellowship (F.C.I.I.) are held in Feb. and March. Journal published annually.

III

INSTITUTE OF PUBLIC ADMINISTRATION

Established 1922 to develop the Civil Service and other Public Services (both national and local) as a recognized profession, and to promote the study of Public Administration in this and other countries. *Offices*—Palace Chambers, Bridge St., Westminster, S.W.1.

Regional Groups have been founded in Birmingham, Manchester, Edinburgh, Liverpool, Leeds, Nottingham (East Midlands), Sheffield, Newcastle, Glasgow, Pretoria (South Africa); and are in course of formation at Bristol, for East Anglia, at Cardiff, and at Belfast. Monthly lectures for members and associates are held in the towns where Groups have been already founded, and at Montagu House, Whitehall, London. Courses of lectures are also given in connexion with the Universities of Birmingham, Manchester, Liverpool, Leeds, Sheffield, Glasgow, and London. Subscription—Members, £2 : 2s.; Associates, 10s. 6d. per annum, and 25s. for members outside Great Britain and Ireland. The Journal, "*Public Administration*," is published quarterly by the Oxford University Press (annual subs. 10s. post free), and a members' circular (*Monthly Notes*) each month from Oct. to July.

IV

NATIONAL AGRICULTURAL EXAMINATION BOARD

Appointed by the Royal Agricultural Society of England (16 Bedford Sq., London, W.C.1) and the Highland and Agricultural Society of Scotland (3 George IV. Bridge, Edinburgh), and including representatives of the Ministry of Agr. and Fisheries and the Board of Agr. for Scotland.

(i.) An examn. in the SCIENCE AND PRACTICE OF AGRICULTURE is held annually for the National Diploma in Agr. (N.D.A.). Qualifications for admission: a certificate from a recognized Agr. College that his attainments in General Botany and Chemistry, Geology, Physics, and Mechanics justify the candidate's admission; or evidence of (*a*) having passed the 1st B.Sc. or Interm. examn. in Science of a British Univ.; or (*b*) having passed examn. No. 9 or 10 (v. Appendix XX.), with

evidence of having continued study of science for at least a yr., and a certif. in Elem. Chem. and Physics and Botany of Group H of the Oxford Higher Local or in Group E of the Cambridge Higher Local examn.; or (*c*) Interm. Leaving Certif. of the Scottish Ed. Dept., with evidence of having continued study for at least another year, and the Higher Leaving certif. in Science, including Chem. and Botany. Before the first and third written papers are taken, candidates must also produce evidence of having resided on a farm for a period (or 2 periods) covering a complete year of farming operations. The subjects of the written papers are Practical Agr.; Land Surveying and Farm Buildings; Farm Machinery and Implements; Agr. Chem., Botany, Book-keeping and Zoology; Vet. Sc. They may be taken all at one time, or 3, 4, or 5 in one yr. and the remainder the next yr. *Fee* (non-returnable) for entire examn., 6 gs. In 1927 the examn. will be held at Leeds Univ. in April; entries (which should be in prescribed form) close February 21.

(ii.) An examn. in the SCIENCE AND PRACTICE OF DAIRYING is held annually in England and in Scotland for the National Diploma in Dairying (N.D.D.).

Qualifications necessary for admission: (*a*) at least 6 session months' instruction (not necessarily continuous) in practical dairy work at an approved dairy training institution; also (*b*) at least 6 months on an approved dairy farm (not concurrent with period mentioned under (*a*); also (*c*) certificates in prescribed form from a recognized institution or institutions, of attendance on approved courses in Chem., Bacteriology, and Botany, and fitness for admission to the examn. The examn. includes tests of practical skill in Dairying and capacity for imparting instruction to others, as well as tests of the candidate's knowledge.

In 1927 the examns. will be at Reading and Kilmarnock in Sept. Entries (which must be in prescribed form) are receivable at the addresses given above up to Aug. 6. A candidate may not enter for the examns. both in England and Scotland.

Revised Regulations and Syllabus will not come into force for the N.D.D. Examn. until 1928.

Examn. papers of past years may be had at 6d. a set. A detailed syllabus of subjects of examn. is also obtainable.

NATIONAL DIPLOMA IN HORTICULTURE

The Examns. for this Diploma (N.D. Hort.) were established in 1912 by the ROYAL HORTICULTURAL SOCIETY (Vincent Square, London, S.W.1) with the approval of the Board of Agriculture. They are usually held in May and June in London and elsewhere. The *Preliminary* examn. is open to candidates who have received a sufficient general education, who are at least 21 years of age and have served at least 4 years in a public or private garden or nursery, or taken a 4 years' course in an approved Horticultural Institution, or spent 4 years partly in the former and partly in the latter way. The *Final* examn. may be taken by candidates who have passed the preliminary examination and have been regularly employed in the practice of Horticulture for not less than 6 years.

NATIONAL POULTRY DIPLOMA EXAMINATION BOARD

This Board, formed by the National Poultry Council, includes representatives of the Ministry of Agriculture, the Scottish Board of Agr., the Dept. of Agr. for Northern Ireland, Leeds Univ., S.E. Agr. College (Wye), Harper Adams Agr. College, Univ. College, Reading, and several other bodies. The Chairman is P. Hedworth Foulkes, B.Sc., late Principal of Harper Adams Agr. College, Newport, Salop. It holds examns. annually and awards a National Diploma in Poultry Husbandry (N.D.P.) and a Public Elementary and Secondary School Teachers' Certificate in Poultry Husbandry.

Qualifications for admission to the Diploma examns. (fee 5 gs.): i. Passing the Board's Prelim. examn. (fee 2 gs.) in Elem. Chem., Physics, Biol., and Maths., or producing other satisfactory evidence, *e.g.* Matriculation certificate, of knowledge of these sciences; ii. Training in Poultry Husbandry in a recognized Teaching Instn. for at least a year; iii. Experience on an approved Poultry Farm for at least a year. The subjects of the examn. are Poultry Husbandry in all branches and, in so far as they relate to this, Agr. and Horticulture, Physiology, Pathology, Chem. and Physics, Building and Appliance Construction, Bookkeeping. The next examn. will be held in Sept. 1927.

Applications receivable by the Secy., National Poultry Council, 20-21 Essex St., London, W.C.2.

V

ROYAL INSTITUTE OF BRITISH ARCHITECTS

Founded 1834. Incorporated by Royal Charter in 1837. *Address*—9 Conduit St., Regent St., London, W.1.

The Recommendations of the R.I.B.A. in regard to preliminary and professional education imply a course of professional training in schools occupying at least five years, during the last 2 yrs. of which the student would be working part-time in an architect's office—the training being kept under the supervision of the Board of Architectural Education of the R.I.B.A. or its delegates during the whole term.

Registration as Probationer, R.I.B.A. A candidate must submit a certificate of passing some recognized Public examn., or other evidence * of general education covering required subjects, and, unless he has passed an Entrance examn. in Freehand Drawing at one of the Schools of Architecture recognized for exemption from the R.I.B.A. examinations, evidence in the shape of drawings that he has an elementary knowledge of this subject. A list of such Schools is given in the following paragraph and particulars regarding them are given in an explanatory Pamphlet on Examns., price 1s. Registration fee, 4 gs.

The *Intermediate* examn. (fee 5 gs.), open to Probationers of at least 19 yrs. of age, tests their progress while engaged as pupil, improver, or assistant in an office, and passing it qualifies for election as *Student*, R.I.B.A. Exemption from this examn. (but not from the fee) may be granted to Probationers who have attended the necessary courses at one of the following schools: Architectural Assocn., London; Northern Polytechnic, London; Universities of Cambridge, Liverpool, London, Manchester, Sheffield; Birmingham School of Arch.; Armstrong College (Newcastle); Leeds Sch. of Art; The Technical College, Cardiff; Royal West of England Academy, Bristol; Robert Gordon's Colleges, Aberdeen; Edinburgh College of Art and Heriot-Watt College; Glasgow Sch. of Arch.; McGill Univ.; Univ. of Toronto; Bombay Sch. of Art; Sydney Univ. The R.I.B.A. desires that Students within reach of these Univs. and Schools should avail themselves of the opportunities thus afforded rather than submit themselves for the examn. without such recognized training.

The *Final* examn. (fee 6 gs.) for the *Associateship*, R.I.B.A., is open to Students of at least 21 yrs. of age. Before admission a candidate must submit for approval designs in answer to at least 4 problems set by the Board, and a thesis in Historical Arch., or in Science as applied to building, or in Design, including Decoration. Exemption from the Final examn., with the exception of that portion which deals with

* Except in very special cases, other evidence will not be accepted after 1st October 1927.

Professional Practice, is given to Students who have completed successfully a Diploma or Degree course covering at least 5 years at the Arch. Assocn., London, Liverpool Univ., London Univ., Manchester Univ., Robert Gordon's Colleges, Aberdeen, Glasgow Sch. of Arch., Edinburgh College of Art, McGill Univ., Montreal, Sydney Univ.

A *Special* examn. (fee 10 gs.) for the Associateship is held in July and Dec. It is open to Architects in practice and Assistants not less than 30 yrs. of age exempted from the Prelim. and Interm. examns. and from submitting testimonies of study.

A *Licentiate* (L.R.I.B.A.) is a fully qualified corporate member, and is entitled to the designation "Chartered Architect."

Examns. (fee 3 gs.) qualifying for candidature as *District Surveyor* in London or *Building Surveyor* under local authorities are held in Oct.

Allied Societies and branches thereof exist in 36 towns in the U.K., in Montreal, Edmonton (Alta.), Toronto (Ont.), Regina (Sask.), Vancouver (B.C.), Winnipeg (Man.), Adelaide, Melbourne, Brisbane, Sydney, Hobart, Perth, Wellington (N.Z.), Cape Town, Bulawayo, Durban, Johannesburg, Nairobi, Singapore, Bombay, and Rangoon.

The R.I.B.A. (Henry Jarvis) Studentship, £250 for 2 years, tenable at the British School at Rome, is open only to British subjects who are Associates or Students, R.I.B.A. Information regarding this and other Studentships and Prizes is given in a pamphlet.

The R.I.B.A. (Archibald Dawnay) Scholarships are offered for competition among students of recognized Schools of Arch., and are intended to foster the advanced study of all forms of construction.

Publications include the *Kalendar*, 3s. 9d., containing, *inter alia*, a historical sketch, regns. for international and other competitions, and information about the allied societies. *Journal*, in 20 numbers annually, 1s. 6d. each number. *Explanatory Pamphlet on Examns.*, 1s. and postage. *Past Examns. Questions*, price 1s. 6d. and postage.

VI

AUCTIONEERS' AND ESTATE AGENTS' INSTITUTE OF THE UNITED KINGDOM

Address—29 Lincoln's Inn Fields, London, W.C.2.

Examinations are held annually in March in London, Birmingham, Bristol, Cardiff, Manchester, Newcastle-upon-Tyne, and Belfast.

The Preliminary (fee 1 g.) is for the grade of *Student*, the Intermediate (fee 2 gs.) for the grade of *Licentiate*, and Final (fee 3 gs.), or the Direct Final (fee 5 gs.), for the grades of *Associate* (A.A.I.) and *Fellow* (F.A.I.).

The subjects of the *Preliminary* are English Compn., Maths., Geog., Hist. of England, General Knowledge, one foreign language (Elem. Latin, French, Spanish, Italian, or German), and either Shorthand or

Elem. Book-keeping. Exempting examns.: Matricn. of a Univ. in the U.K., Prelim. of Law Soc., Surv. Instn., Inst. C.A., Soc. of Inc. Acctts. and Audtrs., Special Army Ed. Certif., London Chamber of Com. (Comml.), those in Appendix No. XX., numbered 7, 8 (*a*) and (*b*), 9, 10, 11, 12, 13, 13*a*, 14, 16. Minimum age, 16.

The *Intermediate* is open to Students and Articled Clerks and others who have gained practical experience. Minimum age, 19. The subjects are Book-keeping, Plans and Mensuration, Valuation Tables, Law of Landlord and Tenant, Dilapidations and Fixtures, and 2 out of 5 other subjects. Exempting examns.: London B.Sc. (Estate Management) Final, and, as regards some of the subjects, the Interm. B.Sc.; Cambridge B.A. (obtained on completion of Camb. Agric. or Estate Management course). After 1928 this examn. will be open only to those who have passed or been exempted from the Institute's Preliminary Examn.

The *Final* is open to persons who have passed or been exempted from the Interm.; the Direct Final, to persons not less than 25 yrs. of age who fulfil certain conditions as to practical experience. The subjects of the Final are: Valuations, Law of Vendors and Purchasers, Elements of Law of Receiverships and Mortgage, Arbitrations and Compulsory Purchase, Sanitation, Law and Practice of Rating and Taxation, Report Writing, and two out of a list of 6 other subjects. The Direct Final includes also the following from the Interm. list: Book-keeping, Plans and Mensuration, and Law of Landlord and Tenant.

Minimum age for admission to Student grade, 16; Licentiate grade, 19; Associate grade, 25; Fellow, 30. Candidates must also fulfil specified conditions as to practical experience.

Publications: Regns. and Syllabus with list of Text-books and particulars of Prizes and *Scholarships* (value up to £50), 1s. Last Examn. Questions, 2s.

THE COLLEGE OF ESTATE MANAGEMENT, 35 Lincoln's Inn Fields, London, W.C.2. Incorporated by Royal Charter. Instruction—daytime, evening, and by correspondence—in preparation for the examns. of the Auctioneers' Institute, the Surveyors' Instn., the Land Agents' Society, and the Univ. of London (B.Sc. degree). Principal, B. W. Adkin, F.S.I., F.A.I., F.E.S., M.R.A.S.E., Barr.-at-Law. Directors of studies in Urban and in Rural Science and 16 other Lectrs. and Instrs.

THE LAND AGENTS' SOCIETY (INCORPORATED)

Address—12 Little College Street, London, S.W.1.

Qualifications for (1) Fellowship: Having passed the Society's examns. and being suitable in other respects (position and experience). The Council have special dispensing powers to elect as Fellows, without examn., Land Agents of exceptional standing and experience. (2) Qualified Associateship: Having passed the Society's examns. and having had at least 2 yrs.' practical experience other than as a pupil paying a premium. (3) Associateship: Being a Pupil with a Land Agent who is, or is qualified to be, a Fellow or Qualified Associate.

Examinations annually in March. Entries up to Dec. 1. Fee for each Part, 4 gs. Part I. comprises Agric. (Elementary), Surveying, Agr. Law (Elem.), Taxation and charges on Land, Building Constn., etc., Forestry, Book-keeping. Part II. is of an advanced character to test practical knowledge. Candidates, 35 years of age and over, with seven years' responsible experience are permitted to sit for Part II. as a Direct Fellowship Examination. (Syllabus and Examn. Papers, 2s.)

Journal, published monthly, 2s. 6d. to non-members.

VII

THE INSTITUTE OF BANKERS

Founded 1879. *Address*—5 Bishopsgate, E.C.2. Local centres in Bath, Birmingham, Blackpool, Bournemouth, Bradford, Brighton, Bristol, Cardiff, Chatham, Chester, Derby, Exeter, Hull, Ipswich, Leeds, Leicester, Liverpool, Middlesbrough, Newcastle-on-Tyne, Northampton, North Staffs, North Wales (two Centres), Norwich, Nottingham, Oxford, Peterborough, Plymouth, Sheffield, Southampton, Southend, and Swansea. Subscription ½ g. to 2 gs. p.a.

Qualifications for election to Associateship: (*a*) 10 yrs.' service in a Banking Establishment, or (*b*) passing approved examns., or (*c*) being a graduate of a University and on the staff of a Banking Establishment. Ordinary members are elected from the staff of any Banking Establishment on the Council's list. Associates by examination may add to their names or signatures, " Cert. A.I.B."

Examinations, open to members only, (i.) For the Associate Certificate, held in April in London, the provinces, and abroad. Latest entry date—February 15th.* Subjects: Practice and Law of Banking, Economics, Engl. Compn., Comml. Geog., Foreign Exchange; optional —French, Spanish, Italian, Portuguese, German. The examn. is divided into two parts extending over not less than 2 yrs. Examns. *exempting* from Part I. in Practice and Law,—examns. for B.Com. of Bombay or Lucknow with Banking as special subject; in Econs.,—examn. by Prof. Knoop at Univ. of Sheffield. Certain certificates obtainable in Manchester, Leeds, Birmingham, Scotland, and Ireland are also recognized. (ii.) For Diploma in French, Spanish, Portuguese, Italian, and German, held annually in the spring. *Scholarships* entitling holder to spend 2 months in a bank abroad are awarded in connexion with the Diploma examns. *Classes* in preparation for the Language examns. are held by the Institute, and in preparation for all subjects by the local centres.

Courses of *Lectures* in Banking and kindred subjects are given during the winter in London and some provincial towns. *Library* (lending), 6500 vols. *Journal* monthly, Oct. to June, 1s. 6d. (15s. p.a., post free). *Examn. Questions* (1925 and 1926), 6d. each part.

* For members outside Europe; January 31.

VIII

INSTITUTE OF CHEMISTRY OF GREAT BRITAIN AND IRELAND

Founded 1877. Incorporated by Royal Charter, 1885. *Address*—30 Russell Sq., London, W.C.1. *Library* of 4500 vols. *Laboratories*, available for use for examination purposes by other institutions as well as for the I.C.'s own examns. *Appointments Registers* of Fellows, Associates, Registered Students, and of Laboratory Assts.

Studentship. Minimum age, 16. Annual subs., 10s. A candidate for admission must have passed an approved Prelim. examn. of Univ. matricn. standard in English, Elem. Maths., an approved foreign language, and either a second lang. or one of the following: Higher Maths., Engl. Hist., Geog., Bot., Chem., Geol., Mechanics, Physics, Zool., and must be undergoing a course of preparation and training for the practice of Chemistry in one of the teaching institutions recognized by the Council, or as a pupil of a Fellow of the Institute in a lab. or works approved by the Council. The approved Prelim. examns. include those in Appendix XX., numbered 7, 8 (*a*) and (*b*), 9, 10, 11, 12, 13, 13*a*, 14, 16, 18, 22; any examination admitting a student as a matriculated student of any University approved by the Council, and other corresponding Entrance examns. approved by the Council. The candidate should have passed in the compulsory subjects at one examn.

The institutions recognized for the training of candidates for the Examns. of the I.C. are those in connexion with the Univ. of London shown on pp. 106, 176—(U.), (K.), (Im.), (Bk.), (EL.), (2), (5), (8), (10) (evening), (11), (12); Armstrong Coll., Newcastle; Constituent Colls. of Wales and of N.U.I.; all other Univs. in the U.K.; Univ. Colls., Exeter, Leicester, Nottingham, and Southampton; Belfast, Birmingham and Blackburn Munic. Tech. Schools, Bradford City Tech. Coll., Huddersfield Tech. Coll., Leeds Central Tech. Sch., Loughborough Tech. Coll., Salford Royal Tech. Inst., Wigan Mining and Tech. Coll., Cardiff Tech. Coll., R. Tech. Coll. Glasgow, Heriot-Watt Coll., Paisley Tech. Coll., C.Sc.I.; Overseas Univs.—McGill, Queen's Univ. (Ontario), Toronto, Adel., Melb., Syd., W. Aust., Univ. of N.Z., Cape Town, Univ. of South Africa—Constituent Colls., Stellenbosch.

The compulsory subjects of training are Chem., Physics, and Maths., the course in Chem. extending over 4 yrs. Evening class training is recognized if the candidate is engaged in the practice of Chem. during the day and attends a systematic course previously approved by the Council extending over 5 yrs., and is recommended by his teachers. Evidence of having passed the class or other examns. is required.

The A.I.C. examn. in General Chemistry (inorganic, organic, and physical), fee 5 guineas, occupies 6 days, including 4 days of practical Chemistry, and is open to students who have completed the prescribed training or have obtained a degree including the necessary subjects,

and worked for a further year in a recognized Univ. or Coll., or for 2 yrs. with a Fellow in a lab. or works approved by the Council, or have been otherwise trained to the satisfaction of the Council and been engaged in the study and practice of Chem. for 8 yrs. The A.I.C. may be granted (without examn.) to graduates with 1st or 2nd Class Hons. in Chem., or holders of diplomas recognized as equivalent, who have completed a 4 yrs.' course in the requisite subjects or a 3 yrs.' course supplemented by approved experience in laboratories or works. The Institute recognizes the Final B.Sc. with 1st or 2nd Class Hons. in Chem. of all Univs. of the U.K., of McGill, Toronto, Adelaide, Melb., Syd.; the Final M.A. of the Univ. of Cape Town with Chem. as principal subject, and the Final B.A. of Toronto with 1st or 2nd Class Hons. in the graduating Dept. of Chem. and Mineralogy. Applications from candidates having diplomas of a specialized character will be decided on their merits. Entrance fee, 2 gs. Annual subsn., 1½ g.

The F.I.C. examn., fee 10 gs. (for Associates, 5 gs.), occupies at least 5 days in any one of the following branches: Inorganic with Sections, Mineral Products, Metallurgy, Manufactured Products; Physical; Organic; Agricultural; Foods and Drugs and Water; Bio-Chemistry; Chem. Engineering; Genl. Chem. Open to Associates of 3 yrs.' standing; in exceptional cases to other candidates who have been systematically trained and had considerable experience. The F.I.C. may in exceptional circumstances be granted without examn. to Associates of 3 yrs.' standing who have carried out original research or devised processes or inventions or given other sufficient evidence of knowledge and ability. Entrance fee, 5 gs. Annual subsn., 2 gs.

Arrangements have been made between the Board of Education and the Institute for the award of national certificates in Chemistry to students in technical schools and colleges in England and Wales (Rules 100, 1921, 2d.). Under this scheme the Institute in conjunction with the Board approves schemes of training submitted by the technical schools or colleges, for the award of certificates for part-time grouped courses, including in addition to chemistry suitable courses in physics, mathematics, and cognate subjects. Courses for Part-time Course certifs. are designated *Senior* for the Ordinary and *Advanced* for the Higher certif. A similar scheme is in operation in Scotland, in conjunction with the Scottish Education Department, and a further scheme will shortly come into operation in conjunction with the Ministry of Education, Northern Ireland. Holders of Advanced Part-time Certificates can ascertain from the Registrar of the Institute how far their training may be recognized as qualifying for admission to the examn. for its Associateship.

Publications. Register of Members; *Regns. for Admission*; *Examn. Papers*, 1s. a set; *List of Official Chemical Appointments*, 5th edition, Jan. 1924, 5s. net. (This includes a *List of Societies and Institutions* directly interested in the advancement of Chemical Science and Technology, with information as to their chief objects.) *Journal and Prodgs.*, 6 parts annually, 2s. each; *History of Inst.*, 21s.; *Lectures* (monographs on various industries—Branches of chemical practice, etc.) at various prices.

CHEMICAL SOCIETY

Address—Burlington House, London, W.1. Professional qualification not required. Entrance by ballot, annual subs. £3. Library, 30,000 vols. Monthly Journal and Abstracts. Annual Reports on the progress of Chemistry. Research Fund from which grants are made (in 1925 they amounted to £758) for purchase of special materials for research.

IX

INSTITUTION OF CIVIL ENGINEERS

Established 1818. Incorporated by Royal Charter, 1828. *Address*—Great George St., Westminster, S.W.1. *Telegrams*—Institution, London.

Examinations, (i.) Preliminary and (ii.) Associate Membership, are held annually in April and Oct. in London. Entries receivable up to Feb. 28 and Aug. 31. The April Prelim. and Oct. A.M. may also be held, the former in Manchester, Glasgow, and Newcastle-upon-Tyne, the latter in the King's Dominions overseas. (i.) may also under certain conditions be held overseas.

For admission to (i.) nomination by a corporate member is necessary, and conditions relating to practical training have to be fulfilled. It includes English, Maths., and one language and one science subject from the following: Elem. Chem., Elem. Mechanics, Elem. Physics, Latin, Greek, French, German, Ital., Span., Port., Dutch, Hindustani, Russian.

Admission to (ii.) is open to (*a*) *Students* of the Instn. (v. ***infra***) of at least 1 yr.'s standing between ages 21 and 26, and (*b*) persons of at least 25 yrs. of age who have passed or are exempt from (i.) and are in other respects (training, experience, etc.) qualified for election into the Institution. It includes papers in (A) Mechanics, Strength and Elasticity of Materials, Electricity and Magnetism, *either* Theory of Structures *or* Theory of Machines; (B) 2 out of 9 other subjects; and (C) Engin. Drawings, Specifications, and Quantities.

For admission as *Student* age must be between 18 and 25, and candidate must be recommended by a corporate member under whom he is or has been in course of preparation and training in accordance with the Instn.'s prescriptions. A candidate for election as *Associate* Member must satisfy the Council as to his training and experience, and must, unless exempted, pass (i.) and (ii.). Exemption from (i.) is granted to graduates of any Univ. of the Empire, and Whitworth Scholars and, subject to provisos, persons who have passed certain school and matriculation examns. in Great Britain and Ireland, Canada

(McGill Univ.), Australia, New Zealand, and South Africa. Exemption from sections (A) and (B) of (ii.) is granted for the following degrees if taken after 3 yrs.' study in the several Univs. in accordance with their regns. : Oxford B.A. with Hons. in Engin. Sc. Final Hons. Sch. ; Camb. B.A. Hons. Mech. Sc. Trip. ; B.Sc. in Engin. of Edin., Glas., St. And., Belf., S. Africa, Cape Town, and Witwatersrand ; B.A.I. of Dublin ; B.E. Nat. Univ., Ireland ; and, subject in some cases to certain qualifications, engineering degrees of all the other Univs. of England and Wales, and of McGill, Adelaide, Melbourne, Queensland, Western Australia, Sydney, and New Zealand.

Members and Associate members are entitled to the designation *Chartered Civil Engineer.*

Publications. Report on Methods of Educn. and Training of all Classes of Engrs., 1906, Wm. Clowes, 94 Jermyn St., S.W.1, post free, 11d. ; *Report of Confce. on Educn. and Training,* June 1911 ; Papers and Reports on Technical Subjects.

INSTITUTION OF ELECTRICAL ENGINEERS

Founded 1871. Incorporated by Royal Charter, 1921. *Address*— Savoy Place, Victoria Embankment, London, W.C.2. *Telegrams*— Voltampere, Phone, London.

Examinations are held in London and other centres in Great Britain twice annually, namely, in April and October, of candidates for *Associate Membership.* Applications should reach the Secy. not later than Feb. 1 and Sept. 1 respectively. Examns. may also be held abroad at the discretion of the Council. Part I. of the examn. includes English essay or translation into English from French, German, Italian, or Spanish ; Applied Mechanics, Electricity and Magnetism ; and either Heat, Light, and Sound or Chem. Part II. consists of papers on technical subjects only.

A candidate for the Associate Membership is required, unless exempted, to pass the examn. or to present a thesis, paper, or other written work on Electrical Engineering or its applications. He must also be at least 25 years of age or have been a Student of the Institution for at least 3 yrs., must be engaged in one of the branches of El. Eng., and satisfy the Council as to his experience, etc.

Engineering Degrees and "intermediate" or "first science" examinations of Universities in the British Empire are recognized, subject to certain provisos, for exemption from the whole of the Associate Membership Examn. and from Part I. respectively. Numerous diplomas in electrical engineering are likewise recognized.

National Certificates and Diplomas are awarded by the Institution and the Board of Education jointly on lines similar to those for Mechanical Engineers, v. *infra.*

INSTITUTION OF MECHANICAL ENGINEERS

Established 1847. *Address*—Storey's Gate, St. James's Park, London, S.W.1. *Telegrams*—Mech. Parl., London.

Examinations are held in London and at provincial centres in April and Oct., and at overseas centres in Oct.: (i.) *Studentship* (minimum age, 16), including papers in English, Elem. Maths., Elem. Mechanics, and either Physics or Chem. (ii.) The *Associate Membership* Examination, including—Section A: a Modern Lang., App. Maths., Physics and Chem.; Section B: Theory of Machines and Machine Design, Properties and Strength of Materials, and an optional technical subject; also Section C: The Economics of Engineering.

A candidate for election as *Graduate* must, unless exempted (*see below*), have passed Sections A and B of examn. (ii.), and have received or be receiving sufficient regular training as a mechanical engineer to fit him for employment as a mechanical engineer. Minimum age, 21.

A candidate for election as *Associate Member* must be a practising Engineer at least 25 yrs. of age. The passing of the A.M. or equivalent examn. is an indispensable qualification up to the age of 33, and he must, in addition, have been regularly trained as a M.E. and have had sufficient practical experience in the direction or design of Engineering work.

Examinations exempting from (1): graduateship of any Univ. in the British Empire; subject to certain provisos, most of the examns. specified in Appendix XX. and several others, including certain examns. held in South Africa, Australia, New Zealand, and Hong-Kong.

Examns. exempting from Section A and Section B of examn. (ii.): Engineering Degrees of any Univ. in Gt. Britain, Ireland, British Dominions, or India, except such as may be specifically excluded; Camb. B.A. Hons. in Eng. and, if Spl. examns. in Eng. Sc. and in either Chem., Physics, or Political Economy were passed, or under new Regulations, Engineering I. and II., with another subject from a list, the ordinary B.A.; Manc. Certif. in Technology, Mech. or El. Eng.; Eng. Degree of a Foreign Univ. if recognized by the Council; Diploma in Eng. of Univ., King's, or City and Guilds (Engin.) Coll., London; Dipl. or Higher Certif. (3 yrs.' course) of City and Guilds of Lond. Inst. if taken by matricd. student; Final Dipl. in Mech. or El. E. of R.T.C., Glas., if approved Matricn. examn. passed before beginning course; R.N. examn. qualifying as Lieut. (E.); R.N. College Prof. Certif. for Constructors; Inst. C.E., Assoc. M.; Whitworth Scholps. and Exhibns. The above do not exempt from Section C. A degree in Commerce of a British Univ., however, exempts from this paper.

National Certificates and Diplomas are awarded by the Institution in conjunction with the Board of Education to students of approved Technical Schools and Colleges (v. Board of Education, Rules 106, 1921, 1d.). Certificates are awarded in respect of part-time and Diplomas in respect of full-time grouped courses. Part-time courses are classified as *Senior* or *Advanced*, the latter aiming at reaching,

within the limits of the subjects covered by them, the standard of University work. Full-time courses are also classified as *Senior* (for Secondary School students aged 16) and *Advanced* (for Secondary School students aged 17 or 18 or students who have been for 2 yrs. in regular employment with concurrent instruction at senior or advanced part-time courses). The courses must extend over at least 2 yrs. and the senior part-time course should normally extend over 3. The Certifs. and Diplomas relating to Senior and Advanced courses respectively are known as *Ordinary* and *Higher*. The *Higher* Certifs. and Diplomas exempt candidates from certain subjects of the Associate membership examn.

ROYAL AERONAUTICAL SOCIETY

Founded 1866. *Address*—7 Albemarle St., London, W.1.

Membership may be either technical (Students, Associates, Associate Fellows, and Fellows) or non-technical. *Associate Fellowship* (A.F.R.Ae.S.) is reserved for those who have attained to an acknowledged position in the science of aeronautics; *Fellowship* (F.R.Ae.S.) for those who have attained to considerable eminence. Annual subsn. 1 g., 2 gs., £3 : 10s., and 5 gs., according to class. Entrance for Assoc. Fellows and Fellows, 3 gs. *Library*, including large recent acquisitions due to grant from Carnegie U.K. Trust, available to non-members through the medium of the Central Library for Students, 9 Galen Place, W.C.1. *Lectures*, fortnightly in winter. *Publications*: *Journal* (monthly) and *Transactions* (occasional).

INSTITUTION OF AUTOMOBILE ENGINEERS

Incorporated 1907. *Address*—Watergate House, York Buildings, Adelphi, W.C.2.

Qualifications for (1) Ordinary Membership (M.I.A.E.): minimum age, 25; having occupied during a sufficient period a responsible position in connexion with the practice, or otherwise proved thorough knowledge of theory and practice, of Automobile Engineering; (2) Associate Membership (A.M.I.A.E.): min. age, 23; having been trained as Engineer and subsequently employed for at least 2 yrs. in practice and science of A.E. and being actually so engaged, and having proved by examn. or otherwise thorough knowledge of the theory and practice of A.E. Persons suitably qualified may also join as graduates, students, associates, or affiliates. Annual subsn. 1 g. to 4 gs. according to class. Prizes up to £25 for Papers by Graduates.

INSTITUTION OF CHEMICAL ENGINEERS

Incorporated Dec. 21, 1922. *Address*—Abbey House, Victoria Street, London, S.W.1.

Membership (M.I.Chem.E.) qualifications: minimum age, 32, and satisfactory evidence of good general and scientific education, training, and experience, or of eminence as a Chemical Engineer. *Associate Membership* (A.M.I.Chem.E.): candidates not below the age of 25 who have had regular training and sufficient experience may qualify by passing a prescribed examn. Alternative qualifications are also provided for. Subscriptions of "students," graduates, and corporate members range from ½ g. to 5 gs.

INSTITUTION OF GAS ENGINEERS

Founded 1863. Incorporated 1902. *Address*—28 Grosvenor Garde Westminster, S.W.1.

In 1923 a scheme for awarding grouped course Certificates, Ordinary and Higher, for success in part-time day or evening courses, on lines similar to those for National Certificates in electrical and mechanical engineering (v. *supra*), was adopted with the approval of the Govt. education authorities of Great Britain and Ireland. Provision has also been made for granting *Diplomas* in Gas Engineering and in Gas Supply for success in an examination. There are not at present any examns. for admission to membership of the Institution.

THE INSTITUTE OF MARINE ENGINEERS, INCORPORATED

Established 1889. *Address*—85 The Minories, Tower Hill, London, E.1.

Membership or Associate-Membership open to Engineers holding First or Second Class Sea-going Certificates or those holding responsible or qualifying positions and engaged in the science or practice of Engineering or Shipbuilding; Associateship, to juniors so engaged and at least 21 years of age; Graduateship, to those receiving training in such science or practice who have completed one year of such training; Student Graduateship, to those who have attended Technical classes for a year, are training for such science or practice, and have passed the Institute's examn. The examn. (fee, 2s. 6d.) is held in London and the provinces in April in the following subjects: Theoretical Mechanics, Heat and Heat Engines, Machine Constn. and Drawing, Applied Mechanics, Maths., English, Elec. Engin. Entrance fee, 10s. to 30s. and annual subsn., 5s. to £1 : 11 : 6 according to grade of membership.

Library (over 3000 vols.) and Reading Room. Lectures monthly

(on 3rd Tuesday) during winter session. Gold Medal and other awards for Essay competitions.

Lloyd's Register Scholarships: Three of £100 p.a. tenable for 3 yrs. in a University or College (day classes), open for competition, by examn., to British subjects, aged 18-23, who are Graduates or Associates of the Inst., apprentices or junior engineers, not necessarily connected with the Inst., who have served at least 2 yrs. in a commercial engineering workshop and until the time of application have been employed at engineering either ashore, afloat, or at College with a view to entering upon the business of Marine Engineering. The examn. is held about end of May each year in various centres to suit the residences of candidates in Great Britain.

INSTITUTION OF NAVAL ARCHITECTS

Founded 1860. Incorporated by Royal Charter, 1910. *Address*—5 Adelphi Terrace, London, W.C.2.

Principal qualifications for Membership: minimum age, 30; having served apprenticeship in naval architecture or marine engineering and subsequently been engaged in such occupation and having held a post of primary responsibility for 7 yrs. or more. Qualifications for Associate Membership are similar, but minimum age is 25 and post of primary responsibility need not have been held. Age-limit for Associates, 25; Students, 18-25. Entrance fee and annual subsn., 2 gs. each, except for students, who pay subsn. 15s. p.a. and no entrance fee. Distinctive letters, M.I.N.A., etc.

Scholarships in naval architecture and marine engineering: number unspecified, varying in value from £75 to £150 p.a., offered for competition, open to students and apprentices in firms engaged in shipbuilding industry and Royal dockyards; two for post-graduate research in naval architecture (value £250 p.a. and £150 p.a. respectively) are awarded on recommendation of Univ. authorities.

Annual meetings, when papers are read and discussed. Summer meetings at shipbuilding centres at home or abroad.

Library, over 4000 vols., comprising principal works on shipbuilding, ancient and modern. *Transactions*, issued annually, constitute a permanent record for over 60 yrs. of all important developments in shipbuilding and marine engineering: £3 : 3s. for current volume (issued free to members), £2 : 2s. to 10s. 6d. for earlier numbers. Total membership about 2900, including many foreign naval architects of eminence.

NORTH-EAST COAST INSTITUTION OF ENGINEERS AND SHIPBUILDERS

Founded 1884. Incorporated in 1914 under Companies Acts. *Address*—Bolbec Hall, Newcastle-on-Tyne.

Qualifications for Membership, Associate Membership, etc., are somewhat similar to those prescribed by the Institution of Naval Architects (v. *supra*). Distinctive letters, M.N.E.C.Inst., etc. All members are, by virtue of their membership, also members of the *Cleveland Scientific and Technical Institution, Middlesbrough.*

Scholarship in shipbuilding, marine, mechanical, or electrical engineering of the value of £100 awarded annually upon the results of an examn. held in Sept.

Library containing over 5000 books on engineering and shipbuilding subjects. Reading Room receiving regularly 130 British, foreign, and colonial periodicals. *Transactions* issued in 8 Parts since 1884. Price of Parts, 5s. each. Annual volume, 25s. Papers published also in excerpt form usually 5s. per copy, with discussion, correspondence, and author's reply.

INSTITUTION OF ENGINEERS AND SHIPBUILDERS IN SCOTLAND

Founded 1857. Incorporated 1871. *Address*—Elmbank Crescent, Glasgow.

Qualifications for Membership, Associateship, etc., are somewhat similar to those prescribed by the Institution of Naval Architects (v. *supra*). Distinctive letters, M.I.E.S., etc. The Institution reciprocates with the North-East Coast Institution in regard to the use of premises and attendance at meetings. It exchanges *Transactions* with 79 scientific societies and receives in exchange 93 periodicals.

INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS

Founded 1873. Incorporated 1890. *Address*—92 Victoria Street, London, S.W.1. A Constituent Institution of the Joint Engineering Council.

Qualifications for Membership (M.Inst.M. and Cy.E.): minimum age, 25; either holding a permanent chief appointment as an Engineer or Surveyor under a Municipal Corporation or other such Public Authority, or holding a permanent appointment as Deputy Engineer or Surveyor or the like and having passed the examn. of the Instn. or obtained equivalent Degree or Diploma, and in the case of deputies, etc., testimony of professional ability and experience justifying

election. Qualifications for Associate: Membership (A.M.Inst.M. and Cy.E.); minimum age, 22; having undergone a recognized course of instruction as Civil Engineer and Surveyor and holding a position as Engineer Asst. or Resident Engineer or the like under a Public Authority; and having passed the examn. of the Instn. or satisfied the Council that he has equivalent engineering qualifications. A candidate for election as student (age-limits 18 to 24) must be undergoing or have undergone a regular course of training as an articled pupil to, or hold an approved appointment with, an Engineer or Surveyor to a Public Authority.

Entrance fee for Member and Assoc. Member, 1½ g., £1 : 5s.; subsn. 2 gs., 1½ g. Student's subsn., 1 g.

Examinations are held in London in April and Oct. Examns. are also held in Scotland, Ireland, India, S. Africa, and other parts of the Empire. Applications receivable up to Nov. 1 and May 1. Three certificates are awarded: (*a*) Testamur for general proficiency in work of a local govt. engineer and surveyor; (*b*) certificate in Town Planning; (*c*) certificate in County and Highway Engineering for specialized knowledge of road and bridge engineering and highway management and administration.

Qualifications for admission to the examns.: minimum age, 21; certificate of having passed the matricn. examn. of some University in the British Empire or an Examn. of similar standard approved by the Council; fees—(*a*) 4 gs., (*b*) or (*c*) 1½ or 3 gs.

Inquiries about examns. in India and S. Africa may be addressed to M. Lea, Chief Engineer, Municipal Office, Karachi, India, and H. M. Ladell, Town and Water Engineer, Wynberg, Cape Colony, respectively.

Publications: *Journal*, fortnightly, 2 gs. p.a.; *Town Planning Conference 1913*, 10s. 6d.; Handbook containing lists of Members, Regns., etc., 5s.; and several others.

INSTITUTION OF STRUCTURAL ENGINEERS

Founded 1908, and incorporated 1909 as "The Concrete Institute." *Address*—10 Upper Belgrave Street, London, S.W.1. *Telegrams*—Coninst, Sloane, London. Branches (6): Lancashire and Cheshire, Western Counties, Yorkshire, Midland Counties, South-Western, and Irish.

Admission to the class of Member is open only by examn., through the Graduate and Associate-Membership classes. Admission to Associateship is direct, but candidates must be Fellows either of the R.I.B.A. or Surveyors' Institution, or must be of equivalent professional standing. Distinctive initials of members, etc., M.I.Struct.E., etc.

Publications: *The Structural Engineer*, monthly, 1s. 2d. post free; *Yearbook*, 3s. 8d. post free; numerous books and reports on technical subjects.

X

THE BAR IN ENGLAND AND WALES

THE right to practise as a Barrister in the Law Courts of England and Wales is restricted to those who have been called to the Bar by one of the Inns of Court—Lincoln's Inn, Middle Temple, Inner Temple, and Gray's Inn. The consolidated Regulations of these Societies (obtainable from the *Council of Legal Education*, 15 Old Square, Lincoln's Inn, London, W.C.2) provide, *inter alia*, as follows: *Admission of Students.* The conditions include: (i.) having passed any examn. held by any Univ. in the British Dominions or any of the States in India, approved by the Council of Legal Educn., which entitles to a degree or, provided that one of the subjects in which the Student has passed is Latin, one of certain other examinations approved by the Council of Legal Education; (ii.) satisfactory evidence of good character; (iii.) declaration that the candidate will not "directly or indirectly apply for or take out any certificate to practise, directly or indirectly, as a Pleader or Conveyancer or Draftsman in Equity, without the special permission of the Masters of the Bench," and is not and does not "directly or indirectly act in the capacity of a Solicitor, Attorney-at-Law . . . Professional Accountant, Actuary, Land-Agent, Surveyor . . ." or "in any capacity similar to any of those . . . otherwise than as. . . ." The Schedule of approved Prelim. examns. includes those numbered in Appendix No. XX., as 1, 2, 3, 5, 6, 8 (*a*) (*b*), 9 or 10 (subject to provisos), 18 (according to standard applicable to students whose native language is English), 20, 21. The Council may add others, and the Masters of the Bench of the Inn of Court concerned may, in special cases, relax or dispense with this requirement.

Keeping Terms. This is done by eating dinners 6 days in each of 12 terms (members of Univs. of the U.K. 3 days). There are 4 terms in each year.

Education and Examination. Systematic instruction is provided under the supervision and direction of the Council of Legal Education in Roman, International, Constitutional, and English Law, Jurisprudence, Legal History, and Equity. Reading in the chambers of a Barrister or Pleader for the purpose of studying the practice of Law is recommended, but not compulsory. Four examns. for Call to the Bar are held each year. Candidates must satisfy the examiners in each of the sections: (1) Roman Law, (2) Constitutional Law (English and Colonial) and Legal History, (3) Criminal Law, (4) Real Property and Conveyancing *or* Hindu and Mohammedan Law *or* Roman-Dutch Law, (5) Common Law, (6) Equity, (7) Law of Evidence and Civil Procedure, (8) General Paper on 5, 6, and 7. A student who has passed an examination in Roman Law, forming part of a qualifying examination for a Univ. degree, may be excused the examination in Section 1. Sections 1 to 4 (constituting Part I.) may be taken separately (fee, ½ g. each); 5 to 8 (the Final examination) must be taken together (fee, 2 gs.)

after having passed 1 to 4 and, ordinarily, after having kept at least 6 terms.

The successful students are classified and the names of those in Classes I. and II. of the Final Examination Pass List are arranged in order of merit. A Certificate of Honour is granted to those in Class I. at the Final examination. Prizes of £50 each may be awarded for the best students (not over 25 yrs. of age) in Sections (2) and (3), and a Studentship of 100 gs. p.a. tenable for 3 yrs. to the best student (not over 25 yrs. of age) at the Final examination. The Inn to which a student who has obtained a Studentship or Certificate of Honour belongs may, if desired, dispense with any Terms, not exceeding 2, that may remain to be kept by him.

Calls to the Bar. Minimum age, 21. In special circumstances the Masters of the Bench may dispense with the keeping of not more than 2 of the 12 terms ordinarily required to be kept by a student before he is called, and special concessions in regard to the keeping of terms or examinations, etc., are allowed to Scottish Advocates, Irish Barristers, members of the Bar of New South Wales, Ceylon, the Cape Province of South Africa, New Zealand, Vakils of High Courts in India, certain Civil Servants exercising judicial functions abroad, and to persons who, prior to admission as students, have practised as Solicitors for 5 yrs. subsequent to admission as a solicitor *in England* (including interruptions caused by war service).

Fees. On admission: application, 1 g.; stamp duty, £25; lecture fee, 12 gs.; admission fees, £20 or £21. On Call: stamp duty, £50; composition for annual dues, £12; call fees, £38 (Gray's), £40 (Lincoln's), £50 (Middle or Inner).

SOLICITORS IN ENGLAND AND WALES

Examinations are held by the LAW SOCIETY, Chancery Lane, London, W.C.2. All persons, except some Colonial Solicitors, are subject to Final examination at conclusion of service under Articles before they can be admitted as Solicitors. Subjects of Foreign States cannot be admitted. English Barristers of 5 yrs.' standing are not required to enter into Articles, but may be admitted after passing the Final examn. Before entering into Articles of Clerkship (under the Solrs. Act, 1877) with a view to admission as Solicitors it is necessary, except for persons exempted, to pass a ***Preliminary examn.*** (fee, £4) held in London and several provincial towns in Feb., July, and Oct., in English, Elem. Maths., Geog. of Europe, and Hist. of England, Latin, and one or (if Algebra and Elem. Geom. are not taken) two of the following—Latin translation, Greek, French, German, Spanish, Italian. Exemption is allowed to graduates in Arts or Laws and persons who have passed matricn. or other corresponding examns. of any Univ. of Great Britain or Ireland or examns. exempting therefrom; to Utter Barristers in England; and to persons who have passed Oxford Responsions or Cambridge Previous Examn. or any examn. exempting therefrom, or, subject to provisos, approved School Certificate or Higher Certificate examns., or certain other examns. The list of these examns. will be curtailed on Aug. 3, 1927.

Service under Articles (stamp duty, £80) is normally for 5 yrs. This may be reduced : (1) to 3 yrs. for graduates in Arts or Laws or Science of any Univ. of the U.K., English Barrister of less than 5 yrs.' standing, or for members of the Faculty of Advocates, Writers to the Signet and Solrs. in the Supreme Courts of Scotland, or Procurators before any of the Sheriff Courts of Scotland ; (2) to 4 yrs. for persons who have (*a*) passed examns. Nos. (v. Appendix XX.) 1, 1*a*, 1*b*, 2, 3 (1st Division), 4*a*, 6 (1st Division), 13 (with Hons.), 24, or an approved Higher Certificate examn. and have fulfilled certain conditions in connexion therewith, or (*b*) before entering into Articles attended for 1 yr. the approved curriculum of study at the Law Society and complied with certain regulations in connexion therewith, or (*c*) before entering into Articles passed examn. No. 6 (Latin being taken), and subsequently attended, to the satisfaction of the Univ., the curriculum for the Interm. LL.B. of Leeds, Liverpool, Manchester, or Sheffield, and passed the Interm. LL.B. examn.

An *Intermediate* examn. (fee, £6), which may be taken after completing 12 months' service, is held in March, June, and Nov. Exemption from the Legal portion (but not from the Trust Accounts and Book-keeping portion) is given to those who (i.) before or after entering into Articles have passed the examn. for the B.C.L. or LL.B. at any of the Univs. of England (except Bristol) and Wales or at the Univ. of Dublin ; or (ii.) before entering into Articles have taken Honours in the Final Honour School of Jurispr. at Oxford or in the Law Tripos at Cambridge. Exemption from the whole of this examn. in consideration of circumstances connected with the war is obtainable under certain conditions (v. sec. 2 of Solrs. Act, 1918).

The *Final* examn. (fee, 10 gs.) is held in March, June, and Nov. Prints of the Questions set at this and at the Interm. are obtainable from the Law Society.

The Solicitors Act, 1922. Section 2 provides that a person articled to a solicitor after Dec. 31, 1922, shall not be admitted to the Final Examn. unless he satisfies the Law Society that he has, during a period of one year, complied with the requirements of the Society as to attendance at a Law School provided or approved by the Society. This does not apply to any person who (1) has taken a degree at any Univ. in the U.K., after passing a Final Examn. in law at such Univ. ; or (2) applies to be admitted to the Law Society's Final Examn. after satisfying the requirements of Sect. 4 of the Solrs. Act, 1860. Any person may be wholly or partially exempted from attendance at a Law School if he can satisfy the Law Society that such attendance is for geographical or other reasons impracticable.

Provided and Approved Schools. The Society's Law School in London ; the Univs. of Birmingham (in conjunction with the Birmingham Board of Legal Studies), Bristol, Cambridge, Durham (Armstrong College), Leeds, Liverpool (in conjunction with the Liverpool Board of Legal Studies), London, Manchester, Oxford, Sheffield, Wales (Univ. Colleges, Aberystwyth, Bangor, Cardiff, Swansea), Univ. College, Exeter, Univ. College, Southampton, East Midland Law School (Univ. Colleges of Nottingham and Leicester).

XI

MEDICAL AND DENTAL QUALIFICATIONS AND STUDIES

A. MEDICAL QUALIFICATIONS

Address of the Registrar, General Medical Council—44 Hallam St., Portland Place, London, W.1. *Telegrams*—Genmedicum, Eusroad, London. *Telephone*—Langham 2500. *Addresses of Registrars of Branch Councils*—20 Queen St., Edinburgh; 35 Dawson St., Dublin.

No person is recognized by law as a duly qualified Medical Practitioner in Great Britain or Ireland whose qualification is not *registered* in the books of the *General Medical Council*. Below are lists of the qualifications so registrable—obtainable (*a*) in Great Britain and Ireland, (*b*) in British Possessions overseas, (*c*) in foreign countries. The document presented in evidence of any of these must show that the possessor has passed a Qualifying examn. in Medicine, Surgery, and Midwifery. For registration in the Colonial or Foreign list it is essential that the qualification be first registered in the Province, State, etc., in which it was obtained.

Position of Doctors with Irish Qualifications. Some doubt has arisen as to what the position will be if, as is contemplated, the Irish Free State discontinue the present arrangement, under which the Medical Acts of the United Kingdom have effect in that State. The situation would be as follows:—Persons whose names already appear upon the Medical Register will be in precisely the same position as before and will incur no disability. Persons who obtain Southern Irish qualifications after the arrangement comes to an end will not be entitled to have them registered either on the British or on the Colonial List of the Medical Register, and fresh legislation in the United Kingdom will be required before registration in virtue of these qualifications could be effected. It is possible, however, that the Licensing Authorities in the United Kingdom will recognize courses of medical study in the Irish Free State, and will admit to their Final Examination those who have obtained such Southern Irish qualification. Any person thus obtaining a British qualification in addition to the latter would be entitled to registration in the Medical Register.

(*a*)

Royal College of Physicians, London—F., M., L., R.C.P. Lond.
Royal College of Surgeons of England—F., M., R.C.S. Eng.
Royal College of Physicians of Edinburgh—F., M., L., R.C.P. Edin.
Royal College of Surgeons of Edinburgh—F., L., R.C.S. Edin.
Royal Faculty of Physicians and Surgeons of Glasgow—F., L., R.F.P.S. Glasg.
Royal College of Physicians of Ireland—F., M., L., L.M., R.C.P. Irel
Royal College of Surgeons in Ireland—F., L., L.M., R.C.S. Irel.
Apothecaries' Soc. of London—L.M.S.S.A. Lond.

Apothecaries' Hall, Dublin—L.A.H. Dub.
Each Univ. in Great Britain or Ireland—M.D. (Ox., D.M.), M.B. (Ox., B.M.), Ch.B. or B.Ch. or B.S. (Camb. B.Chir.), Ch.M. or M.Ch. or M.S. or C.M. (Camb. M.Chir.) ; Dub. : L.Med., L.S.
Registrable Diplomas or Certificates for proficiency in Sanitary Science, Public Health, or State Medicine which may be added to qualifications already registered but do not admit primarily to the Register : D.P.H. (R.C.P.S. Engl., R.C.P.S. Edin., and R.F.P.S. Glas., R.C.P.S. Irel., and each of the Univs. of Great Britain and Ireland, except London).
B.Sc. (P.H.) Birm.
B.Hy., D.Hy. Durh.
M.D. (S.M.) Lond.
M.H. L'pool.
B.Sc. (P.H.), D.Sc. (P.H.) Edin. ; B.Sc. (P.H.), D.Sc. (P.H.) Glas.

Under the Public Health Acts no appointment as Med. Officer of Health may be made in any county, district, or combination of districts of a population of 50,000 or upwards unless he is registered as the holder of a Diploma in San. Sc.

New Rules for obtaining qualifications in Public Health were adopted on May 22, 1922, and came into operation as from Jan. 1, 1924. They revise the curriculum and extend the period between the obtaining of an original qualification and a Diploma to not less than 2 years.

(*b*)

Australia. M.B., M.D. Syd., Adel., or Melb. ; Ch.M. Syd. ; B.S., M.S. Adel. ; B.S. Melb.
Canada. M.D. Dal., Laval, McG., Mont. ; C.M. Dal., McG. ; L.M.S. New Brunswick Provincial Council of P. & S., *or* Nova Scotia Provl. Med. Board, *or* Prince Edward Island Med. Council.
M.C.P. & S. Alta., *or* Manit., *or* Ont.
As qualifications which may be added (1) to M.C.P. & S. Ont.—M.B., M.D., C.M. of Queen's, M.B., M.D. Tor., or M.D. Western ; (2) to M.C.P. & S. Manit.—M.D., C.M. Manit.
Ceylon. L.M.S. Ceylon Med. Coll.
Hong-Kong. M.B., B.S., M.D., M.S. Hong-Kong.
India. M.B., B.S. All.
L.M.S., M.B., B.S., M.D., M.S. Bom.
L.M.S., M.B., M.D., M.S., M.O. Calc. (if dated prior to Nov. 30, 1924).
M.B., C.M., M.B., B.S., M.D. Mad.
L.M.S., M.B., M.D., M.S. Panj.
M.B., B.S. Lucknow.
Malta. M.D. Malta.
Newfoundland. L.M.S. Nfld. Med. Board.
New Zealand. M.B., Ch.B., M.D. N.Z.
South Africa.
M.B., Ch.B. Cape Town.
M.B., Ch.B. S. Africa.
M.B., B.Ch. U. Witwatersrand.
Straits Settlements. L.M.S. Singapore Med. Coll.

(*c*)

Degrees of (i.) Doctor of Med. and Surg. of all the Royal Italian Univs.; (ii.) Bachelor of Med. and Doctor of Med. of the Imperial Univs. of Japan; and Bachelor of Med. of any Govt. or Prefectural Special Med. Coll. or of a private special Med. Coll. designated by a Minister of Educn. of the Empire of Japan.

B. REGISTRATION OF MEDICAL STUDENTS

The Regulations (including the modifications which came into force on Jan. 1, 1923), obtainable from the Registrar, 44 Hallam St., London, W.1, post free 1s., prescribe Registration of Medical Students within 15 days of the commencement of their professional studies. For this purpose they should apply in the prescribed form, obtainable from any of the Registrars (v. *supra*), submitting evidence of having—(*a*) attained the age of 17; (*b*) passed a Preliminary examn. in General Education recognized by the Council; (*c*) passed also an examn. in *Elementary Physics* and *Elementary Chemistry* conducted or recognized by one of the Licensing Bodies; (*d*) commenced Medical study at an approved Univ. or Medical School.

As regards (*b*) the Council recognizes no examn. which is of standard lower than that of Univ. Matricn. examns. in the faculties of Arts and Pure Science, and requires that the examn. certificate shall bear evidence that the candidate has passed in English, Elem. Maths., a language other than English, and an additional subject or subjects as required by the regulations of the particular examn., to be chosen from the subjoined list, viz. Hist., Geog., Physical Sc., Nat. Sc., Latin, Greek, Hebrew, French, German, or other language accepted by the Univ. for the purpose. Applicants from one of the recognized Colonial Univs. must produce evidence that they have passed the complete Matricn. examn. for the faculty of Arts or of Science (Pure) of the Univ. or College from which they come, or an examn. accepted as equivalent thereto, and that the examn. passed is accepted by one of the Univs. of Great Britain or Ireland for similar purposes. Applicants from one of the recognized Indian Univs. must produce evidence that they have passed the Matricn. examn. of the Univ. from which they come, or an examn. recognized as equivalent thereto, and, in addition, the Preliminary Scientific or Intermediate examn. in Arts or Science of their own Univ. Applicants from Foreign Univs. should submit their credentials to the Registrar.

As regards (*c*), this requirement is not dispensed with in cases where *Physics* and *Chemistry* of a Matricn. standard formed part of the (*b*) examn., but an applicant from one of the recognized Colonial Univs. or Colleges is permitted to substitute for it a certificate that an examn. in Physics and Chem. (and, in addition, *Biology*, v. *infra*) equivalent in standard to the First Professional examn. in these subjects has been passed by the student. Similarly, in the case of an applicant from one of the recognized Indian Univs. the Preliminary Scientific or Inter-

mediate examn. in Arts or Science of his own Univ. will suffice if these subjects are included in his Pass certificate.

As regards (*d*), institutions in which Medical Study may be commenced include all the Univs. and other Bodies throughout the Empire of which the *qualifications* (v. *supra*) have been recognized as entitling to registration in the U.K.

A student who has diligently attended an approved course of instruction in *Elementary Biology* at a Secondary school or other teaching institution recognized by a Licensing Body may be admitted to the Professional examn. in this subject immediately after his registration as a student.

C. DENTAL QUALIFICATIONS

Under the Dentists Act, 1921, no person who is unregistered can practise dentistry without rendering himself liable to prosecution.

The Dental Board of the United Kingdom was constituted by the Dentists Act, 1921, and is charged with the duty of dental registration. The address of the Registrar is 44 Hallam St., London, W.1. *Telegrams*—Dentiboard, Eusroad, London. *Telephone*—Langham 2501.

The following lists show the registrable qualifications obtainable (*a*) in Great Britain and Ireland, (*b*) in British Possessions overseas, (*c*) in foreign countries.

(*a*)

Royal College of Surgeons of England—L.D.S., R.C.S. Eng.

Royal College of Surgeons of Edinburgh—H.D.D., L.D.S., R.C.S. Edin.

Royal Faculty of Physicians and Surgeons of Glasgow—H.D.D., L.D.S., R.F.P.S. Glas.

Royal College of Surgeons in Ireland—L.D.S., R.C.S. Irel.

Univ. of Birmingham—M.D.S., B.D.S., L.D.S. U. Birm.

Univ. of Bristol—M.D.S., B.D.S., L.D.S. U. Brist.

Univ. of Durham—L.D.S. U. Durh.

Univ. of Leeds—M.Ch.D., B.Ch.D., L.D.S. U. Leeds.

Univ. of Liverpool—M.D.S., B.D.S., L.D.S. U. L'pool.

Univ. of London—B.D.S., M.S. (Dent.) U. Lond.

Victoria University of Manchester—M.D.S., B.D.S., L.D.S. V.U. Manc.

Univ. of Sheffield—M.D.S., B.D.S., L.D.S. U. Sheff.

Univ. of St. Andrews—L.D.S. U. St. And.

Univ. of Dublin—M.D.Sc., B.D.Sc., L.D.Sc., U. Dubl.

National Univ. of Ireland—M.D.S., B.D.S. N.U. Irel.

Queen's Univ. of Belfast—M.D.S., B.D.S., L.D.S. Q.U. Belf.

(*b*)

Victoria, Australia—L.D.S. Vict.

Univ. of New Zealand—B.D.S. U. N. Zealand.

Univ. of Sydney—B.D.S. U. Sydney.

Univ. of Melbourne—D.D.Sc., B.D.Sc. U. Melb.

(*c*)

Diploma in Dentistry granted to Candidates in Medicine of the Univs. of Brussels, Ghent, Liége and Louvain, after examn. by a Belgian Provincial Medical Commission—Dent. Dip. Belg.

Diploma of Bachelor of Medicine (Igakushi) in the Dental Division of the Tokyo Imperial University—M.B. (Dent. Div.) Tokyo Imp. U.

Diploma of Bachelor of Dental Surgery (Shikwa-Igakushi) of the Tokyo Dental College—B.D.S. Tokyo Dent. Coll.

Diploma of Bachelor of Dental Surgery (Shikwa-Igakushi) of the Nihon Dental College—B.D.S. Nihon Dent. Coll.

Diploma of Bachelor of Dental Surgery (Shikwa-Igakushi) of the Osaka Dental College—B.D.S. Osaka Dent. Coll.

D. REGISTRATION OF DENTAL STUDENTS

I. Registration is carried on at the Council Office in London in the same manner as that of Med. students, and is subject to the same regns. as regards age and Prelim. examns., but professional study may commence by pupilage with a Registered Dental Practitioner.

II. Candidates for a Diploma in Dental Surgery should produce certificates of having been engaged in professional studies for at least 4 years, including 3 years at least at a Dental school or schools recognized for professional study by one of the Licensing Bodies, and of having received for not less than 24 calendar months, or for 2000 hours, practical instruction in Dental Mechanics.

III. Two years' *bona-fide* apprenticeship with a Registered Dental Practitioner, after being registered as a Dental student, may be counted as 1 of the 4 yrs. of professional study.

IV. The necessary instruction in Dental Mechanics, or any part of it, may be taken by the Dental student either before or after his registration as a student. When he can show evidence of regular pupilage in Dental Mechanics to a Registered Practitioner, prior to passing the prescribed Preliminary and Scientific examns., he may be allowed to antedate for a period not exceeding 1 yr. prior to the passing of these examns.

V. It is recommended that instruction in Dental Mechanics be taken at a recognized Dental Hospital or School. If any part of such instruction be taken by the candidate as a pupil with a Registered Dental Practitioner, the time required to be devoted to it will be at least twice the time required for the corresponding instruction taken at a Dental School.

Schools at which Dental Study may be commenced: Birmingham D. Hospl; Bristol, Royal Infirmary, Genl. Hospl.; Dublin, D. Hospl. of Ireland; Dundee D. Hospl; Edinburgh D. Hospl.; Glasgow D. Hospl.; Leeds D. Hospl.; Liverpool D. Hospl.; London, Guy's Hospl. D. School, London Hospl. D. School, Univ. Coll. Hospl. D. School, Royal D. Hospl.; Manchester D. Hospl.; Newcastle-upon-Tyne D. Hospl.; Sheffield Royal Hospl.; Roy. Coll. of Surg. in Ireland; D. Department of any Univ. of the U.K.

E. RECIPROCAL RECOGNITION

The States, Presidencies, and Provinces in which the registrable medical qualifications specified under A (*b*), (*c*) are granted, all allow practitioners with qualifications registered in the U.K. to register without further examn. There are also other Colonies, *e.g.* Tasmania, which recognize British qualifications, but in which at present no qualifications are granted.

[A Report (5th edition pubd. in Jan. 1921) as to the conditions under which Med. and Dent. practitioners registered or legally qualified in their own country may practise abroad is obtainable from the Council Office, price 2s. 6d. (post free U.K. 2s. 10d., elsewhere in the Empire 3s. 1d., outside 3s. 4d.). It contains, among other matters, the designations and addresses of the persons to whom application should be made for forms and further information.]

F. POST-GRADUATE MEDICAL STUDIES

In London, in addition to the General Hospital Medical Schools which provide to a limited extent for qualified practitioners, there are the West London Post-graduate College at the West London Hospital, Hammersmith, with a staff of 37 regular lectrs. and demrs., the North-East London Post-Graduate College at the Prince of Wales' Hospital, Tottenham, and the London School of Clinical Medicine at the Seamen's Hospital, Greenwich, as well as certain special hospitals where excellent arrangements are made for post-graduate work in particular subjects. The *Fellowship of Medicine* (1 Wimpole St., London, W.1), formed in 1918, promotes and advertises the provision of facilities for post-graduation medical study in London. In co-operation with 50 London general and special hospitals, post-graduate courses in all the special departments of medical science are arranged, as well as short intensive courses at regular intervals during the year. Information is given on post-graduation study in Great Britain and elsewhere. See also pp. 679 and 685 regarding facilities for special research.

Post-graduate courses are also provided elsewhere, notably at Manchester, Edinburgh, and Glasgow.

ROYAL COLLEGE OF PHYSICIANS OF LONDON AND ROYAL COLLEGE OF SURGEONS OF ENGLAND

Address of the Secy., Conjoint Examining Board in England, 8-11 Queen Sq., Bloomsbury, London, W.C.1. Applications for admission to the Board's examns. should reach the Secy. at least 14 days (in the case of the L.D.S. Professional examns., 21 days) beforehand. Agency for the sale of Books of Questions set in past years (9d. each)—Taylor & Francis, Red Lion Court, Fleet St., London, E.C.4.

Examinations for the Diplomas of LICENCE OF THE R.C.P. of London and MEMBER OF THE R.C.S. of England are held ordinarily in Jan.,

April, July, and Sept. or Oct. Candidates must have passed a Prelim. examn. in general education recognized by the Board, and must have passed, before commencing the 5 years' curriculum of professional study, *a Pre-Medical examn. in Chemistry and Physics* conducted or recognized by the Board. Before admission to the Professional examns. (known as the *First* and *Final*) they are required to produce certificates of having pursued the prescribed courses of study and practice. The *First* Professional examn. (fee, 10 gs.) comprises: Section I., (*a*) Anatomy, including Histology and Embryology, (*b*) Physiology, including Bio-Chemistry; Section II., Pharmacology, Practical Pharmacy, and Materia Medica. A candidate who has passed an examn. in the subjects of Section I. or of either part of Section I. and of Section II. in the examn. for the degree in Medicine conducted at a Univ. recognized by the Board, will be exempted from further examn. in such subject or subjects. The subjects of the *Final* Professional Examn. are: Section I. (fee, 4 gs.), (*a*) Pathology, including Morbid Anatomy, Morbid Histology, Clinical Path., and Bacteriology; Section II.—Part I. (fee, 10 gs.), Medicine, including Med. Anatomy, Forensic Med., and Public Health; Part II. (fee, 10 gs.), Surgery, including Surg. Anatomy and the use of Surg. Appliances; Part III. (fee, 6 gs.), Midwifery and Gynæcology. A candidate who has passed an examn. for a degree in medicine in the subjects of Pathology and Bacteriology at a Univ. recognized by the Board is exempted from Section I.

Students of recognized Univs. in England, Scotland, and Ireland, who have passed examns. for a degree in Medicine at their Univs. in the subjects of the First Professional Examn., may enter for the Final at the expiration of two years from the date of passing in Anatomy and Physiology on production of the required certificates.

Members of certain recognized Indian, Colonial, and Foreign Univs., who have passed examns. for the Degree of Doctor or Bachelor of Medicine or Surgery in the subjects of the First Professional Examn., may present themselves for the Final under special conditions. A holder of the diploma of the National Board of Examiners of the U.S.A. can enter for the Final on producing the required certificates of 5 years' study from one of the Univs. recognized by the Conjoint Board. The Board also grants Diplomas in Public Health, in Psychological Medicine, in Ophthalmic Medicine and Surgery, in Tropical Medicine and Hygiene, and in Laryngology and Otology. Candidates must hold a Medical qualification registrable in the U.K., or be Graduates in Medicine of a recognized Indian, a Colonial, or a Foreign Univ.

The regulations affecting candidates who were registered as medical students before Jan. 1, 1924, are given in the 1923 and previous editions of this *Ycarbook*.

For admission to the MEMBERSHIP OF THE R.C.P. (fee, 40 gs., *less* Licence fee, if any, already paid) the minimum age is 23, and a candidate must satisfy the Censors' Board as to his moral character and conduct and pass an examn. of such nature and extent as may be determined by the Board. If he has not passed the examns. required for the Licence, he must be a registered practitioner who has obtained the

degree of Doctor or Bachelor of Medicine at a Univ. in the Empire. A candidate who has attained the age of 30, and can produce testimonials sufficient to satisfy the Board, or submit a suitable work done by himself in any branch of Medical Science or Literature, may be excused a part or whole of the Examination.

The FELLOWSHIP OF THE R.C.P. is conferred by election on a member of the College of not less than 4 yrs.' standing. (For particulars of the Membership and Fellowship of the R.C.P. application must be made direct to the Registrar, Pall Mall East, London, S.W.1.)

Examns. for the FELLOWSHIP OF THE R.C.S. are held twice yearly —the 1st Prof. in June and Dec., and the 2nd Prof. in May and Nov. Fees, first examn., 8 gs., 2nd, 12 gs., admission to Fellowship (minimum age, 25), 10 gs., for those who are not M.R.C.S. Eng. The *First* examn. (in Anat. and Physiol.) is open to M.R.C.S. Eng., and, on production of certain certificates involving work extending over 6 terms or 18 months, to (*a*) candidates who have passed the First examn., Pt. I., for the L.R.C.P. Lond. and M.R.C.S. Eng., and (*b*) members of Univs. recognized under the Regns. of the Board. The *Second* examn. (in Surgery, including Surg., Anat., and Path.) is open, provided they have passed the First, to (*a*) M.R.C.S. Eng. who have been engaged not less than 6 yrs. in the study or study and practice of the profession, and (*b*) persons possessing the registrable Surg. and Med. degrees of the under-mentioned Univs., who have been engaged after obtaining such degrees in the study or study and practice of the profession for 4 yrs., including 1 yr. spent in attendance upon the Surg. Practice of a recognized Hospl. or Infirmary: the Univs. of the U.K., Dalhousie, Laval, McGill, Manitoba, Queen's (Kingston), Toronto, Western (Ont.), Adelaide, Melbourne, Sydney, N.Z., Bombay, Calcutta, Madras, Panjab, Allahabad, Hong-Kong, Malta, Italian Royal Univs. and Imperial Univ. of Japan.

All the above examns. are open to WOMEN, who are also eligible, subject to the provisions of the Medical Act, 1876, and Bye-laws of the Colleges, for the Diplomas of L.R.C.P., M.R.C.S., and F.R.C.S. (For particulars concerning the Fellowship of the R.C.S. apply to Director of Examinations, 8/11 Queen Square, London, W.C.1.)

ROYAL COLLEGE OF PHYSICIANS OF EDINBURGH, ROYAL COLLEGE OF SURGEONS OF EDINBURGH, AND ROYAL FACULTY OF PHYSICIANS AND SURGEONS OF GLASGOW

Joint examinations, open alike to men and women, are held in Edinburgh (in 1926–27—October, January, and July) and Glasgow (in 1926–27—March-April) for the DIPLOMAS IN MEDICINE, SURGERY, AND MIDWIFERY of these three bodies. Applications for admission should reach the Inspector—in Edinburgh, D. L. Eadie, 49 Lauriston Place; in Glasgow, W. Hurst, 242 St. Vincent St.—at least one week before.

Examns. for the DIPLOMA IN PUBLIC HEALTH (fee, 12 gs., or for each

Part, 6 gs.) are held early in Oct. in Edinburgh and early in May in Glasgow.

The R.C.P. Edin. may admit to examn. for its single qualification —LICENCE—any candidate who has a Surg. qualification recognized for the purpose. Fee, 15 gs. Examns. held every month, except Sept. and Oct. Admission to MEMBERSHIP (minimum age, 24) is by election. Candidates must hold a Licence of a British or Irish College of Physicians or Degree in Med. of a Univ. approved by the Council, and pass the prescribed examn. unless exempted by the Council from the whole or part of it in consideration of work in any sphere of Med. adjudged to be of high distinction. Fee, 35 gs., or, if a L.R.C.P. Edin., 20 gs. A member of 3 yrs.' standing may be elected FELLOW. Fee, 38 gs., and stamp duty, 25 gs. The College has a Library of 100,000 vols. and Research Laboratory.

For admission to the FELLOWSHIP OF THE R.C.S. Edin. candidates must pass an examn. (fee, £45, or for L.R.C.S. Edin., £35) in: (*a*) Principles and Practice of Surgery, including Surg. Anat.; (*b*) Clinical S.; (*c*) one of the following—including clinical or practical as well as written and oral tests—S. Path. and Operative S.; Ophth. S.; Aural, Nasal, and Laryng. S.; Obst. S.; Gyn.; Adv. Anat.; Dental S. Qualifications for admission to the examn. (which is now open to women): minimum age, 25 yrs.; 2 yrs.' study and practice of the profession after obtaining one of the following, or other approved qualifications in S.: those of R.C.S. Eng., R.C.S.I., R.F.P.S. Glas.; Surgical degrees of the Univs. of the U.K. and Canada, Adelaide, Melb., Syd., N.Z., Bom., Calc., Mad., Panj.; L.M.S.S.A. Lond., and L.A.H. Dub. registered under the Med. Act, 1886, and such foreign qualifications as may be approved by the President's Council.

At the final consideration of the candidate's petition for admission to the Fellowship election is determined by ballot.

Examns. for the LICENCE OF THE R.F.P.S. Glasgow can be arranged at any time of the year, except August. Fee, 15 gs. Qualifications for admission: Licence of one of the Colleges of Physicians of the U.K. or Colonies, or of the Soc. of Apothecaries of London or Apothecaries' Hall, Dublin, conferred after passing the qualifying examns. of these bodies; Degree in Med. of a Univ. of the British Empire.

Examns. for the FELLOWSHIP OF THE R.F.P.S. Glasgow are held in Jan., April, July, and Oct. 14 days' notice required. Admission to the Fellowship (fee, £50, or for L.R.F.P.S., £40) is either by examn. and subsequent election by ballot or by election in virtue of high distinction in Med. Science or Practice of persons not less than 40 yrs. of age who have been qualified for at least 10 yrs. Not more than 4 Practitioners are admitted by the latter method annually. Candidates must be proposed by 2 Fellows of the Faculty.

All examns. of the R.F.P.S. are open to women as well as to men.

ROYAL COLLEGE OF PHYSICIANS AND ROYAL COLLEGE OF SURGEONS IN IRELAND

Address of Committee of Management of the Conjoint Board—Royal College of Surgeons, Stephen's Green, Dublin. Registrar of the R.C.P.—6 Kildare St., Dublin.

Professional examns. for the LICENCES IN MEDICINE, SURGERY, AND MIDWIFERY are held by the Conjoint Board in spring, summer, and autumn. Candidates must comply with the requirements of the Gen. Med. Council (v. *supra*) *re* Prelim. examn. and Registration of students. The First Professional Examn. (fee, 25 gs.) comprises Anatomy, Physiology, and Histology. The *Second* (fee, 10 gs.): Pathology, Materia Medica and Pharmacy, Therapeutics, Forensic Medicine and Public Health. The *Final* (fee, 6 gs.): Medicine, including fevers, Mental Diseases and Diseases of Children; Surgery, including Operative and Ophthalmic; Midwifery and Gynæcology, Vaccination, and Diseases of Newborn Children.

Institutions recognized for instruction in subjects of the First examn. include numerous schools in the U.K., and also the Univ. of Cape Town and the Witwatersrand Univ., Johannesburg. Institutions recognized for certification of studies include: in Canada—the Univs. of Dalhousie, Laval, McGill, Toronto, Trinity Coll. and Vict. Coll., Tor.; Bishops' Coll., Montreal; R.C.P.S., Kingston; Trinity Med. Sch.; in Australia—Univs. of Melb. and Syd., Adelaide Infirmary, Melb. Hospl., Alfred Hospl., Syd. Infirmary, Prince Alfred Hospl., Genl. Hospls. of Hobart and Launceston; in N.Z.—Dunedin Hospl.; in Cape Town—S. African Coll.; in India—Med. Colls. of Bengal and Madras; the Ceylon Med. Coll.

Candidates who have passed in any of the required subjects at examns. conducted by any Licensing Body recognized by the R.C.P. and R.C.S. may be exempted from further examn. therein.

Examns. for the LICENCES OF THE R.C.P.I. are held early in Feb., May, and Nov., and at specially appointed times. That for the *Licence in Medicine* (fee, 15 gs., or for Special examn., 20 gs.) comprises Practice of M., Clinical M., Path., Med. Jurispr., Midw., Hygiene, Therap. It is open to a Registered Med. Practitioner of the U.K. or on the Colonial or Foreign List of the Gen. Med. Council if the College be satisfied as to his character and his courses of study and examns. passed by him. The examn. for the *Licence in Midwifery* (fee, 8 gs., special, 12 gs.) is open to Registered Med. Practitioners: (*a*) of the U.K. who have (i.) obtained the Lic. in Med. of the College or have passed the examn. therefor, or (ii.) satisfied the College as to character and as to course of study pursued and examns. passed; (*b*) of 5 yrs.' standing who have so satisfied the College. Entrants under (*b*) are exempt from the examn. by printed questions. Applications for particulars should be forwarded to the Registrar, Royal College of Physicians of Ireland, 6 Kildare Street, Dublin.

Examns. for MEMBERSHIP OF THE R.C.P.I. are held in Feb., June,

and Nov., and at specially appointed times. Applications for admission should reach the Registrar by 2nd week in Jan., May, Oct. Fee, 35 gs., or for L.R.C.P.I., 20 gs.; extra for Special examn., 10 gs. The examn. is open to Registered Med. Practitioners: (*a*) who have held for at least a year a Licence in Med. of a College of Physicians of the U.K., or a degree (B. or D.) of any Univ. in the Empire recognized for registration purposes by the Gen. Med. Council; or (*b*) who hold a foreign qualification, entitling to practise Med. and Surg. in their own countries, obtained after a course of study deemed by the College to be satisfactory. The testimony of a fellow or member of the College or a F.R.C.P. Lond. or Edin. as to professional conduct and moral character is also required. The Diploma of membership carries with it the Licence if this has not been already obtained. Exemption from part of the examn. may be allowed by the Court of Examiners on a consideration of evidence that a candidate has "improved the Art or extended the Science of Medicine."

For admission to the FELLOWSHIP OF THE R.C.P.I. (fee, £35; stamp duty, £25) the candidate must have been a member of the College for 1 yr. Minimum age, 27. It is open to women.

The R.C.S.I. holds examns. (fee, 5 gs.) for a LICENCE IN SURGERY at the same times as those of the Conjoint Board. They are open at the discretion of the Council to Registered Med. Practitioners who have passed through a course of study and examns. equivalent to those required by the Conjoint Board and an examn. in Arts recognized by the Gen. Med. Council. Fee for Licence, 25 gs., including 5 gs. examn. fee.

The R.C.S.I. also holds examns. for a DIPLOMA IN MIDWIFERY. Candidates must have a registrable qualification and produce certificates of attendance on Lectures, 6 months' Hospital practice and conduct of 30 labour cases. Fee, 15 gs.

The examn. for the FELLOWSHIP OF THE R.C.S.I. is in 2 parts. Fee for each, 5 gs. For admission to the Final part a candidate must be a Licentiate or Graduate in Surg. of a Univ. or licensing body recognized by the Gen. Med. Council. Minimum age, 25. Fee on admission to Fellowship, 40 gs., or for Licentiate of the College, 25 gs.

THE SOCIETY OF APOTHECARIES OF LONDON

Incorporated by Royal Charter, 1617. *Address*—Water Lane, Queen Victoria St., London, E.C.4.

Examinations for the Diploma of Licentiate in Medicine, Surgery, and Midwifery (L.M.S.S.A.) are held in London, the Primary examn. (fee, 5 gs.) in Chem. and Physics, Materia Medica and Pharmacy, Anatomy, Physiology, and Histology in Jan., April, July, and Oct., the Final (fee, 15 gs.), monthly, except in Sept. For admission to either, certificates are required, showing in detail the course of Medical study pursued by the candidate with particulars of instruction received, practice and operations performed, and offices held. The course covers 5 yrs. in all. Exemption from the Primary subjects may be obtained

by proving that equivalent examns. recognized by the Society have been passed.

THE ROYAL COLLEGE OF VETERINARY SURGEONS

Address—10 Red Lion Sq., London, W.C.1. *Affiliated Colleges*—Royal V. College, Camden Town, London, N.W.1; The V. School of the University, Liverpool; Royal (Dick) V. College, Summerhall, Edinburgh; The V. College, Buccleuch St., Glasgow; The V. College of Ireland, Ballsbridge, Dublin.

A candidate for the *Membership* must, after passing one out of a list (similar to that of the Gen. Med. Council, v. *supra*) of recognized Preliminary Educational examns., attend courses in one of the Affiliated Colleges during 4 yrs. as follows: 1st year (from which exemption is given under certain conditions to graduates in Arts, Science, or Medicine): Anat. of Domestic Animals; Chem. and Elem. Physics; Biol., Elem. Zool., and Botany. 2nd year: Anat. of Dom. Animals; Physiol. and Histol.; Stable Management, Shoeing, etc. 3rd year: Path., Bact., and Protozoology; Mat. Med., Tox., and Practical Pharmacy; V. Hygiene and Dietetics. 4th year: Principles and Practice of V. Med. and V. Surg. and Obst.; Meat Inspection. An examn. (fee, £5) is held at the end of each year's course.

Qualifications for *Fellowship*: 2 yrs.' practice after obtaining the membership, and a thesis on results of original research followed by oral and, if deemed necessary, written and practical examns. Fee, 15 gs.

For admission to the examn. for the *Diploma in V. State Medicine* it is necessary after graduation as M.R.C.V.S. to take a special course at a V. School and undergo training under a County or Municipal V. Inspector. Fee, £5 : 5s.

Students of Vet. Science who register as matriculated students of London or Edinburgh Univ. may sit as Internal students for the Degrees of B.Sc. and D.Sc. in Vet. Science. Matriculated students of the Liverpool School are eligible to take the examns. for the Degrees of B.V.Sc. and D.V.Sc. Holders of the Diploma of M.R.C.V.S. are also eligible, after taking a special post-graduate course at the Univ. of Liverpool, for the Diploma in Vet. Hygiene (D.V.H.).

THE ROYAL SANITARY INSTITUTE

Founded 1876. Incorporated 1888. *Address* — 90 Buckingham Palace Road, London, S.W.1. Branches in S. Africa, New Zealand, and New South Wales, and Examination Boards in all parts of the British Dominions.

The Institute is a composite body, representative of the various

sciences allied to sanitation and public health, and its members (nearly 5000) include Medical men, Engineers, Architects, Municipal Officers, etc.

Qualifications for (1) Membership: evidence of attainments of standard indicated by certain of the Inst.'s own certificates, a Degree of a University, or Diploma of a Medical Corporation recognized by the Council, San. Science certif. of Surveyors' Instn. (v. p. 649), Testamur of the Instn. of Munic. and County Engineers (v. p. 649); (2) Associateship: the Inst.'s certif. for Sanitary Inspector or other evidence of attainments of similar standard. Annual Subsn. for Members, 1½ to 2 gs.; Associates, 15s. to 1 g. Fellows are elected from Members of at least one year's standing. Authorized signatures: M.R.San.I., A.R.San.I.

Examinations held by the Institute (fee, 4 to 5 gs.): (1) Inspectors of Meat and Foods; (2) Smoke Inspectors; (3) Sanitary Science as applied to Buildings, etc.; (4) Health Visitors; (5) Maternity and Child Welfare Workers; (6) School Hygiene, including Elem. Physiol.; (7) Tropical Hygiene for Inspectors. The Institute's Certificates (Cert. R.San.I.) are well known throughout the United Kingdom and the Overseas Dominions, and are recognized by Public Authorities as qualifications for appointments.

The examns. are held in London and in numerous other towns in the U.K. and in Canada, Australasia, S. Africa, Hong-Kong, West Indies, Straits Settlements, and Mauritius. Examns. for San. Inspectors are held in Bombay and Rangoon in co-operation with the Local Governments.

Courses of Lectures and Demonstrations are held in London in spring and autumn. Fees, 5 to 6 gs.

The Parkes Museum, founded 1876, became part of the Inst. in 1888. It serves as a public demonstrating school. The Inst. has a large Library, including many foreign works. Sessional meetings, about ten yearly, are held in London and other large towns.

Congresses and exhibitions have been held almost every year since 1877.

Publications. *Journal*, monthly, and numerous pamphlets.

ROYAL INSTITUTE OF PUBLIC HEALTH

Founded 1886. Incorporated 1892. *Address* — 37 Russell Square, London, W.C.1.

The Institute provides courses of Instruction qualifying for admission to the examinations for the Degrees and Diplomas in Public Health of all the Univs. and Medical Corporations. Fees for Laboratory Instruction: 6 months, 34 gs.; P.H. Admn., 15 gs.; Fever Hosp. Admn., 4 gs.; Special Lab. Fees., Chem. or Bact., monthly, 6 gs., 3 months, 15 gs. Courses of free lectures are also given in the Lecture Hall of the Inst. Special lectures open to Fellows, Members, and Students. Subscription, 1 g. p.a. Registration Fee, 1 g.

The Laboratories are recognized as a place of research in connexion

with the Beit Memorial Fellowships. Researches and Clinical Examns. are undertaken for Public Bodies and Med. Practitioners. Culture media of all descriptions are supplied.

Reference Library containing all important P.H. Works, Govt. Reports, etc.

Congress to be held at Ghent, Whitsun, June 1-6, 1927.

Publication. Journal of State Medicine, monthly, 2s.

INSTITUTE OF HYGIENE

Founded 1903. *Address*—28 Portland Place, London, W.1.

Examinations for Certificates and Diplomas (advanced) are held at various universities throughout the U.K. on the second Saturday of Jan. and of June each year. Subjects: General Hygiene, School H., Mothercraft and Child Welfare. Fee, 1 g. to 2 gs. Complete syllabus with list of Text Books, 1s. Specimen questions, 1d.

The Certificate and Diploma in General Hygiene qualify for nomination as Associate and Member (M.I.H.) respectively of the Inst.

Public Lectures are regularly given throughout the year in the Lecture Hall. The Inst. has Laboratories for analytical and bacteriological investigation, and a Museum of Hygiene open to the public free throughout the year.

XII

THE INSTITUTION OF MINING AND METALLURGY

Founded 1892. Incorporated by Royal Charter 1915. Objects: Advancement of the Science and Practice of Mining in respect of minerals other than coal and of Metallurgy in respect of metals other than iron; and to afford a means of facilitating the acquisition and preservation of that knowledge which pertains to the profession of a Mining Engineer and Metallurgist. *Address*—Cleveland House, 225 City Road, London, E.C.1. *Telegrams*—"Minanmet, Barb., London."

Qualifications for Membership (M.Inst.M.M.): minimum age, 30, having been for at least 5 yrs. in full charge of important mining or metallurgical operations or in practice as a Consulting Mining Engineer or Metallurgist; if born after Dec. 31, 1894, a regular course of at least 3 yrs.' study in pure or applied science. Qualifications for Associateship (Assoc.Inst.M.M.): minimum age, 25, having been engaged in mining or metallurgical pursuits for not less than (*a*) 2 yrs. if a graduate of the R.S.M. or other mining college or school of equivalent standing; (*b*) 3 yrs., or such longer period as Council may determine, if a graduate of some other college or school; (*c*) 6 yrs. in other cases. The minimum

age for admission as student is 18. A candidate for either Membership or Associateship must be actually practising his profession at the time, and must satisfy the Council as to his fitness for admission. The Council may elect a candidate as Member in consideration of his position and attainments in Science or Technology. Entrance fee and annual subsn. for Member, 5 gs. each; Assoc., 3 gs. Students pay subsn., 1 g. (over 25—1½ g.) p.a. and no entrance fee.

General meetings for discussion of papers monthly, Oct.-May. Large Library, reading- and writing-rooms. Publications: *Bulletin*, monthly (£1 : 11 : 6 p.a.), and Transactions annually (£1 : 11 : 6 p. vol.); may be purchased by non-members. Gold medals, etc., are awarded by the Instn. for promoting its objects. The Instn. is closely associated with the Royal School of Mines. *Secretary*: Charles McDermid.

EMPIRE COUNCIL OF MINING AND METALLURGICAL INSTITUTIONS

At an Empire Mining and Metallurgical Congress held at the British Empire Exhibition, 1924, it was resolved to form a Council to promote intercommunication and co-operation between the constituent institutions, to create and maintain a higher standard of technical efficiency and professional status, to convene future Congresses, and to compile a register of British Mining and Metallurgical Engineers, Scientists, and Technologists. *Secretary-General*—Charles McDermid. *Address*—Cleveland House, 225 City Road, London, E.C.1.

INSTITUTION OF MINING ENGINEERS

Established 1889. Incorporated by Royal Charter 1915. *Address*—Cleveland House, 225 City Road, London, E.C.1. *Telegrams*—"Instimini, Phone. London."

The Institn.'s objects and purposes are "the advancement of coal and iron-ore mining and allied industries, and the promotion of the acquisition of the knowledge necessary for the control and direction of mining operations in relation to stratified deposits." It is a federation of the Manchester Geol. and Mining Soc; the Midland Counties Instn. of Engineers; the Midland Instn. of Mining Engineers; the Mining Inst. of Scotland; the North of England Inst. of Mining and Mech. E.; the North Staffs. Inst. of Min. E., and the South Staffs. and Warwickshire Inst. of Min. E. Membership of the Institution is obtained by nomination through the Council of one or other of the Federated Institutes.

Conditions of admission to membership since Jan. 12, 1916, include: (*a*) regular education and training as a Min. E., and 5 yrs.' work in a responsible position in practical Mining; or (*b*) First-Class Certif. of Competency under Coal Mines Act, and tenure of post as Manager, Asst.

Manager, Under-Manager, or Chief Surveyor; or (*c*) position or attainments rendering his membership desirable in the opinion of the Council. There are also Associate Members, Hon. Members, Associates, and Students.

Publications. Transactions (in which are included Procdgs. of Federated Insts. as well as those of the Instn. itself), 71 vols. Price to non-members, 36s. each for current volumes; back volumes at varying rates. Authorized signatures: M.I.Min.E.; Assoc.M.I.Min.E., etc.

THE IRON AND STEEL INSTITUTE

Founded 1869. Incorporated by Royal Charter 1899. *Address*—28 Victoria St., London, S.W.1.

Qualifications: (1) for Membership—minimum age, 21; being practically engaged in iron or steel works or being a person of scientific attainments in metallurgy or specially interested in the applications of iron and steel. Entrance fee, 2 gs.; annual subsn., 3 gs. (if resident abroad, 2½ gs.). (2) For Associateship—maximum age, 24; being (*a*) Student of Metallurgy taking a course at a Univ., Univ. College, or Tech. School, or (*b*) pupil or apprentice in metallurgy or engineering, or (*c*) employed in some practical or scientific capacity in met. or engin. works. Annual subsn., 1 g. Initials denoting membership, M.I.S.I., A.I.S.I.

Meetings in May and Sept. for reading and discussion of papers. Library, reference and lending; printed catalogue. Information Bureau; service not restricted to members.

Carnegie Research Fund—£20,000, interest on which is used for grants to assist metallurgists and students in conducting researches.

Williams Prize Fund—£3000, interest on which is applied as a money award for the best practical paper, on manufacture or treatment of iron or steel, presented in any one year.

Publications. Journal in 2 vols. annually; *Carnegie Scholarship Memoirs*, 1 vol. annually.

THE INSTITUTE OF METALS

Founded 1908. Incorporated 1910. *Address*—36 Victoria St., London, S.W.1.

Local Sections in Birmingham, Glasgow, London, Newcastle-on-Tyne, Swansea, Sheffield.

Qualifications for Ordinary Membership (M.Inst.Met.): minimum age, 24; occupying a responsible position, being either engaged in the manufacture, working or use of non-ferrous metals and alloys, or a person of scientific, technical or literary attainments connected with or interested in the metal trades or with the application of non-ferrous metals and alloys. Limits of age for Student Members, 18-23. Entrance

fee and annual subsn. for Ordinary Members, 2 gs. and 3 gs. Students, 1 g. and 1 g. Associate members of local sections pay a nominal subscription and do not receive the *Journal*. *Fellows* (F.Inst.Met.) are limited in number to 12. They are chosen by Council for having rendered eminent service to the Assocn.

The Inst. aims at " the advancement of the non-ferrous metals industry and the associated sciences," by the co-operation of manufacturers, users and scientific investigators. It concerns itself rather with the manufacture and working of metals and alloys and with their properties and modes of treatment and testing, than with the production of metals from their ores. The leading features of its work are the holding of sessions in the spring and autumn and an annual " May lecture " given by some acknowledged master of his subject ; in addition a special " Practical lecture " is given annually in the autumn by an expert non-ferrous technician.

The *Journal* contains in addition to the proceedings of all the meetings abstracts and reviews of all the more important current publications, British and foreign, bearing upon non-ferrous metals. Price to non-members, £3 : 5s. for the two annual vols. (post free).

Library with all the current journals of interest to those concerned with metals. Nucleus museum.

Research is encouraged, directed, and even undertaken by means of a series of special committees, the most important being the Corrosion Research Committee, which began its work in 1910, and after receiving substantial help from the Govt. Dept. of Scientific and Industrial Research was augmented by the addition of representatives of several Govt. Depts. and Professional Institns. Funds were provided by Sir George Beilby for enabling the Inst. to reward an important research, still continuing, on " The Solidification of Metals from the Liquid State."

INSTITUTION OF PETROLEUM TECHNOLOGISTS

Incorporated 1914. *Address*—Aldine House, Bedford St., Strand, London, W.C.2.

Conditions of admission to associate membership (A.M.Inst.P.T.) since June 17, 1914, include (*a*) good general and scientific education, (*b*) at least 2 yrs.' practical experience in a position as petroleum technologist.

Annual subscriptions : Students 1 g., Associates 2 gs., Assoc. members 2½ gs., Members 3 gs.

Publications. *Journal*, bi-monthly, 7s. 6d. (free to members). Rules, etc., 4s. *The Petroleum Industry*, 2s. 6d. *List of Members*, 2s. 6d. *Report of Standard Methods of Testing of Petroleum and its Products*, 6s. (members, 4s.).

XIII

THE CHARTERED INSTITUTE OF PATENT AGENTS

Founded 1882. Incorporated by Royal Charter 1891. *Address*—Staple Inn Buildings, London, W.C.1.

Under the Patents and Designs Acts, 1907 and 1919, it is illegal to practise as a Patent Agent without being duly registered. The Register of Patent Agents is kept by the Institute in accordance with the Board of Trade's Rules of 1920.

Examinations are conducted or recognized by the Inst. for the two purposes of Registration of P.A.'s and the admission to the Inst. of Fellows, Associates and Students.

The Inst. recognizes as Preliminary examns. the Matricn. examn. of any Univ. in the U.K., the examns. recognized by the Board of Educn. as approved examns. in respect of Secondary Schools, Nos. 1*a*, 2, 4*a*, 8(*a*), 9, 10, 13, 15*c*, 16, of Appendix No. XX., and several others.

The Inst. holds each year (i.) Intermediate (fee, 2 gs.), and (ii.) Final examns. (fee, 3 gs.), qualifying for Registration. Latest date for entry, March 7. Subjects of (i.): A. Patent Law and Practice, Designs Trade-marks, Foreign Law, the reading of Mechanical Drawings; B. Manufactures, Science, and the preparation of Mechanical Drawings. Subjects of (ii.): A. Preparation of Specifications for British Colonial and Foreign Patents; B. Interpretation of British Specifications. Candidates for admission to (i.): must have passed one of the approved Prelim. examns. and (*a*) have served 3 yrs. as a pupil or technical asst. to one or more registered P.A.'s or (*b*) have so served for 2 yrs. *and* attended a 2 yrs.' course at an approved Tech. Coll. or had 2 yrs.' approved practical experience, or (*c*) have so served for 1 yr. *and* taken a degree at a Univ. of the U.K. or attended a 3 yrs.' course at an approved Tech. Coll. or had 3 yrs.' approved practical experience; (*d*) have served in the Patent Office for 5 yrs. as a member of the Examining Staff (Patents), or (*e*) be entitled to practise as a Solicitor or (Scotland) Law Agent.

Candidates for admission to (ii.) must have passed (i.) and have served as above for a period of 2 yrs. in excess of term prescribed under (*a*), (*b*), or (*c*) above, as case may be, or be entitled as in case (*e*).

Minimum age for membership of the Inst.—25. Other qualifications: For Fellowship, (*a*) having ceased to be an Associate by reason of being in practice on own account as P.A.; (*b*) having passed Final examn.; (*c*) special dispensation in case of candidate specially approved by the Council. For Associateship (not applicable to person registered as a P.A.); (*a*) being qualified and able by reason of connexion with the Law, Science, or the Arts, to advance the objects of the Inst.; (*b*) being pupil or asst. of 3 yrs.' standing of a Fellow or a Student attached to the

Inst. and having passed Interm. Examn. For Foreign Membership: having been established in practice as P.A. for a sufficient time not less than 3 yrs. in a British Colony or Dependency or in a Foreign Country and neither having an office nor practising in the U.K.

Minimum age for "Studentship"—18. Other qualifications: being an articled pupil of a Registered P.A. and having passed an approved Prelim. examn.

Fellows may use the initials C.P.A. after their names.

Entrance fee for Fellow, 3 gs.; Assoc., 2 gs.; Foreign Members, 2 gs.; Student, 1 g. Annual subs.: for Fellow, 3 gs.; for Foreign Members, 2 gs.; other classes, 1 g.

XIV

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

Address—17 Bloomsbury Sq., London, W.C.1.

Examinations (open to women as well as men) are held in London and Edinburgh in Jan., April, July, and Sept. or Oct.: the *Chemist and Druggist Qualifying* examn. (fee, 12 gs.), for registration under the Pharmacy Act, 1868; the *Major* examn. (fee, 3 gs.) and the *Pharmaceutical Chemist Qualifying* examn. (fee, 12 gs., April and July) for registration as Pharmaceutical Chemist (Ph.C.) under the Act of 1852. No person can be admitted to any portion of the Qualifying examn. who is not a *Registered Apprentice or Student*, and this involves passing in English, Mathematics, a language other than English, and 1 optional subject, at not more than 2 approved examns. Among the approved examns. are those numbered in Appendix No. XX. as 1, 2, 3, 4, 5, 6, 7, 8*a*, 8*b*, 9, 10, 11, 12, 13, 13*a*, 13*b*, 14, 16, 19, 20, 21 23, 23*a*.

In 1926 the Qualifying examn. was passed by 789 persons, the Major examn. by 33.

The Society's *School* is recognized by the Univ. of London as a School of the Univ. in Pharmacy, and the Dean of the School is Univ. Prof. of Pharmaceutics.

XV

INSTITUTE OF PHYSICS

Founded 1918 by co-operation in the first instance of the PHYSICAL, the FARADAY, and the OPTICAL Societies, and incorporated under the Companies' Acts in 1920. Other participating Societies are: The ROYAL MICROSCOPICAL Society and the RÖNTGEN Society. *Address*—90 Great Russell Street, London, W.C.1.

Corporate members consist of two classes: *Associates* (A.Inst.P.) and *Fellows* (F.Inst.P.). Qualifications for Associateship include the passing of an examn. held by the Institute or a recognized equivalent examn.; and, in addition, a year's approved research or manufacturing experience. The examn. may be dispensed with in the cases of candidates with qualifications approved by the Board. A candidate for Fellowship has, in addition to his academic qualifications, to show a total record of 5 years' experience either in research or manufacture or in any position requiring a thorough knowledge of Physics. Entrance fees, 1 g. and 2 gs. Annual subsns. 1 g. and 2 gs. All classes of membership are open to women on the same terms as to men.

An *Appointments Register* and a *Panel of Consulting Physicists* are maintained.

A series of Lectures on "Physics in Industry" was instituted in 1922. Part I., published by Henry Frowde and Hodder & Stoughton in their "Oxford Technical Publications," price 2s. 6d.; II., III., and IV., Oxford Univ. Press, 3s. each. The Institute produces the monthly *Journal of Scientific Instruments* in co-operation with the National Physical Laboratory. No. 1 appeared in Oct. 1923 (price 2s. 6d., subscription 30s. p.a., payable to Cambridge Univ. Press).

XVI

CHARTERED INSTITUTE OF SECRETARIES

OF JOINT-STOCK COMPANIES AND OTHER PUBLIC BODIES

Founded 1891. Incorporated by Royal Charter, 1902. *Address*—59A London Wall, London, E.C.2. Branches at Birmingham, Bristol, Liverpool, Manchester, Newcastle-on-Tyne, Nottingham (for N.E. Midlands), Bradford and Leeds (for West Yorks), Sheffield, Cardiff, Edinburgh, Glasgow; and overseas in Canada (Montreal), Australia (Brisbane, Melbourne, and Sydney), and South Africa (Johannesburg).

Examinations are held in London and at various other places both

at home and abroad in June and Dec. A candidate must either enter into Articles of Clerkship with a member of the Inst. for a period of 4 yrs. (if a graduate, 3 yrs.) or obtain registration as *Student* in course of preparation for the secretarial profession.

The *Preliminary* examn. (fee, 1 g.; min. age, 16) comprises English (Grammar, Compn., Dictn.), Engl. Hist., Geog., Elem. Maths., one foreign lang., and one of: Latin, Greek, Maths., Physics, Chem., Elem. Mech., Stenography. Exempting examns. include matricn. of any recognized Univ. in the Empire, and those in Appendix XX. numbered 1, 2, 7, 8 (*a*) and (*b*), 9 or 10, 11, 12, 13, 13*b*, 14, 16, 19 (Higher Grade), 23*a*, and the Prelim. of Inst. C.A. or Soc. of Inc. Accountants and Auditors, provided, in case of 16, that the candidate has passed in the above specified subjects; also Higher School Certifs. of Jt. Board (6), Ox., Camb., Durh., Bris. The Council may exempt any one whose educational status they are satisfied is equivalent to standard of Oxford or Cambridge School Certif. Examn.

For admission to the *Intermediate* (fee, 2 gs.) a candidate must have passed or been exempted from the Prelim. Graduates in Arts, Commerce, Law, or Science of recognized Univs. in the U.K., and persons who have passed the Final of the Bar Council, Law Soc., Inst. C.A., or Soc. of Inc. Acctts. and Audrs., are allowed a pass in the Interm. on attaining the usual standard of proficiency in any 4 of the specified examn. subjects they select approved by the Council, but must pass the Final as a whole before election to membership.

For admission to the *Final* (fee, 2 gs.; min. age, 21) a candidate must have passed the Interm. The subjects are: Economics, Sec. practice and duties, Law and practice in connexion with meetings, Book-keeping and Accts., Merc. Law, an approved foreign language, or Banking and Exchange, and one special law subject (*e.g.* Companies or Insurance).

Associate Membership (A.C.I.S.) can be obtained after 6 yrs.' service with a Public Coy. or Body; *Fellowship* (F.C.I.S.), after 8 yrs.', of which 3 have been as Secy. or Asst. Secy. A Fellow may describe himself as a Chartered Secretary; so likewise may an Associate if having passed the Final Examn. he holds or has held office as a Secretary, Asst. Sec., Chief Acct., Registrar or Chief Clerk of a Company, or other body corporate.

Publications: *Yearbook*, *Secretarial Practice* (10s.), *The Secretary* (monthly, 1s.).

XVII

SURVEYORS' INSTITUTION

Founded 1868. Incorporated by Royal Charter, 1881. *Address*—12 Great George St., Westminster, S.W.1.

Professional examns. (fees: Interm. or Final, 4 gs.; Direct Fellowship, 5 gs.; applications receivable in Sept.) are held in March in London, Glasgow, and Dublin, and a Prelim. examn. (fee, 1½ g.) in Jan. in the same places and Manchester.

The *Preliminary* (min. age, 16), for admission of students, comprises Elem. Maths., Hist., Compn., and one of: Latin, French, German, Inorg. Chem., Botany, Geol. Candidates are expected to reach the standard of examn. No. 8 (*b*) of Appendix XX.

Candidates for admission as *Student* (min. age, 18) are exempt from undergoing the Prelim. if they have passed any of the examns. Nos. 7, 8 (*a*) or (*b*), 9 or 10, 9*a* or 10*a* (Hons.), 11, 12, 13, 14, 16, 19 (Interm.), 23 and 23 (*a*), or the Matricn. examn. of any Univ. in the U.K., Inst. C.E. Studentship, Prelim. of Inst. C.A., R.I.B.A., Law Soc., Auctioneers' and Estate Agents' Inst. or Sandhurst or Woolwich.

Unless a pupil of a Surveyor a candidate must be taking a course, approved by the Council as bearing on the profession of Surveyor, at one of the Univs. of the U.K. or their Affiliated Colleges, or one of the following: Harper Adams Agr. Coll., Newport; University Coll., Reading or Southampton; College of Estate Management; Midland Agr. and Dairy College; Seale-Hayne Agr. Coll., Newton Abbot.

For admission to the (i.) *Intermediate* (min. age, 19), a candidate must, unless at one of the institutions above mentioned, be actually engaged in an office where he has opportunities of obtaining practical experience in the profession. The subjects are grouped thus: I. chiefly Land Agency, II. chiefly Valuation, III. chiefly Building or chiefly Quantities, IV. chiefly Mining. A candidate may select any one of these subdivisions. For the (ii.) ordinary *Final* examination the candidate must have passed the Interm. in the same subdivision which he takes for the Final. The (iii.) *Direct Fellowship* examn. (min. age, 30) may be taken, without having passed (i.) or (ii.), by a candidate who has been in practice on his own account for 5 yrs. After 1927 all candidates for (i.), unless they have passed one of the exempting examns., must have passed the Prelim. Examn. or, if over the age of 25, a special test of general education.

For election as *Professional Associate* (P.A.S.I.) a candidate must have passed (i.) and (ii.), and be in practice as a Surveyor on his own account or employed as an Asst. in a Surveyor's office. For the Fellowship (F.S.I.) a candidate must have passed either (i.) and (ii.) or (iii.), and had 5 yrs.' experience as, and still be, either a Principal or Responsible Manager in an established business or a Head of a Dept. in the office of a public body reporting direct to his Board or Council.

Scholarships worth £80, £60, and £50, tenable for 3 yrs. at any Univ. in Great Britain, have been established by the Council.

XVIII

TEACHERS REGISTRATION COUNCIL

Constituted by Order in Council, 1912, and amending Order, 1926. *Address*—47 Bedford Sq., W.C.1.

The Conditions of Registration are: (*a*) a degree or other qualification approved by the Council; if obtained in respect of a technological subject the applicant must have spent 36 months, after attaining the age of 16, in the practice of the profession or industry in question, and of this period 12 mos. must have been concurrent with or subsequent to the course for the degree (or other qualification); (*b*) successful completion of a course, extending over at least 1 academic year or its equivalent, of training in the principles and methods of teaching, carried on under conditions approved by the Council and accompanied by practice under supervision; (*c*) experience as a teacher in educational institns. accepted for the purpose by the Council for a period varying according to circumstances, but in no case less than 1 academic year.

Condition (*b*) is waived in the case of a teacher who has had not less than 3 academic yrs.' experience as Recognized Teacher in Univs. and institns. of Univ. rank approved by the Council for this purpose. Until Dec. 31, 1930, condition (*b*) will be modified in other cases where the Council is satisfied that special circumstances have prevented the applicant from taking an approved course of training in teaching.

Registration fee: A single and final payment of £2.

EDUCATION AND TRAINING OF TEACHERS IN ENGLAND AND WALES

Courses of training for the teaching profession, recognized and aided under the Regulations of the Board of Education, are provided in Training Colleges and in the Training Departments which form part of the work of all Univs. in England and of the constituent Colleges of the Univ. of Wales and the Univ. Colleges of Exeter, Nottingham, and Southampton.

The Board's Regulations on the subject have recently been revised on lines which the Board have decided to follow in all their Regulations. So far as possible they are confined to the statement of the conditions upon which the Training Colleges will be recognized and aided by grants, and the responsibility for determining the particular means by which these conditions can best be satisfied is left primarily to the College authorities. The new Regulations embody those recommendations of the Departmental Committee on the Training of Teachers, which the Board consider can now be made conditions of recognition and

grant. The unification of the teaching profession and the removal of barriers between its different branches—objects which the Board had in view when they consolidated their several sets of Regulations for the Training of Teachers in 1918—have been carried a stage further by the abolition of the administrative distinctions between Elementary and Secondary Training Colleges. In pursuance of the Board's desire that their certificate for teachers should increasingly assume the character of an endorsement of qualifications independently tested by responsible academic authorities, detailed requirements about the various courses of training have been replaced by a simple provision to the effect that courses of training must be in accordance with a suitable curriculum, and that satisfactory arrangements must be made for the examination of the students at the end of their course. At the same time the authorities of Training Colleges have been invited to submit proposals to the Board showing the kinds of training which each College considers it can properly undertake ; and representatives of Univs., Training Colleges, and other bodies are now considering the possibility of co-operation in the examination of students of a College or a group of Colleges for the purposes of their recognition as teachers by the Board. Pending the completion of these consultations, the Board are making no changes in their requirements about the length of courses which they will approve for the purposes of the final examination.

A person who desires to enter a Training College as a *recognized student* or as a *private student* intending to follow a course qualifying him for recognition as a Certificated Teacher must (i.) be over 18 years of age on the first day of the academic year for which he is admitted to the College, or over 17 if he is taking a 4-year course which includes work for a Univ. degree ; (ii.) have passed before admission a First Examination for Secondary Schools (*i.e.* examinations in Appendix XX. numbered 7, 8(*b*), 9, 10, 11, 12, 13, and 14) or some approved examination of at least equivalent standard (*e.g.* the Matriculation Examination of any Univ. in England or Wales) or the Board's Preliminary Examination for the Certificate (this last Examination will not be held after 1928) ; and (iii.) satisfy the College authorities as to his character, probable suitability for the teaching profession, and health and physical capacity for teaching. A person who desires to enter as a recognized (*i.e.* grant-earning) student must also (iv.) be a British subject ordinarily resident in England or Wales, unless an exception to this rule is approved ; and (v.) sign a declaration of intention to complete the course of training and thereafter to adopt and follow the profession of teacher in an Approved school.

The principal types of courses at present recognized are : (i.) 4-year, *i.e.* 3 yrs. of study for a Univ. degree, followed by a year of professional training ; (ii.) 2-year, including a period of professional training concurrently with a period of academic study ; this course may, under special conditions for individual students, be extended for a third year or renewed for a year after three years' teaching in approved schools ; (iii.) 1-year, for graduates or Certificated Teachers who have not previously been trained at Training Colleges.

As regards (i.), a student may be admitted to the 2nd, 3rd, or 4th year if he has completed 1 yr., 2 yrs., or the whole of the course for a degree before entering the Training Department. He will not as a rule be certificated as a Teacher unless he has passed a Final examination for a degree.

As regards (ii.), suitable Univ. examinations forming recognized stages in courses for degrees may, subject to certain conditions, be approved for individual students as alternative final examinations.

A course of training extending over not less than 1 yr. at a Secondary School and providing for a systematic study of the principles and practice of teaching may be approved for a person who has obtained a Univ. degree, and a grant may be paid by the Board to the Governing Body of the School.

Teachers are eligible for Studentships: (*a*) "Full-time Studentships," not exceeding £100 for an academic year, for full-time courses of advanced study or research either at Univs. or other institutions; these are intended for teachers who are able to obtain a term or longer period of grace from school teaching for the purpose, but not for the whole or part of an ordinary degree course; (*b*) "Part-time Studentships," entitling the holders to a grant not exceeding ¾ of the fees of the proposed course, for approved part-time courses in Univs. or other institutions; teachers so assisted would continue their ordinary teaching work at the School.

The *College of Preceptors*, Bloomsbury Square, London, W.C.1, grants the following Diplomas to teachers: (1) A.C.P., (2) L.C.P., (3) F.C.P. The examns. for (1) and (2) are divided into Part I. non-professional subjects, and Part II. the professional examn., including a practical test of ability to teach. The standard in each subject of Part I. for the A.C.P. is that of the same subject in the London Univ. Intermediate Arts examn., and in each subject of Part I. for the L.C.P. that of the same subject in the London Univ. B.A. Pass Examn. Before sitting for Part II. candidates must submit evidence of teaching experience as follows: 2 years' (for L.C.P.—3 years') experience in teaching, or one year's (for L.C.P.—2 years') experience and one year's approved training. The F.C.P. Diploma is granted to candidates who, having already obtained the L.C.P. Diploma, submit a satisfactory thesis on some original research or experimental work in Education.

The *College of Handicraft* (Hon. Registrar, J. Lloyd, A.C.P., F.Coll.H., 6 Bailey Street, Ton Pentre, Rhondda, S. Wales), a constituent part of the Institute of Handicraft Teachers, incorporated in 1924, grants certificates of competency as Teachers of Handicraft to members of the Institute who satisfy the Board of Examiners of the College. The standard of examination is stated to be that of a University Diploma in Education, and the examinations are held in January of each year. A necessary qualification is recognition by the Board of Education as qualified teacher. Distinctive initials—M.Coll.H., etc. Academical dress may be worn by Members and Fellows.

The *Interchange of teachers between different parts of the Empire* and mutual recognition of certificates and service were among the subjects considered at the Imperial Education Conference held at London under

the Chairmanship of the Permanent Secretary to the Board of Education in July 1923, and a report was prepared by a committee of the Conference on I. Interchange ; II. Recognition of (*a*) service given elsewhere than in the country of origin—for the purposes of superannuation, (*b*) previous service—for calculation of salary in case of teachers who migrate ; III. Recognition of teachers' certificates throughout the Empire. The Teachers Superannuation Act of 1925 makes it possible for a teacher to leave service in a grant-aided school in England, and to serve for not more than 4 yrs. in the Dominions overseas without forfeiture of pension rights, provided 10 per cent. of the salary last received in England is paid by the teacher for the period of overseas service.

The League of the Empire (124 Belgrave Rd., London, S.W.1) promotes the interchange of teachers between the Mother Country and the Dominions on lines laid down by the Imperial Education Conference in 1923 (see preceding paragraph). The London County Council authorized the exchange of 50 teachers annually, and a number of local authorities in Great Britain also co-operate. Canadian, Australian, South African, and New Zealand Education Departments have reciprocated. A triennial Conference on Imperial Education is held by the League ; next meeting, 1927. A *Report of the Interchange of Teachers' Scheme*, 1907–1923, was printed for the 1924 Conference. This Conference endorsed the recommendations of the Education Authorities Imperial Conference of 1923 (see preceding paragraph) regarding the method of payment of salaries and the recognition of service abroad. The League has appealed for funds for establishing as a Memorial to the teachers who fell in the Great War a " Home Centre " in London, where teachers from any part of the Empire may find housing accommodation and a meeting-place. Hon. Treasurer, Sir Philip Hutchins, K.C.S.I., League of the Empire, 124 Belgrave Road, S.W.1.

The Overseas Education League, under the auspices of the Govts. of the Dominion of Canada, Newfoundland, New Zealand, and the Depts. of Education of Alberta, B.C., Manit., N.S., N.B., Ont., P.E.I., Que., Sask., New S. Wales, Vict., W. Aust., Natal, and Sierra Leone, undertakes the organization of official visits of Teachers to Great Britain and other parts of the Empire, interchange of Teachers and School Inspectors within the Empire. Tours for Canadian University Undergraduates to Great Britain and Europe are also arranged by the League. In 1925, for the first time, a party of British Secondary teachers and others visited Canada from Coast to Coast under its auspices. Office of the Hon. Organizer in Canada (the Exec. Secy., National Council of Education)—607 Boyd Bldg., Winnipeg.

The Fellowship of the Maple Leaf for the supply of British teachers for Western Canada is interested primarily in Elementary Schools, but also places teachers in Private Schools, High Schools, and Universities. Office—13 Victoria St., Westminster, S.W.1.

XIX

THE TEXTILE INSTITUTE

Founded 1910. Incorporated by Royal Charter 1925. *Address*—Head Office, St. Mary's Parsonage, Manchester. Branch office, 38 Bloomsbury Square, London.

The Associateship (A.T.I.) implies, in addition to attainments tested by examination in connexion with recognized training institutions, a good general knowledge of textile technology, with period of approved occupation. Fellowship (F.T.I.) involves systematic study or research, subsequent to Associateship, and a further period of approved occupation.

GENERAL

National Union of Scientific Workers. Founded 1918. *Address*—25 Victoria Street, London, S.W.1. Aims at bringing together into one professional organization all qualified scientific workers, viz.: those engaged in (*a*) University and other Higher Educational Institutions and State-aided Research Institutions, (*b*) Industry and Consultative Practice, (*c*) State and Municipal Scientific Departments. Yearly subscription, 30s. (10s. reduction for members of Assocn. of University Teachers, Incorporated Assocn. of Asst. Masters, and Assocn. of Teachers in Technical Institutions). Official journal, published 6 times a year, *The Scientific Worker.* President, Prof. J. S. Huxley, M.A.; Genl. Secy., A. G. Church, D.S.O., B.Sc.

Professional Openings in the King's Dominions Overseas

Information on this subject is available in the *Professional Handbook* issued in 1927 by the Oversea Settlement Department, Caxton House, Tothill St., London, S.W.1, in 4 Parts: I. Barristers and Solicitors, Notaries Public; II. Physicians and Surgeons, Dentists, Vet. Surgeons, Nurses, Chemists and Druggists; III. Civil Service; Clerks, Stenographers, Typists, and Accountants; Governesses, Teachers; IV. Architects and Engineers, Auctioneers, Commercial Travellers, Police, Surveyors. Price of each Part, 9d.

XX

LIST OF EXAMINATIONS REFERRED TO IN THE PRECEDING APPENDICES

1. Oxford Responsions;
1*a*. Oxford, First Public Examn. before Moderators;
1*b*. Oxford, Prelim. Examn. in Jurisprudence;
2. Cambridge Previous;
3. London Matriculation;
4. Durham Matriculation;
4*a*. Durham, Examn. in Arts for the 2nd year;
5. Wales Matriculation;
6. Joint Board of Northern English Univs. (Manc., Liv., Leeds, Sheff., Birm.) Matricn.;
7. The same Board's School (7*a*—Higher School) Certificate;
8. Oxford and Cambridge Schools Examn. Board's (*a*) Higher, (*b*) School, (*c*) Lower Certificate;
9. Oxford School Certificate (Senior Local);
9*a*. Oxford Junior Local;
9*b*. Oxford Higher School Certif.;
10. Cambridge School Certificate (Senior Local);
10*a*. Cambridge Junior Local;
10*b*. Cambridge Higher School Certif.;
11. Bristol School (11*a*—Higher School) Certificate;
12. Durham School (12*a*—Higher) Certificate;
13. London General School;
13*a*. London General (School) Matricn.;
13*b*. London Higher School;
13*c*. London Junior School;
14. Central Welsh Board's School or Higher Certificate;
15*a*. University College, London, Matricn.;
15*b*. King's College, London, Matricn.;
15*c*. City and Guilds (Engineering) College, London, Matricn.;
16. College of Preceptors, Senior;
16*a*. College of Preceptors, Junior;
17. University College, Southampton, Special Entrance (Engineering);
18. Scottish Univs. Preliminary in Science;
19. Scottish Educn. Dept. Leaving Certif.;
20. Belfast Matricn.;
21. N.U.I. Matricn.;
22. Dublin General at end of Senior Freshman year;
23. Irish Intermediate (Middle Grade);
23*a*. Irish Intermediate (Senior Grade);
24. Responsions at St. David's College, Lampeter.

XXI

MATRICULATION EXAMINATIONS IN GREAT BRITAIN AND IRELAND AND EXEMPTION THEREFROM. (SEE ALSO APPENDIX XXIII.)

[The *School* and *Higher School* Examinations and Certificates referred to in this Appendix are those described on p. 4.]

(*a*) BIRMINGHAM, LEEDS, LIVERPOOL, MANCHESTER, AND SHEFFIELD

The Matriculation Examn. held at each of these Univs. in July and Sept. (fee, £2) is conducted by a *Joint Board*. *Address* of the Secy. (J. M. Crofts), 315 Oxford Rd., Manchester. Candidates are required to satisfy the examiners at one and the same examn. in English Composition, in 5 subjects chosen as follows, and in the examn. as a whole: I. either English Literature or History; II. either Maths. or Latin; III. three other subjects, not already taken under I. and II., chosen from: 1. Engl. Lit., 2. Hist., 3. Geog., 4. either Music or Art, 5. Greek, 6. Latin, 7. French, 8. German, 9. some other Approved Language, 10. Maths., 11. Mechanics, 12. Physics, 13. Chem., 14. Physics-with-Chemistry, 15. Natural Hist., 16. Botany; provided that candidates who take Maths. under II. must include one of subjects 5-9, and those who take Latin under II. must include one of 10-16. A paper on "Experimental Science in its relation to Agricultural Life" may be taken along with 16 but not with 12, 13, or 14. The several Univs. impose special conditions for entrance to certain Faculties.

Exempting Examns. Those numbered 1 and 2, Appendix No. XX., London Intermediate examn., Intermediate examn. in Arts, Sc., or Med. of an approved Indian Univ., Final Examn. of Law Society (in case of Barrister or Solicitor entering Faculty of Law), Special Army Education Certificate at Advanced Standard; also, subject to provisos, Nos. 3, 7, 8 (*b*), 9, 10, 11, 12, 13, 14, 19, and at the Board's discretion other examns. of equal or higher standard. A degree conferred by an approved Univ. after examination also entitles to exemption. See also Appendix XXIII.

Trained Certificated Teachers may obtain exemption under certain conditions.

A *Special Examination* for *candidates of mature years* (not under 23 on May 1 of year of application) has been instituted. Applications (with fee, £2, and birth certif.) will be received up to May 1.

A *Special Examination* has been instituted for candidates not below 19 yrs. of age, who have been *engaged in industry and commerce* for at least 3 yrs. since leaving school, and have as students attended satisfactory day or evening courses for at least 3 yrs. English (or History) and a foreign language are compulsory subjects. Date, July. Fee, £2.

Special Regulations for Entrance to Faculties

BIRMINGHAM. Candidates entering the *Arts* faculty, except those taking a degree in Music, must have passed in Latin (or Greek) and a Modern language. Candidates for the LL.B. must have passed in Latin and a modern language. Those taking B.Sc. in *Pure Science* are recommended to take both French and German in Matricn. examn.; those taking B.Sc. in *Engineering*, to take Mechanics and Additional Maths.

LEEDS. For admission to courses for the *B.A.* a Latin qualification is required. Candidates taking Physics as a principal subject for the *B.Sc.* must produce evidence of an adequate knowledge of Mechanics. *Medical* and *Dental* students are ordinarily required to have passed in Maths. at the Matriculation Examn.

LIVERPOOL. Candidates for the *B.A.* are required to have passed in Latin or Greek at matriculation standard. *Engineering* students are recommended to pass in Mathematics (with the paper in Additional Maths.) and one of: Mechanics, Physics, Chemistry; they may not include Music or Art. *Medical* and *Dental* students must have passed in Physics and Chemistry and have attained 17 years of age.

MANCHESTER. Candidates for the *B.A.* ordinary degree must pass the Intermediate Examn. in Latin or Greek. Those intending to enter upon any Honours course in Arts (save Archit., Economics, Philos., and Geog.) must ordinarily have passed in Latin or, for Hons. School of German or English, in Greek, unless prepared to devote 4 years to the course. For admission to a degree course in *Science* Maths. and Mechanics are required. Candidates for the *LL.B.* must have passed in Latin at matriculation standard. For admission to a course for a degree in the Faculty of (*a*) *Medicine*, (*b*) Science, (*c*) Technology, respectively, are required: (*a*) Latin, Maths., and Mechanics, (*b*) Maths. and Mechanics, (*c*) Maths.

SHEFFIELD. Candidates for the *B.A.* with Honours (other than in Maths. or Economics) or for the *B.A.* ordinary degree must pass the Intermediate Examn. in Latin or Greek, and no language course for the Intermediate Examn. may be entered upon without proof of an adequate elementary knowledge of the language. *Medical* and *Law* students must have qualified in Maths. and Latin respectively. *Engineering* students should present Maths. and include Mechanics or Physics or Chemistry.

(*b*) BRISTOL

The University recognizes as qualifying for Matriculation: 1. *Graduation* in a Univ. in the United Kingdom or some other approved Univ. 2. *Higher school certificate.* 3. (i.) *School certificate* with credit in 5 subjects from groups i., ii., iii., at least one subject being taken from each group, and one being: (*a*) for faculty of arts—either Latin or Greek; (*b*) for other faculties—mathematics. For the purposes of this qualification credit in religious or scriptural knowledge is not reckoned. (ii.) *School certificate* if the Senate is satisfied that such proficiency has been shown in a particular group of subjects as to qualify for

curriculum for degree. 4. *Scottish* Education Department's *Leaving Certificate*. 5. Special Army Education Certificate. 6. Trained certificated *teacher's* qualifications, under certain conditions. 7. *Matriculation* examn. of any univ. of the United Kingdom ; Oxford Responsions ; Cambridge Previous examn. 8. Sufficient qualification for original *research* in case of candidate for research degree. 9. In exceptional circumstances sufficient education and attainments in case of candidate *over* 23 *years of age*.

(*c*) CAMBRIDGE

The *Previous Examination* comprises : I. (*a*) Latin, (*b*) Greek, (*c*) French, (*d*) German, (*e*) Italian, (*f*) Spanish ; II. (*a*) Maths. (elementary), (*b*) Maths. (less elementary), (*c*) Experimental Physics and/or Chemistry ; III. (*a*) English essay and précis writing, (*b*) Holy Scripture (Gospels and Acts of the Apostles), (*c*) English History.

Candidates must pass in at least two of the languages in Part I., including (*a*) or (*b*), in II. (*a*) and either II. (*b*) or II. (*c*), and in III. (*a*) and either III. (*b*) or III. (*c*). The parts may be taken separately.

Natives of Asia or Africa, not being of European descent, may offer English literature in lieu of one of the languages [other than (*a*)] in Part I., and Arabic, Chinese, Sanskrit, or Pali, in lieu of I. (*a*).

Exemption is obtainable by means of : 1. *School certificates*—(i.) with credit in 5 subjects (or in 4, one at least from each of groups i., ii., and iii.) of which one must be Latin or Greek, or (ii.) with less complete credit, giving only partial exemption ; 2. *Higher School, Scottish Leaving*, or *Northern Ireland Senior Certificates*, subject to certain other conditions ; 3. *Matriculation Certificates* (see below) ; 4. *Certificates of graduation* in any Univ. in Great Britain, provided that in one of the examns. leading up to the degree the candidate passed in Latin or Greek ; 5. For students at an affiliated Local Lectures Centre (see p. 58), passing an approved examination in (1) Arithmetic ; (2) Euclid, Books I., II., III. ; (3) Algebra to Quadratic Equations inclusive ; (4) Latin, and one of the following—Greek, French, German, and complying with the requirements for admission to the privileges of affiliated students, as specified on p. 58 ; 6. *Foreign Certificates* (see Appendix XXIII.).

Matriculation Certificates. A student who has passed one of the undermentioned " approved examinations " is exempted from Part I. of the Previous Examn. if he passed in 2 languages other than English, one of which is Latin or Greek, provided that both were taken on one and the same occasion ; from Part II. if he passed in either Mathematics or Physics or Chemistry ; from Part III. if he passed in English.

The " approved examinations " are : Oxford Responsions and the Matriculation Examn. of the other English Univs., the Univ. of Belfast, and the N.U.I. (see also Appendix XXIII.) ; the Preliminary Examn. in Arts or in Science of the Scottish Univs. ; and examns. affording exemption from and examns. subsequent to matriculation in any of the above-mentioned Univs.

In exceptional circumstances the Council of the Senate may grant exemption in other cases.

(*d*) DURHAM

A Matriculation Examn. is held for admission to the *Durham Colleges* only. The subjects are (*a*) Modern History or English, (*b*) Mathematics. (*c*) Chemistry, (*d*) Physics, (*e*) Logic, (*f*) Additional Mathematics, (*g*) Latin or Greek, (*h*) French or German, (*j*) Geography, (*k*) Botany, (*l*) Religious Knowledge, including Greek Testament, (*m*) Ancient History. Students in Arts or Theology must take 5 subjects, including (*a*), (*g*), and one of (*b*), (*c*), (*d*), (*e*) ; in Science—5 subjects, including (*a*) and (*b*), either (*c*) or (*d*), a foreign language, ancient or modern, and one selected from a list; in Music—any 4 of the above named or a foreign language and 2 other subjects.

The following are recognized for *exemption* from this examn. : (i.) *graduation* in any Univ. in the United Kingdom or other Univ. recognized by the Matriculation Board ; (ii.) subject to certain conditions, *Higher school certificate, School certificate* with credit in not less than 5 subjects [other than Religious Knowledge and subjects in Group D], Matriculation examn. of any Univ. in Great Britain or Trinity College, Dublin, Oxford Responsions, Cambridge Previous ; (iii.) Scottish Leaving Certificate, higher or honours grade ; (iv.) Army Special Certificate ; (v.) Irish Free State Leaving Certificate.

In exceptional circumstances when a candidate is *over 23 years of age* other sufficient evidence of previous education and attainments is accepted. The Board interviews such candidates (in July only) submitting them to such examn. as it may think necessary.

For matriculation in the *College of Medicine* the following are recognized : I. (i.) graduation in Arts in a Univ. of the British Empire ; (ii.) certain of the School and Higher School certificates, the Scottish Leaving Certificate, and Matriculation examns. of Univs. in Great Britain and Ireland, provided the candidate passed in English, Elementary Maths., Greek or Latin (Oriental Students—Sanskrit), French or German, or other approved modern foreign language, and one other subject from a list of 15.

For admission to *Armstrong College* the following are recognized subject to specified conditions as to required subjects (the candidate must have passed in either 5 at one examn. or 4 at one and 2 at a subsequent examn.) : certain of the School (with credit) or Higher School certificates, the Scottish Leaving Certificate, and Matriculation examns. of Univs. in England. The required subjects are English, Elementary Mathematics, one of Latin or Greek or French or German, and 2 other subjects (or 3 when the candidate passed in only 4 required subjects at one examn.) from a list of 17.

Candidates of *more than 23 years of age* whose native language is English may be admitted on producing satisfactory evidence of educational attainments.

In special circumstances a special entrance examination may be taken by candidates who have been *engaged in technical pursuits* for 2 years approximately, and propose to study Engineering, Naval Architecture, Mining, Metallurgy, or Agriculture. The subjects of the

Examn. (held in Sept.) are: English, a modern foreign language, Elem. Maths., two other selected subjects.

In special circumstances not provided for above, candidates may apply for exemption from ordinary requirements.

(*e*) London

The University conducts 3 examns. qualifying for matriculation: 1. the ordinary Matricn. Examn., 2. the General School Examn., 3. the Examn. under Statute 116. As regards 2. and 3., see pp. 116, 668. To pass 1. a candidate must at one and the same examn. satisfy the examiners in English, Elementary Maths., and 3 of the following: (*a*) Latin, (*b*) Greek, (*c*) Botany, (*d*) Chemistry, (*e*) Heat, Light, and Sound, (*f*) Mechanics, (*g*) Electricity and Magnetism, (*h*) French, (*j*) German, (*k*) Italian, (*l*) Russian, (*m*) Spanish, (*n*) another approved language, (*o*) History—Roman, or Greek, or English, or European, or of the British Empire, (*p*) Geography, (*q*) Logic, (*r*) Drawing—geometrical and mechanical, (*s*) Maths.—more advanced, (*t*) Zoology, (*u*) Geology, (*v*) Music—theory, (*w*) Economics. One of the 7 subjects (*a*) to (*g*) must be included, and one of the subjects offered must be a language other than English. Candidates may present two special oriental languages under certain conditions. At the Intermediate Examn. in Arts it is compulsory to offer (*a*) or (*b*), whether taken at the Matricn. examn. or not. Law students are advised to offer (*a*) and English History at their Matricn. Examn.

Exemption may be obtained by (1) graduates of approved British, Colonial, and Indian Univs. and persons who have passed all examns. required for a degree in those Univs.; (2) subject to certain conditions, among them the passing with credit in five subjects at one and the same examn., persons who have passed the examns. numbered 7, 8 (*b*), 9, 10, 12 in Appendix XX.; (3) subject to other conditions persons who have passed examns. 2, 6, 8 (*a*), 19. See also Appendix XXIII.

(*f*) Oxford

Responsions comprises: I. (*a*) Latin, (*b*) Greek; II. (*a*) English, (*b*) French, (*c*) German, (*d*) Italian, (*e*) Spanish; III. (*a*) Maths., (*b*) Natural Science. To pass a candidate must have satisfied the examiners *either* in both subjects from Group I. and in both subjects from Group III., *or* in at least one from each group and in 4 subjects in all; he must also have passed in 2 languages other than English, and either have passed in all 4 subjects at one examn. (in which case special merit in one or more subjects may compensate for comparative weakness in any one) or in 3 at one examn. and in a fourth at a subsequent examn.

Exemption may be obtained: A. by students of *Music* certified as such by the Prof. of Music, who have passed their (Oxford) Preliminary Examination; by persons accepted for admission as *Service Students* or *Imperial Forest Service Students* or *Special Students* or *affiliated* Colonial, Indian, or Foreign Senior or Junior 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.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.

B. subject, *inter alia*, to passing in 2 languages other than English, of which either Latin or Greek shall be one, persons who have passed a School or Higher School Certificate Examn. or gained a class in the Final Senior Freshman Examn. of Dublin or a Scottish Preliminary Examn. Certificate, or passed any of the examns. numbered 2, 3, 5, 6, 19 in Appendix XX., or the Northern Ireland Senior Certificate, or the Intermediate Arts or higher examn. of Birmingham, Durham, Leeds, Liverpool, London, Manchester, or Sheffield.

(*g*) READING

Matriculation, minimum age 17, is open to (*a*) graduates of Univs. in the United Kingdom or other approved Univs. ; (*b*) persons who have passed or obtained exemption from the matriculation examn. of the Univ. of London or of the Joint Board (v. *supra*), or have satisfied the conditions for such exemption ; (*c*) persons who, being at least 25 years of age, have passed a special examination held by the Univ. " for candidates of mature years." In exceptional circumstances the Senate may accept other evidence of previous education and attainments.

(*h*) WALES

The Matriculation Examn., the passing of which is a condition of matriculation for students of the constituent Colleges who have not passed an equivalent examn., is held at each of these Colleges about the end of Jan. and the end of June each year. The subjects are (*a*) English, (*b*) Latin, (*c*) Greek, (*d*) Welsh, (*e*) French, German, other approved languages, (*f*) History, (*g*) Music, (*h*) Mathematics, (*j*) Dynamics, (*k*) Physics (including Mechanics), (*l*) Chemistry, (*m*) Botany, (*n*) Biology, (*o*) Geography. A candidate must pass at one and the same examn. in 5 subjects, including (*a*), one of (*b*), (*c*), (*h*), at least one language [and not more than two unless both (*b*) and (*c*) are offered] in addition to English, and either (*h*) or one of (*j*) to (*o*). No candidate may offer both (*j*) and (*k*) or both (*m*) and (*n*).

Examinations recognized as equivalent subject for subject : (*a*) The Matricn. examns. of London, of the Northern English Univs. Joint Board, or of Dublin, or the Preliminary Examn. of the Scottish Joint Board ; (*b*) School Certificate Examns. (except Durham's), the Leaving Certificate (Higher Grade) of the Scottish Education Dept., the Senior Certificate of the Ministry of Education for Northern Ireland, and the Leaving Certificate of the Intermediate Education Commissioners of the Irish Free State (with credit at one and the same examn. in each of the subjects required by the Welsh matricn. regulations). A pass in a " First Examn." in Music gained before 1925 will not count for exemption nor will other passes before July 1, 1924, except in accordance with conditions for exemption then in force.

Candidates of 23 *or more years of age* may be exempted on the special recommendation of a constituent College.

(*i*) SCOTTISH UNIVERSITIES (see also p. 273)

Qualifications for admission to degree courses in Scottish Universities after Jan. 31, 1927.

I. Scottish Education Dept.'s Group Leaving Certificate showing passes (including at least two on the Higher Standard) in at least 4 of the following subjects: (i.) English (including Literature and History); (ii.) Mathematics, Science; (iii.) Latin, Greek, French, German, Italian, Spanish, Gaelic; (iv.) Art, Music, Applied Science. Provided (*a*) the passes must include one from each of the groups ii. and iii.; (*b*) unless they include three on the higher standard the Certificate must show either (1) passes in Latin (or Greek) and in Maths., or (2) a pass on the Higher Standard in Latin (or Greek) or in Maths., and that all the four passes are in subjects taken from groups (i.), (ii.) and (iii.).

II. Other certificates affording evidence of a satisfactory secondary education on lines above specified.

III. Examination under the Entrance Board in 4 subjects selected from the following, including at least one from each group: (i.) as under Clause I.; (ii.) Maths., Physical Science; (iii.) as under Clause I., or other approved language. Proviso (*b*) applies, and candidates are ordinarily required to reach the higher standard in English. The only subjects in this examination in which lower standard passes can be obtained are Latin, Greek, and Maths.

Examinations recognized in the case of applicants from outside Scotland: (*a*) Oxford Responsions; (*b*) Cambridge Previous; (*c*) any School or Local Examns. conducted under the auspices of the Univ. of Oxford or Cambridge which are accepted as exempting from (*a*) or (*b*) respectively; (*d*) London matriculation examn. A candidate who has been educated chiefly in England, or Wales, or Ireland, and who has such qualifications as would admit him to a Faculty in a Univ. in one of those countries, will be exempted from the Preliminary examn. Special application for partial exemption may be applied for where the conditions for complete exemption have not been fulfilled. See also Appendix XXIII.

(*j*) 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*) Geography, (*k*) Chemistry, (*l*) Botany, (*m*) for Faculties of Arts, Commerce, Applied Science, and Technology—Celtic, (*n*) for Science, Medicine, or Applied Science or Technology—Mechanical Drawing; for Commerce—(*o*) Elementary Economics, and (*p*) Accounting. For Arts, Science, or Medicine one language other than English must be taken; for Commerce—French or German or Spanish; for Applied Science or Technology—one of the languages (*a*)-(*f*).

For Engineering students there is a special Matricn. Examn. comprising English, Maths., Further Maths., Greek or Latin or French or

German or Italian or Spanish, Physics or Chemistry, Modern History or Geography.

A candidate who has passed in at least 3 subjects, but failed to pass the examn. as a whole, is allowed to complete his matricn. at the next subsequent examn.

For *exemption* the Univ. recognizes 1. graduation in a British Univ.; 2. the Final Junior Freshman Examn. of Dublin, provided the candidate has passed in the subjects required by Belfast and, in the case of medical students, the subjects required by the G.M.C.; 3. for entry to any faculty the candidate would have been entitled to enter in the Univ. whose examn. he has passed—the examns. numbered 1, 2 (Parts I. and II.), 3, 5, 6, 13, 21 in the list in Appendix XX. or the examn. of the Scottish Univs.' Entrance Board; 4. subject for subject—the examns. 8 (*a*), 8 (*b*) (with credit at one and the same examn. in all subjects), 9, 10, 11, 19 (Higher or Honours), 23 (*a*), and certain others.

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 such candidates to such tests of their fitness to profit by the courses of the Univ. as they may consider necessary in each case.

(*k*) Dublin

The Matriculation Examn. in Arts, held five times a year, comprises English Composition, Mathematics, English History, Modern Geography, Latin, and one of: Greek, French, German, Italian, Spanish, Irish.

The Matriculation Examn. in Science comprises English, Mathematics, French or German, and one other language.

Exemption, partial or complete, may be obtained by candidates who hold the leaving certificate of the Department of Education, or any other examn. regarded by the Senior Lecturer as equivalent thereto.

(*l*) National University of Ireland

The Matriculation Examn., held twice a year, comprises six groups of subjects: (*a*) Irish, (*b*) Latin or Greek, (*c*) any modern language approved by the Senate, (*d*) English, (*e*) Maths., (*f*) Latin, Greek, any modern language approved by the Senate, History, Geography, Applied Maths. *or* Physics, Chemistry, Botany (for women candidates only), Physiology, and Hygiene. Candidates must pass in 5 subjects, and none except engineering students may present more.

Those born in Ireland, whose home residence has not been outside Ireland during the 3 preceding years, must pass in Group I. Others may present in lieu of Irish either a second language or a second Science subject; they will be expected to attend a course in Irish Literature and History before obtaining a degree in the Univ. Students entering for Degrees in (1) Arts, Philosophy, and Celtic studies, (2) Law, (3) Medicine or Dentistry, (4) Science and Commerce, (5) Engineering, must take: (1) subjects in groups (*a*), (*b*), (*d*), (*e*), (*f*); (2) Latin, and subjects in (*a*), (*d*), (*e*), (*f*); (3) Latin, (*a*), (*d*), (*e*), and a fifth subject, but if already registered by the G.M.C., students may take the subjects pre-

scribed for any other faculty ; (4) or (5) one from each of (*a*), (*d*), (*e*), and two others from (*f*).

Exemption. Passes in the Intermediate Senior Grade or the Leaving Certificate Examn. in any of the subjects recognized for matriculation are accepted as equivalent to passes in these subjects at the Matricn. Examn. even though the former examn. was not passed as a whole. Provided that the subjects required have been passed, the Univ. accepts the following in lieu of their own Matricn. Examn. : the examns. numbered 1, 2 (Parts I. and II.), 9, 10, 19 (Higher), in Appendix XX., and the Scottish Preliminary Examn.

XXII

STUDENTS FROM OTHER COUNTRIES IN THE UNIVERSITIES AND UNIVERSITY COLLEGES OF GREAT BRITAIN AND IRELAND *

From AFRICA 1054, AMERICA 824, ASIA 1754, EUROPE 643, THE PACIFIC 321. Grand total 4596. The number of students from each of the countries which contributed largely to these totals and the names of the institutions which received them in large numbers are given below :

AFRICA. *Egypt.*—Total 338 : at Birmingham 60, Cambridge 20, Leeds 16, Liverpool 19, London colleges 115 (Imperial College 17, School of Economics 15, Medical Schools 32), Manchester 24, Edinburgh 38. *Mauritius.*—33 : at London 24. *Nigeria and West Africa.*—46. *South Africa and Rhodesia.*—624 : at Cambridge 65, Liverpool 32, London colleges 296 (University College 17, Medical schools 181, Schools of Music 43), Oxford 68, Edinburgh 89, Glasgow 26, Dublin 24.

AMERICA. *Canada and Newfoundland.*—156 : at Cambridge 16, London colleges 52 (Schools of Music 17), Oxford 43, Edinburgh 24. *South America.*—79 : at Cambridge 19, London colleges 15. *United States.*—449 : at Cambridge 67, London colleges 139 (University College 37, King's 17, School of Economics 35), Oxford 166, Edinburgh 65. *West Indies* —129 : at London colleges 42 (Medical schools 33), Edinburgh 34.

ASIA. *China.*—112 : at London colleges 55 (School of Economics

* Compiled from lists received from all Universities and University Colleges. A LIST OF NAMES OF STUDENTS FROM ABROAD has been printed, and can be obtained from the Universities Bureau. Many students from other countries study without enrolling in any university or university college. Among them are law students and students in technical schools and research institutes. None of these are included herein.

24), Edinburgh 17. *India, Burma, and Ceylon.*—1361 : at Bristol 22, Cambridge 129, Durham 17, Leeds 29, London colleges 690 (University College 124, King's 60, Imperial 114, School of Economics 81, Oriental Studies 38, Medical Schools 155, Polytechnics 50), Manchester 56, Oxford 52, Sheffield 27, Edinburgh 162, Glasgow 77, St. Andrews 22. *Japan.*—86 : London colleges 50 (School of Economics 35). *Malaya.*—45 : London colleges 23. *Mesopotamia.*—25. *Palestine.*—42 : London colleges 28. *Siam.*—62 : London colleges 17.

EUROPE. *Austria.*—26. *Denmark.*—18. *France.*—42 : London 25. *Germany.*—93 : London 78 (University College 22, School of Economics 46). *Greece.*—20. *Holland.*—43 : London 25. *Hungary.*—20. *Italy.*—22. *Latvia.*—15. *Norway.*—19. *Poland.*—39 : London 30. *Roumania.*—27. *Russia.*—73 : London 60 (School of Economics 25). *Serb-Croat-Slovene State.*—30. *Spain.*—30. *Sweden.*—19 : London 17. *Switzerland.*—39 : London 22.

THE PACIFIC. *Australia.*—196 : Cambridge 45, London colleges 78 (Medical schools 28, Schools of Music 15), Oxford 40, Edinburgh 16. *New Zealand.*—123 : Cambridge 34, London colleges 44, Oxford 24.

ALL COUNTRIES.—Birmingham 101, Bristol 51, Cambridge 500, Durham 45, Leeds 68, Liverpool 91, London colleges 2114 [University College 366, King's 114, Imperial 215, School of Economics 393, Oriental Studies 56, Bedford (women) 36. Medical schools 543, Schools of Music 123], Manchester 143, Oxford 468, Sheffield 41, Edinburgh 528, Glasgow 217, St. Andrews 37, Dublin 40.

XXIII

ADMISSION AS UNDERGRADUATES OF THE UNIVERSITIES OF GREAT BRITAIN AND IRELAND OF PERSONS EDUCATED ABROAD

The following notes relate to the admission of students from other countries proposing to take full courses for a First degree, excluding from consideration those who seek admission with advanced standing on the ground of having already pursued courses in other Univs.* and those who seek only to study without aiming at a degree.

A comparison of the regulations of the several Univs. in question governing admission of such students discloses a general agreement in principle, with divergencies in application.

The regulations are drafted on the understanding that the application to a student educated in another country 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 acceptance from such a student of other evidence of academic qualifications: ordinarily certifs. which would entitle to admission to a 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.

The lines along which this policy has been applied in the several Univs. may be briefly indicated as follows:

At *Oxford and Cambridge* "Responsions" and the "Previous" Examn. respectively take the place of the Matriculation Examn. of other Univs. An *Adviser to Colonial and Foreign Students* is attached to the Univ. Registry at Oxford.

Exemption may be obtained, not only from Responsions (and also the Examn. in Holy Scripture) or the Previous Examn., but also from the Entrance Examns. of the other Home Univs., by passing the Oxford or Cambridge Senior Local Examns., which are held in various parts of the British Empire overseas.

Oxford Responsions. Exemption may be granted to any person who has obtained (1) a certificate of having passed *either* (*a*) the matricula-

* A résumé of Regulations regarding such concessions is given on p. 17.

tion examn. of the Joint Board of the South African Universities, *or* (*b*) the Secondary School Certificate Examn. of the Education Dept. of the Transvaal or (Senior Certif.) of the Cape Province, provided that it shows that he has obtained at least 60 p.c. in each of two of the languages Latin, Greek, French, German, Italian, Spanish, 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 :

Univ. of McGill Matricn., or First Year in B.A. course ; Ontario Educn. Department's Junior Matricn. ; Univ. of Toronto Senior Matricn., or First Year ;
Univ. of Adelaide Public (Leaving) ; Univ. of Melbourne School-leaving (Class B) ; Univ. of Tasmania Public Leaving ; Univ. of W. Australia School-leaving ; New South Wales Educn. Department's Leaving Certit. ;
New Zealand Matricn. or Entrance Scholarship ;
Univ. of Malta Matriculation ;
Univ. of Hong-Kong Senior Local ;
Part I. of the Baccalauréat de l'Enseignement Secondaire in France ; or

(3) A certificate or certificates qualifying him for admission to a univ. in the Republic of Austria, Belgium, the Czecho-Slovakian Republic, Denmark, Finland, France, the German Reich, Holland, Hungary, Italy, Norway, Poland, the Serb-Croat-Slovene State, Sweden, or Switzerland, provided it shows that he has satisfied the examiners in either Latin or Greek ; also to any person who has obtained the degree of B.A. or B.Sc. at an approved Indian Univ., provided that his course at his Indian Univ. included the study of English and one of the languages, Latin, Greek, French, German, Sanskrit, Arabic, Persian, Pali, Classical Chinese.

Cambridge Previous Examn. Exemption may be granted from the several Parts of the Examn. to a person who (i.) has passed the Matricn. Examn. of British Columbia, McGill, Toronto, Adelaide, Melbourne, Queensland, Sydney, Tasmania, W. Australia, New Zealand, any of the Univs. of S. Africa or an examn. affording exemption from, or subsequent to the matricn. examn. in any of these Univs. (see also Appendix XXI.), or (ii.) holds a certificate qualifying for admission without further examn. into the Univ. of any European state, or (iii.) holds the Egyptian Govt. secondary education certif. and is not of European parentage, as follows :

(i.) From Part I. if he has passed in 2 languages other than English, one being Latin or Greek, provided that both have been taken on one and the same occasion ;
From Part II. if in either Mathematics or Physics or Chemistry ;
From Part III. if in English.
(ii.) From Part I. if he has passed (either in the Examn. in question or in another Univ. Examn. in the same country, certified by the authorities

of the Univ. as ranking higher) in 2 languages other than his mother-tongue, of which one is Latin or Greek.

From Part II. if in either Mathematics or Science ;

From Part III. if in a Modern Language other than that used for exemption from Part I.

(iii.) From Parts II. and III. and also, provided that in one at least of the 2 examns. for the certif. he has passed in French, from Part I.

Exemption from the whole of the Examn. may be granted to a student from the U.S.A. who has (1) passed the College Entrance Examination Board's Examn., (2) qualified for admission to one of the undermentioned Univs. or Colleges in the U.S.A. and passed some examn. or examns. conducted by one of them. Provided that the examns. passed cover English (3 units or an equivalent standard), Latin or Greek (4), a third language (3), and Maths. (3).

The following is a list of Univs. approved by the Univ. of Cambridge for the purposes of acceptance of their graduates as *Affiliated Students*, who are exempt from the Previous Examn. : (1) In Great Britain and Ireland—all ; (2) in Canada—Alberta, Br. Col., Dalh., McGill, Manit., New Bruns., Queen's, Sask., Tor. ; (3) in Australia—all ; (4) New Zealand ; (5) Hong-Kong and the Shantung Christian Univ., Tsinan, China ; (6) in S. Africa—all ; (7) in India—Alig., All., Ben., Bom., Calc., Dacca, Madras, Nag., Panj. ; (8) in U.S.A.—The 34 institutions of complex organization listed in Appendix XXV., see p. 706 ; (9) Basle, Berne. Graduates of St. David's College, Lampeter, are likewise accepted.

A candidate who has obtained a 1st class in the Intermediate Examn. in Arts or Science, or a 1st or 2nd class in the examn. for the B.A. or B.Sc. in an approved Indian Univ., 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, or Pali, in Maths. or Science, and in English. Univs. approved for the purposes mentioned in the preceding paragraph are approved with reference to this paragraph also.

A candidate who has obtained a First Class in the Intermediate Examn. held by the Board of High School and Intermediate Education of the United Provinces of India is exempted if either in this examn. or the High School Examn. which leads up to it he has passed in a classical language, in Maths., in English, and in History or Geography.

A student of non-European descent who has been awarded a scholarship by the Govt. of Palestine for study at Cambridge is exempted if he is a B.A. of the American Univ. of Beirut and if the examns. leading up to his degree include English, Maths., or Science, and one of the languages Greek, Latin, French, German, Arabic, Hebrew.

London. Persons of nineteen years of age and upwards who are not qualified for exemption from matriculation, but who present (*a*) Certificates of Matriculation in Colonial Univs., or (*b*) Indian or Foreign Certificates from an Academical or other Educational Authority which in the opinion of the Principal Officer indicate that they have attained a standard *prima facie* involving an education equivalent in their own

country to that required for matriculation in England, may apply for examination under Statute 116 instead of entering for the ordinary Matriculation Examination. No candidate is allowed to appear a third time for the Examination, nor a second time, without the express permission of the Board of Examiners.

No foreign certificates are accepted as giving exemption from the Matriculation Examn., but the following are recognized provided the student passed at one and the same examn. in English, Maths., and three other of certain specified subjects, of which one must be Latin (Transvaal—Latin or Greek) or a Science: Adelaide Matriculation (Senior Public), Melbourne School Leaving, W. Australia School Leaving, Transvaal Secondary School Certificate. London also arranges for the holding of its own ordinary Matriculation Examn. in the Colonies and self-governing Dominions upon the application of the local Governments. As regards graduates, see p. 110.

The Examination under Statute 116 held in London, usually in March, May, Sept., and Dec., comprises four subjects, of which English and either Mathematics or Logic are compulsory. Any certificates that the candidate may present, or any examn. he may have passed, may be taken into account; but in every case he is required to undergo a *viva-voce* examn., and a sound elementary knowledge of English is necessary. The written portion of the examn. lasts one day. The fee is £5 : 5s. No syllabus is published. Applications should be addressed to the External Registrar.

The Northern (English) Universities Joint Board. Subject to Special Regulations for Entrance to particular Faculties, exemption from the Matriculation Examn. is granted to a student who holds the Secondary Education Certif. of the Egyptian Ministry of Education, or has passed the Interm. Examn. in Arts, Sc., or Med. of an approved Indian Univ., and may, at the discretion of the Board, be granted to "applicants holding certifs. of having passed examns. of a standard at least equal to" Oxford Responsions, Cambridge Previous, etc. The procedure at Liverpool is as follows: Applications, with references, from Foreign and Indian undergraduate students are receivable up to June 1, from Egyptian up to July 31. In respect of Indian and Egyptian undergraduate students the Students' Dept. of the High Commr. for India and the Egyptian Educational Mission are asked to certify as to the character, qualifications and suitability of applicants. Leeds receives applications from persons resident outside the United Kingdom up to June 30.

Durham. Foreign students may matriculate provided they satisfy a special Committee that they have passed in their own country an examn. of a standard deemed sufficient for matriculation, and that they have sufficient knowledge of English to profit by the proposed course of study. The Matricn. Examns. of the Univ. of Sydney and the Univs. of S. Africa are recognized as exempting from that of Durham.

Durham Colleges: Graduates of Univs. in the U.K. or of other approved Univs. are admitted without further examn. A candidate educated elsewhere than in Great Britain may matriculate if he has

passed examns. deemed by the Matricn. Board to be sufficient. Students in Codrington College, Barbados, and Fourah Bay College, Sierra Leone, may matriculate (and qualify for degrees) locally.

College of Medicine : Examns. qualifying for a degree in Arts of any Univ. of the British Empire are accepted, subject for subject, for exemption from the ordinary matricn. examn. Candidates from a British Colony who have passed an examn. which would admit them to a medical degree course in such Colony are accepted for matricn. if the examn. satisfies the requirements of the G.M.C. Candidates from India must have passed the Interm. Examn. of one of the recognized Indian Univs., and be registered on the books of the G.M.C.

Armstrong College : Foreign or Colonial students must have passed in their own country an examn. of English matriculation standard in the required subjects, and must have a sufficient knowledge of English to profit by the proposed course of study. In the case of Indian students no examn. lower than the Interm. of an Indian Univ. will be considered for this purpose.

Bristol. A candidate educated elsewhere than in the U.K. may submit to the Senate evidence of having passed examns. elsewhere equal to the Matriculation Examn. of any Univ. of the U.K., or to any of the other examns. which qualify for matriculation at Bristol; if from an oriental country, he may submit evidence of previous education in his own country and of ability to follow instruction given in English. The Senate may thereupon, if satisfied with the evidence, declare him eligible for matriculation.

Reading. Exemption is granted to candidates who have satisfied conditions for exemption from the London or the Northern (English) Univs. Joint Board's Matriculation examn.

Wales. Candidates who have qualified by examn. for a degree of an approved Univ. or College, or passed the Matriculation Examn. of the South African Univs. or of the Swiss Univs., or the secondary school certif. examn. of the Transvaal or Cape Province Education Department in the subjects required by the Univ. matricn. regulations, or, if certified by a Constituent College as possessing sufficient knowledge of English to profit by a degree scheme of study, the Intermediate Examn. in Arts or Science of an approved Indian Univ., may matriculate without further examn.

Scottish Universities. Candidates from the British Dominions or Colonies may be exempted from the Preliminary Examn. if they have passed examns. which would admit them to a course qualifying for graduation in Arts or Science in Univs. or Technical Colleges affiliated to a Univ. in the Dominion or Colony from which they come, provided their knowledge of English is sufficient to enable them to follow the courses of instruction with profit. Those whose native language is other than English are required to pass an examn., oral and written, including set books. Students from India are subject to the further condition that they have obtained a first class in an Intermediate Examn. in Arts or Science in a recognized Indian Univ., and have at some stage of their course passed in Maths. or Science and English.

Certificates which would entitle the holder to enter upon a regular course of study leading to a degree in Arts, Pure Science, or Medicine in any of the Univs. or Colleges approved by the Assocn. of American Univs. (see Appendix XXV.) are recognized for exemption from the Prelim. examn.

As regards students from foreign European countries, the B. ès L. and B. ès Sc. and similar " certifs. of Maturity or Grades, entitling the holder to enter upon a regular course of study in the Univs. of his own country," are accepted subject to the above-mentioned conditions as to knowledge of the English language. Certain Egyptian, Argentine and Chinese certifs. are also recognized. Provision is not made specifically for the acceptance of other foreign certifs., but the Board has a general dispensatory power in regard to applicants of not less than 21 years of age who satisfy it as to their fitness.

N.B.—In each Univ. the Senatus may for any particular class, attendance on which for a specified period is necessary in order to qualify for graduation, determine the conditions of admission to such qualifying attendance.

A Certificate submitted as proof of title to admission to Univs. abroad should be accompanied by an authenticated declaration by a Government Official or Official of an Agency-General, Embassy, Legation, or Consulate of the country to which the applicant belongs, testifying that it has the alleged value. If in a foreign language, certificates should be accompanied by certified English translations.

Belfast. Matriculated students of Univs. outside the British Isles may send written statements and certifs. which should, as a rule, cover all subjects required for matricn. in the Faculty concerned. When a certif. in any subject is not available, other evidence of proficiency may be furnished. The Matriculation Examn. of the Joint Matricn. Board of the Univs. of S. Africa and the Intermediate Examns. of certain Indian Univs. (Alig., All., Ben., Bom., Calc., Dacca, Delhi, Luck., Madras, Nagpur, Patna, Panjab, Rang.) are accepted as equivalent, subject for subject, to the Belfast Matricn. Examn. Entrants who are graduates of a British Univ. are not required to pass the Matricn. Examn.

Dublin admits students who have passed the Matricn. Examn. of any Univ. in S. Africa including English, Mathematics, Latin, and one other approved language. The Senior Lecturer is empowered to exempt from the Matriculation Examn. any student who has passed in the subjects required at matriculation at a public examn. which is, in his opinion, of equivalent standard. See, however, p. 324 regarding compulsory subjects in Arts course.

National University of Ireland. The Senior Public Examns. of Sydney, Melbourne, and Adelaide, the Jaffa Gymnasium Maturité, and the Matricn. Examns. of Sydney, Melbourne, and New Zealand, and of the Matricn. Board of S. Africa, are recognized as qualifying for exemption from the Matricn. Examn. The Matricn. Examns. of other Univs. in the British Empire overseas (excluding India) are recognized only in combination with an Intermediate Examn. in Arts or Science.

XXIV

INTER-UNIVERSITY SCHOLARSHIPS AND GRANTS FOR ADVANCED STUDY AND RESEARCH

Under the heading " SCHOLARSHIPS, ETC.," will be found in the sections of the Yearbook relating to the several Universities information regarding the extent to which they provide for the promotion of advanced Study and Research by the offer of Scholarships, Fellowships, etc., to their own graduate members. In this Appendix are given particulars of some other aids.

Agriculture and Fisheries, Ministry of, p. 693.
Agriculture, College of Estate Management Scholarship in, p. 613.
American University and College, p. 689.
Architecture, Engineering and Naval, p. 680.
Beit Memorial Fellowships, p. 679.
Blair Fellowships, p. 677.
Board of Education Funds, p. 677.
Bradford Chamber of Commerce, p. 687.
British Academy, p. 682.
British Association, p. 683.
British Empire Exhibition, p. 688.
British School, Athens, p. 683.
,, Rome, p. 683.
Cancer Research Fund, p. 685.
Central Bureau Loan Fund, p. 688.
City of London Vacation Course, p. 688.
Cotton-Growing Corporation's, p. 685.
Daughters of the Empire, Imperial Order, p. 687.
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Federations of University Women, p. 692.
Foreign Languages Scholarships, p. 686
Free passages to Australia and New Zealand, p. 688.
French University, p. 692.
Gilchrist Educational Trust, p. 680.
Govt. grants for scientific and industrial research, p. 692.
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Johnston Chemical Scholarship, p. 687.
Kahn Travelling Fellowships, p. 684.
Kitchener Scholarships, p. 687.
Lancs. County for students in industry, p. 677.
London Chamber of Commerce, p. 683.

Marine Biological Association, p. 683.
Medical Research Council, p. 695.
Ramsay Memorial Fellowships, p. 684.
Research :
Overseas Dominions, p. 695.
Canada, Australia, and Africa, p. 696.
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Salters' Institute, p. 686.
Stapley Educational Trust, p. 681.
University and College Funds, p. 673.
Watson Professorship, p. 689.
Zoological Society, p. 684.

For *Rhodes Scholarships and Fellowship*, v. pp. 219, 220 ; for *Carnegie Trust* for the Univs. of Scotland, p. 277.

FUNDS ADMINISTERED BY UNIVERSITIES AND COLLEGES

BIRMINGHAM : *Bowen Scholarships in Chemistry* (3), *Metallurgy* (1), *and Engineering* (2), £95 each. Open to candidates who have spent 3 yrs. in a Univ., preferably Birmingham.

CAMBRIDGE : *Almeric Paget Studentship*, £150, for Polit. Sc., Economics, etc., open to graduates of any Univ., or those about to graduate. Election after examn. (English Essay and questions on Polit. Hist. and Econ.). Applications, with 3 testimonials, evidence as to graduation and signed statement of age and proposed course of study, receivable up to July. Student to come into residence at Corpus Christi Coll. for the academic year succeeding election.

F. W. Maitland Memorial Fund. 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.

Whewell Scholarships in International Law, one of £100 and one of £50, open to all persons whether already members of the Univ. or not who are under 25, tenable for 2 yrs. in the Univ.

J. L. Walker Studentship in Pathological research, £300 p.a. for 3 yrs. Candidate need not necessarily be a member of the Univ. Next award, 1929.

Balfour Studentship in Biological research, especially in Animal Morphology, £300 p.a. for 3 yrs. ; student need not be a member of the Univ., but must study in it for at least 3 terms.

Hort Memorial Fund, £65 p.a., for grants to persons engaged in Biblical, Hellenistic, or Patristic research, or undertaking connected therewith.

Gordon Wigan Fund, £300 p.a., for scientific educn. or research.

Worts Fund for investigations in foreign countries respecting religion, laws, etc., or geographical discovery or antiquarian research therein.

Clare College Research Studentships, £125 p.a., not more than two at a time; graduate members of any Univ. may be elected, but preference to members of the College.

Emmanuel College Research Studentship. Value £150 p.a., tenable for 2 yrs. Open to a graduate or other qualified student, not less than 21 yrs. of age, from another Univ. beginning Research at Cambridge (v. p. 62). Applications should reach the Master not later than July 31, and should be supported by two certificates of character, brief account of career, with names of professors or teachers under whom applicant studied, precise statement of proposed course of research, and any evidence of general ability and of special fitness for proposed research. A studentship of the same value is open to graduates of the College.

Rooms in the College are reserved for the Lionel de J. Harvard Memorial student nominated by the President of Harvard Univ.

Pembroke College Gabriel Stokes Studentship for research in Physics, about £425 p.a. for 3 yrs. Open to graduates (preferably of Cambridge) of from 23 to 28 yrs. of age. Next award, 1929 or later.

Peterhouse Research Studentship (Abercrombie Smith), £150 p.a. for 2 yrs. Open to graduates of any British or Foreign Univ. intending to proceed to Ph.D. degree. Applications receivable by Tutor up to July.

Trinity College Research Studentship and Dominion and Colonial Exhibitions. A Studentship of value (dependent on the student's pecuniary circumstances) not exceeding £200 p.a., tenable during preparation for the Ph.D. degree in the Univ. of Cambridge. Open to men who have graduated or are otherwise qualified, provided that they have not commenced residence in the Univ. of Cambridge. Tenure is conditional on entry as Research student (for conditions, see p. 62) 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, should reach the Senr. Tutor not later than July 25.

The *Exhibitions* for students residing in the Dominions and Colonies, annual value of £40, which may be increased by remission of College fees to £72 in cases of special need, are tenable for 2 yrs. and possibly for 3. Candidates must apply through the principal authority of the Univ. to which they belong. The Univ. authorities, if they think fit to forward an application, the candidate being in their opinion of marked ability and one of whom it may be confidently expected that he will profit by a further period of Univ. study, will send with it certificates of birth and character, record of scholastic career, etc.

Girton College Research Fellowships.—1. *Science.* £300 p.a. for 3 yrs. (renewable up to 6 yrs.) for research in Math., Physical and Nat. Sciences. 2. *Arts* (Pfeiffer Fellowship). Tenable for 3 yrs. (renewable up to 6 yrs.) for research in Language and Lit., Moral and Polit. Sc., or History. Open to women who are graduates or have taken Honours in a final degree examn. of any Univ., and members of the Girton College Roll. 3. *First Girton*, £300 p.a.

LEEDS: *Gas Research Fellowship*, £200; J. E. Ackroyd Fellowship, £150 for research in a subject bearing on Textiles. LIVERPOOL: *Garrett International, Johnston Colonial, Lloyd's Register*—v. p. 102.

LONDON: *Dixon Fund for assisting Scientific Investigations.* Income available for grants—about £275. Applications receivable by the Principal between April 1 and May 15. Full information required as to nature and objects of research proposed, estimated amount required for it (detailed estimate to be given), any previous grant received for same object, what apparatus of permanent value will be needed. Names of two referees to be given. Instruments, specimens, etc., purchased out of grants to be returned to the Univ. Published results of researches to refer to the Fund, and 25 copies to 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.

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 College in which he has conducted his studies in Pathology. The Scholar is required to undertake teaching as well as research work.

Keddey Fletcher-Warr Studentships for Post-Graduation Research in Science. Value £200 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.

Rogers Prize, £100, offered from time to time, for an Essay on a *Medical* or *Surgical* subject, named and appointed by the Univ. Open to all whose names appear on the Medical Register of the U.K.

Journalism Exhibitions. £100 p.a. for 2 yrs. Seven offered in 1926.

Lindley Studentship. £120 for work at the Institute of Historical Research. Preference to graduates of Univ. of London or candidates for a higher degree of the Univ. Awarded every third year. Last award in 1925.

Meyer Studentships in History and Geography of India. Endowment, £3000, tenable at Univ. College by graduates of Univs. of the British Empire studying for approved higher degrees in the Univ. of London.

Imperial College. Plimmer Fellowship in Pathology, £300. Candidates must be of British nationality.

London School of Economics. Research Studentship, open to graduates of any Univ., £200. Metcalfe studentship, £60, open to any *woman* graduate of any Univ. of the United Kingdom. Women's studentship, £150, open to women students for research in Economic History.

Bedford College for Women. £150 for women graduate students of Sociology.

Westfield College (for women). Two research studentships open to graduates of any Univ. Value, £30 and £50 respectively, *plus* free board and lodging at the College (see p. 157). Applications, receivable in the Lent Term for studentship for the ensuing academic year, should be accompanied by 3 copies of 3 testimonials and names of 2 references.

College of Estate Management, 35 Lincoln's Inn Fields, W.C.2. Travelling scholarship (annual) for studying agricultural methods in Europe, £300 or less. Open to British-born graduates of a British Univ. under 30.

MANCHESTER: *Chemistry, Economics, Engineering, etc.*, v. p. 193.

MANCHESTER: MUNICIPAL COLLEGE OF TECHNOLOGY. Research Scholarships (10) in Technology, £100 each, open to graduates of any Univ. in the British Empire and other persons possessing special qualifications.

OXFORD: *Philip Walker Studentship for Research in Pathology.* £200 p.a. for from 1 to 5 yrs., not restricted to members of the Univ., open to women as well as men.

Weldon Memorial Prize (endowment, £1000), awarded once in 3 years, for contribution in 6 preceding years to *Biometric Science.*

Somerville College. Mary Somerville Research Fellowship, £250 for 3 yrs.; last award 1925. *Lady Carlisle R.F.,* £250 for 5 yrs.; last award 1919, extended for 3 yrs.

Lady Margaret Hall. Susette Taylor Fellowship for independent study abroad.

WALES. *Aberystwyth University College.* Scholarship open to students of the Univ. of *Paris.*

ROYAL COLLEGE OF PHYSICIANS, London: *Streatfeild Scholarship,* £250 for 3 yrs. for research in Medicine or Surgery.

SCOTTISH UNIVS., v. p. 276.

GLASGOW: *Stevenson Citizenship Fund,* £20,000, established 1921 to provide for instruction, study, inquiry, and research, and thereby to emphasize the compatibility of civic or local with national patriotism and of both with full and free international co-operation. V. p. 301 (Univ. Extension).

BELFAST: *Musgrave Research Studentships,* £200 each, open to British subjects, graduates of at least one year's standing in a Univ. of the British Empire, for research in *Pathology, Biology, Chemistry, Physics, Physiology.* Latest date for applications (10 copies and not more than 2 testimonials as to fitness for research)—July 1.

BRITISH COLUMBIA. Three scholarships of $1200, each tenable for 5 years at French Univs., were presented in 1924 by the Lieut.-Govr. of the Province.

MCGILL: v. p. 381. QUEEN'S: v. p. 409. TORONTO: v. p. 428.

FUNDS ADMINISTERED BY THE BOARD OF EDUCATION

Whitworth Scholarships. Six of £125 p.a. for 3 yrs. and two of £250 for 2 yrs.; open to British subjects under 22 and 26 years of age, who have been engaged in handicraft in a mech. engineering workshop for at least 30 months; awarded on result of examn. held in May. Applications receivable up to Feb. 1. Regulations with syllabus obtainable (2d.) from H.M. Stationery Office, Kingsway, London.

Science Scholarships tenable at Imperial College of Science. Examn. in April-May, open to British subjects. Number, value, and tenure vary. In 1926 twenty "Royal Scholarships" carrying maintenance not exceeding £80 p.a. and free tuition, and 8 free studentships were awarded. The examn. includes drawing and 5 alternative groups of other subjects: (*a*) Engineering, (*b*) Physics, (*c*) Chemistry, (*d*) Biology, (*e*) Geology. The number of competitors and the number of awards in each group were: (*a*) 75, 10; (*b*) 57, 7; (*c*) 49, 8; (*d*) 5, 1; (*e*) 8, 2. Syllabus obtainable (6d.) from H.M. Stationery Office, Kingsway, London.

State Scholarships, v. p. 8.

ROBERT BLAIR FELLOWSHIPS IN APPLIED SCIENCE AND TECHNOLOGY

Two awarded annually for advanced study or research in the Dominions, U.S.A., or other foreign countries. £450 each. Open to British subjects at least 21 yrs. of age. Preference to students of Engineering Science, and to those who have completed a course of study in London Institutions or been identified with the London teaching service. Applications receivable by the Education Officer, County Hall, London, S.E.1, up to June 30.

SCHOLARSHIPS FOR ADULT STUDENTS ENGAGED IN INDUSTRY

The Education Committee of the Lancashire County Council in 1927 offer Scholarships (1 or 2) of value probably not less than £100 p.a. for encouraging non-vocational education among adult students fully engaged in industry. Age limits, 22 and 40. Evidence required of having devoted leisure time to study in a Univ. Tutorial class or in other ways. The Scholarships will be tenable for a year and renewable for a year or two more. The Scholar will ordinarily be required to devote his whole time to study in a Univ. or other approved institution. Entry forms obtainable from the Director of Educn., County Offices, Preston.

SCHOLARSHIPS AWARDED BY THE ROYAL COMMISSION FOR THE EXHIBITION OF 1851

I. *Science Research Scholarships offered to Overseas Universities*, to enable selected students who have already completed a full University

course and given sufficient evidence of capacity for scientific investigations to devote themselves for 2 years to research work under conditions most likely to equip them for practical service in the scientific life of the Empire. Value, £250 p.a., with supplements in certain cases, tenable ordinarily for 2 yrs., renewable in exceptional cases for a third year, at any institution approved by the Commrs., but not, except in very special circumstances, in the Dominion in which the scholar has received his scientific education; open to British subjects of age (except in very special circumstances) under 26 yrs. At present not less than 8 (Canada 3, Australia 2, S. Africa, N.Z., and Irish Free State, 1 each) are offered annually; recommendations receivable (South Africa, Irish Free State, May 1) (Australia, N.Z., and Canada, June 1) from the following Univs.: Alb., B.C., Dal., McG., Manit., Queen's (Ont.), Sask., Tor., and any of the Univs. of Australia, N.Z., S. Africa, and the Irish Free State. 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. Recipients in 1926: R. C. Robb (Dalhousie), F. H. Yorston (McGill), H. M. Cave (Queen's, Ont.), J. R. Vickery (Melb.), F. P. Bowden (Tasmania), E. R. Rouse (Witw.), R. R. Nimmo (N.Z.).

II. *Senior Studentships*, at present 5 in number, each of £400 p.a. with supplements in certain cases, for 2 yrs. or, in special cases, for longer; open to British subjects of age not (except in very special circumstances) more than 30 yrs., on recommendation, receivable up to May 1, by Profs. and Heads of Depts. through the executive authorities of such Institutions as may be invited by the Commrs. to nominate; tenable at any Institn. at home or abroad approved by the Commrs. The Student is not permitted to undertake any work likely to conflict with the devotion of his whole time to the objects of the studentship, but a limited amount of time may, with the approval of the Commrs., be spent in delivering an advanced course of lectures. He is not debarred from holding another position of emolument, but in such cases the Commrs. may modify the value of the studentship. Recipients in 1926: A. J. Bradley (Crystallography), Manc.; H. J. Emeléus (Inorg. Chem.), Imp. Coll.; R. G. J. Fraser (Phys. and Chem.), Aberd.; C. W. Shappee (Org. Chem.), Leeds; W. L. Webster (Phys.), Camb.

III. *Post-graduation Scholarship in Naval Architecture.* £250 p.a. for 2 yrs. for research work (for which no emolument will be receivable) in problems connected with design and construction of ships and their machinery and in the development of the shipbuilding industry at home and abroad. Open to British subjects under 30 who have passed with marked distinction through a course of study and practical training in N.A. at, and been nominated by, the R.N. College, Greenwich, Univ. of Glas. or Liv., or Armstrong College. The nominations are reported on by the Council of the Inst. N.A. Recipient in 1926: F. H. Todd (Armstrong College).

IV. *Industrial Bursaries* of not more than £150 p.a. for 1, 2, or, exceptionally, 3 yrs. to cover the period between leaving College and

obtaining sufficiently remunerative employment in Industry. Open to British subjects under 25 recommended from one of the Univs. of Gt. Britain, including the Imperial Coll. of Sc. and Tech., Heriot-Watt Coll., or Univ. Coll., Nottingham. A candidate must have been a *bona fide* student of Science for a term of 3 yrs., should give evidence of practical ability likely to lead to his advancement in industrial work, and show that he has obtained, or can within a reasonable period obtain, an industrial post to be approved by the Commrs., and is in need of pecuniary assistance to enable him to hold such a post. Twenty bursaries awarded in 1926.

V. *Rome Scholarship in Architecture*, £250 p.a. for 2 or 3 yrs. Open to British subjects under 30 by competition conducted by the Faculty of Arch. of the School at Rome. A Student or Associate of the R.I.B.A. who is placed next in order of merit to the winner will be recommended for the Jarvis Studentship of £250 p.a. for 2 years.

Rome Scholarships in Sculpture and in Decorative Painting, £250 p.a., tenable for 2 or 3 yrs. at the British School at Rome. Open to British subjects under 30 and 27 respectively by competition conducted by the Faculties concerned. The Faculty of *Engraving* administers a Scholp. of the same value. Recipients in 1926 : Archit., A. D. Connell (London Univ. Atelier) ; Sculpture, not awarded ; Painting, Glyn O. Jones (Slade) ; Engraving, E. B. Hoyton (Goldsmiths' Coll.).

General. Women are eligible for all the Scholps. except III. and IV. Address of the Secy. to the Commrs., 1 Lowther Gardens, Exhibition Rd., London, S.W.7. Entries for the Rome Scholps. are receivable up to October 15 (Architecture), December 31 (Ptg., Sculp., and Engraving) by the Hon. General Secy., British School at Rome (same address).

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, of pure European descent, in any Faculty of a British Univ. Six Junior Fellowships, each more or less of £350 p.a. and usually tenable for 3 yrs., are awarded in July. An extension to a fourth year at £400 is sometimes granted. Notice of each election is published 3 mos. in advance. Applications are considered by an Advisory Board. Senior Fellowships of £600 p.a. tenable for 3 yrs. may also be awarded to persons who have already held Junior Fellowships. A Fellowship for Research in *Tropical Medicine*, value £1000 p.a. for 5 years, will be awarded in March 1927. Special grants have been made from time to time for, or in aid of, particular objects of research. *Address* of Hon. Sec. to the Trust—Sir James K. Fowler, K.C.V.O., C.M.G., 35 Clarges St., Piccadilly, London, W.1.

BEIT FELLOWSHIPS FOR SCIENTIFIC RESEARCH

Founded by Sir Otto Beit, Bart., K.C.M.G., F.R.S., in 1913 for advancement of Science by means of research. At present £250 p.a. for 2 yrs. subject to report at end of first year. Tenable at Imperial College of Sc. and Tech., London, under supervision of a Prof. Fellows are required to devote their whole time to their research and to hold no appointment, paid or unpaid, without sanction of the Trustees. Open to men or women under 25, of European descent by both parents, who have taken a degree in any Univ. in the British Empire, or Diploma or Associateship of any College approved by the Trustees. Not open to holders of any other Scholarship or Fellowship. Elections, advertised 3 mos. in advance, are made annually in July. Applications should give full information as to qualifications, previous career, general character of proposed research, whether applicant has private means sufficient to carry on the research for 2 yrs. without aid of Fellowship, names of not more than 3 referees, including one on the staff of the Univ. or College or a College 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. Inquiries may be addressed to the Rector of the Imperial College. Fellows for 1926–27 : R. Kingslake of R.C.Sc., J. Topping, J. W. Maccoll, G. H. Mitchell.

GILCHRIST EDUCATIONAL TRUST

Most of the Scholarships, etc., awarded by the Trust are for students of particular institutions. The following are not so restricted :

Scholarships in *Turkish* (1) and *Chinese* (1). £50 tenable at the School of Oriental Studies, London, or, in the case of a student of the School of 1 yr.'s standing, in an Oriental country. Open to candidates of European origin. Awarded on results of an examn. held in July in Grammar, 2 set books, and unseen translation. Applications (in a prescribed form) receivable by the Director of the School up to May 15.

Several Scholarships of £30 tenable for 1 yr. in a *Training College for Women*. Open to graduates of a British or other recognized Univ.

Studentship tenable at the *British School at Rome*, £75 for 1 yr. At least 5 months to be spent in Rome. Open to men and women under 25 for a definite course of study for which Rome offers advantages and calculated to assist them in their profession. Applications with statement of previous training and proposed course, copies of not more than 3 recent testimonials based on personal acquaintance with candidate and his work, and any references, should reach the Secy. of the School, 19 Bloomsbury Sq., London, W.C.1, by July 31st.

Scholarship in *Economics and Home Science*. £50 tenable for 1 yr. at King's College for Women, London. Open to graduates of any approved Univ. or students who have successfully completed the 3 yrs.' course in these subjects. Evidence required of knowledge of not less than 2 of the following : Bact., Biol., Chem., Economics, Physics and

Hygiene, Physiol., Psychol. Applications with account of educational career and not more than 3 recommendations should reach the Warden by May 20.

Studentship in *Geography*. £80 (in special cases, £100) for a definite course of advanced work extending in general over 9 mos., to be approved by the Trustees. No other work to be undertaken without written consent of the Trustees during the tenure of the Studentship. Open to Teachers of either sex who have had experience in teaching Geog. Applications, stating age, career, training in Geog., experience in teaching Geog., proposed work, time to be devoted to it, name of Headmaster, etc., to whom reference can be made, to reach Prof. Lyde, University College, Gower Street, London, W.C.1, by Feb. 1. The student is required to sign a declaration of intention to continue to be a teacher of Geog. for 2 yrs. after expiry of the Studentship.

Address of the Secy. to the Trustees : 1 Plowden Buildings, Temple, London, E.C.4.

SIR RICHARD STAPLEY EDUCATIONAL TRUST

Constituted in 1919, to administer a fund to assist educational progress by subsidizing necessitous students, promoting educational experiment and research, etc. In five years it has assisted between 600 and 700 students at universities. In 1924 the Trust published a report on the scholarship system with special reference to grants by Local Education Authorities entitled "The Poor Student and the Universities." Bursar, Percy Alden, M.A. *Address*—33 Bloomsbury Sq., W.C.1.

FUNDS ADMINISTERED BY THE ROYAL SOCIETY

Foulerton Research Fund. (*a*) Research Professorship, with stipend £1400-£1500 p.a. *Duties* : To conduct, in a place approved by the President and Council of the R.S., such original researches in medicine or the contributory sciences, on lines approved of by the President and Council, as shall be calculated to promote the discovery of the causes of disease and the relief of human suffering. The Prof. shall devote the whole of his time to research. Tenable for 5 years in the first instance, the appointment being thereafter renewable for further periods of not more than 5 years at a time. (*b*) Research Studentship of £700 p.a., restricted to British subjects. *Duties* : To conduct researches in medicine or the contributory sciences, under the supervision and control of the Foulerton Committee, to whom the student will be required to report from time to time on the progress of his work. Tenable for 3 years and renewable from year to year, with a maximal total tenure of 6 years from the first award. Incumbents : (*a*) Prof. E. H. Starling, Prof. A. V. Hill ; (*b*) Dr. H. W. C. Vines.

Yarrow Research Professorships for research (whole-time) in Math., Physical, Chem., or Engineering Sciences. Value, £1000-£1400 p.a. Tenable at a University or other place to be approved by the President

and Council of the Royal Society for a period of 5 years, the appointments being renewable for further successive periods of 5 years. Incumbents : Prof. A. Fowler, Prof. G. I. Taylor, and Prof. O. W. Richardson.

Mackinnon and Moseley Research Studentships. Each of the value of £300 p.a. Tenable in the first instance for 2 years, but renewable in exceptional cases from year to year, total length of tenure not to exceed 5 years. *Mackinnon Studentship* for "furthering Nat. and Physical Sc., including Geol. and Astron., and . . . original research and investigation in Path." *Moseley Studentship* for "the furtherance of experimental research in Path., Physics, and Chem., or other branches of science, but not in Pure Maths., Astron., or any branch of science which aims merely at describing, cataloguing, or systematizing." Incumbents : M. G. L. Perkins and W. H. George.

Sorby Research Fund for original Scientific research. The income, about £600, is devoted to maintaining a Fellowship 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. The last appointment, 1921 : N. K. Adam, M.A.

For all the above appointments applications are invited by public advertisement.

Scientific Relief Fund (income about £700 p.a.) to aid scientific men or their families requiring assistance.

Minor Funds : Tyndall Mining Research, income about £40 p.a., for a studentship ; Gunning, about £35 p.a. ; Joule, about £70 p.a. ; Lawrence, about £170 p.a., for research in Diseases in man and animals.

Government Grants for Scientific Investigations. The conditions are notified annually in time for applications to be received by March 31. Only British subjects are eligible. Appropriations in 1926 numbered 140, the amounts ranging between £10 and £370.

Medals. Copley, for Philosophical research (any country) ; Rumford (biennial), for useful discovery in Light or Heat, in any part of Europe ; Royal (2), for advancement of Natural Knowledge ; Davy, 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. The 4 last are open to foreigners as well as to British subjects.

Address of the Society—Burlington House, Piccadilly, London, W.1.

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. *Address*—Prof. Sir I. Gollancz, King's College, Strand, London, W.C.2.

Cromer Greek Prize, £40. Open to British subjects under 26. Address—The Secretary of the British Academy, Burlington House, Piccadilly, London, W.1.

BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

Research Committees of the Association conduct researches and prepare reports. Committees of the Sections consider *inter alia* the financing of proposed researches by such Research Committees. The Association administers for this purpose a fund, providing an income of about £350 annually, given by the late Sir James Caird of Dundee in 1912; any surplus from subscriptions in excess of administrative expenses are also devoted to research. The Association welcomes the attendance of University students at its annual meetings, and has a special class of " student membership " at reduced fees for duly qualified persons. . *Address*—Burlington House, Piccadilly, London, W.1.

BRITISH SCHOOL AT ROME STUDENTSHIPS

In addition to the scholarships mentioned above on pp. 679 and 680 a Studentship (Bernard Webb) worth not less than £250, tenable for one year, is offered for the encouragement of the historical and critical study of Architecture; open to students not over 32 years of age who have been members of the Archit. Assocn. for 4 years. The Pelham Studentship in Archæology (£100), awarded by the Univ. of Oxford, is open only to members of that Univ.

BRITISH SCHOOL AT ATHENS STUDENTSHIP

A studentship of value £100 tenable for one year is placed at the disposal of the Univs. of Oxford and Cambridge alternately. All students admitted to the School are expected to spend at least 3 months in Greece and to be engaged on some research work. They can, on payment of a small rent, reside in the School *Hostel*, and are admitted to use of the library. They also obtain special facilities for working in Museums and in travelling. Students of the British School at Rome are *ipso facto* admitted as students at Athens. *Address* of the Secy., 50 Bedford Sq., London, W.C.1.

MARINE BIOLOGICAL ASSOCIATION

A number of research tables at the Plymouth Laboratory are provided free of cost on the nomination of Governors (among others the Univs. of Oxford and Cambridge) and Founders of the Marine Biological Assocn. of the United Kingdom. The Ray Lankester Fund provides for the payment of £100 to an Investigator to be appointed from time to time by the trustees on condition of his spending at least 5 months in carrying on researches at the Laboratory. For full particulars application should be made to the Director of the Laboratory, Citadel Hill, Plymouth.

ZOOLOGICAL SOCIETY'S RESEARCH FELLOWSHIPS

One (Milner) in Comparative Pathology, value £800 p.a., awarded in conjunction with the London School of Hygiene and Trop. Med. Fellow in 1925, Dr. H. H. Scott of the London School. One of £350 (Aquarium Research) awarded in 1925 to Dr. F. P. Stowell of the Univ. of Liverpool.

RAMSAY MEMORIAL FELLOWSHIPS

The Trustees (Chairman, Sir Hugh Bell, Bt. ; Secy., Dr. Walter W. Seton, University College, Gower St., London, W.C.) award from time to time 3 Fellowships, value £300 a yr. for 2 yrs., for Chemical research. They can be held in any Univ. or other place in the U.K. possessed of the requisite facilities for research ; also in exceptional circumstances in other parts of the British Empire, and, by special permission of the Trustees, elsewhere. One is limited to candidates nominated by the Univ. and the Royal Technical College, Glasgow. Fellowships are also provided in connexion with the undermentioned Dominion and Foreign countries. The value is normally £300 a year, but some of the fellowships are of greater value. Fellows for 1926–27 : British—G. A. Elliott, B.Sc. ; R. F. Hunter, M.Sc., Ph.D. ; T. C. Mitchell, B.Sc. ; J. D. Fulton, M.A., B.Sc. (Glasgow). Canadian—D. M. Morrison, M.Sc., Ph.D. Danish—T. A. Thomsen. Dutch—Dr. W. G. Burgers. Greek—Dr. N. Economopoulos. Italian—Dr. P. Misciattelli. Japanese—Dr. Takagi. Spanish—F. Calver. Swedish—E. G. Rudberg, Phil.Lic. ; G. Hägg. Swiss—Dr. Max Brunner.

ALBERT KAHN TRAVELLING FELLOWSHIPS

Founded by M. Albert Kahn of Paris " to enable men of proved intellectual attainments to enjoy during one yr. or more sufficient leisure and freedom from all professional pursuits or pre-occupations to enter into personal contact with men and countries they might otherwise never have known ; to issue from the world of books and their narrow sphere of habitual interests into the broader world of various civilizations, and all such human interests, struggles, and endeavours as go to the making of general civilization." Value £660 (namely, £600 for travelling expenses and £60 for books and souvenirs), temporarily increased to £1000. Open to British subjects, men or women, who have graduated, or qualified for graduation, at a Univ. in the U.K. No age limit is imposed, but preference will probably be given, other things being equal, to persons between 25 and 35. Elections are made not later than May 31 each yr. on nominations made by any of the Vice-Chancellors of the Univs. in the U.K., or the President of the Royal Society, or the President of the British Academy. *Address* of the Secy. to the Trustees (F. J. Port, LL.B.), University of London, South Kensington, S.W.7. Fellow for 1926–27 : James Dickinson, M.A. Ox., nominated by the V.-C. of the Univ. of Durham.

EMPIRE COTTON GROWING CORPORATION'S POST-GRADUATION STUDENTSHIPS

In 1926 seventeen were awarded to provide opportunity to men of British nationality, either for additional training in research methods in, or for advanced study of, plant physiology, genetics, mycology, entomology, etc. Value £250 each, in addition to tuition fees in the case of those holding their studentships at the Imperial College of Tropical Agriculture, Trinidad, with additional allowances for books and travelling expenses. A limited number of studentships for graduates will be offered in 1927.

CANCER AND OTHER DISEASES

The *Imperial Cancer Research Fund* (capital £148,000), which is under the direction of the R.C.P. London and the R.C.S. England, has research laboratories and publishes reports of researches. Lord Atholstan has promised the sum of £20,000 in 10 instalments for special researches to be carried out by it. An anonymous donor has founded an "Alice Memorial Fellowship" for Cancer Research amounting to £500 per annum, under the auspices of the Fund. *Address*—8-11 Queen Square, London, W.C.1.

The British Empire Cancer Campaign was founded in May 1923 to co-ordinate and support research on cancer throughout the Empire. The governing body includes representatives from the Imperial Cancer Research Fund and from each of the principal hospitals with cancer research departments. Chairman, Viscount Cave, G.C.M.G. The Scientific and Advisory Committee of the Campaign is set up jointly with the Royal Society and the Medical Research Council of the Privy Council and the Campaign, and the Radiology Committee of the Medical Research Council, augmented by representatives of the British Empire Cancer Campaign, acts jointly for both bodies. *Address*—Sir Richard Garton, G.B.E., Hon. Secy., 19 Berkeley St., London, W.1.

A *Yorkshire Cancer Campaign* aims at founding a Research Institute in alliance with Leeds Univ.

GROCERS' COMPANY'S SCHOLARSHIPS

Three, £300 each, for 1 yr., renewable for 1 or 2 yrs., for inquiry into Causation of Prevalent Disease or as to means of Prevention of Premature Death. Cost of apparatus, etc., will be defrayed up to £300 in any one year. No other scholarship to be held or remunerative employment undertaken without sanction. Open to British subjects under 35. Applications in prescribed form receivable before April 1 by the Clerk, Grocers' Hall, Princes Street, London, E.C.2. Held by G. H. Percival, M.B. of Edinburgh, and N. S. Goldsworthy of Cambridge. One vacant.

ENGINEERING AND NAVAL ARCHITECTURE

THE INSTITUTION OF NAVAL ARCHITECTS, 5 Adelphi Terrace, London, W.C.2, offered for 1926 scholarships tenable 4 years at Glasgow Univ., 3 years at Armstrong College, Liverpool Univ., R.N. College, and City and Guilds (Engineering) College, London. In Naval Architecture, one of the value of £150 p.a.; in Marine Engineering, one of value £100 p.a. Open to British apprentices or students. Also one in Marine Engineering, of the value of £75 p.a., open to Public School or Secondary School boys under 19 (British subjects) who have not begun their apprenticeship. Two Post-graduation Scholarships in Naval Architecture; candidates to be nominated by above Univs., each for two years, one of £250 p.a. and the other (a part-time scholarship in N.A. or Marine Engineering) £150 p.a.

NORTON AND GREGORY LD., 1 and 2 Castle Lane, Westminster, London, S.W.1, offer scholarships in Engineering, one of £100 p.a. and one of £50 p.a., tenable for 3 years at any Univ. in the U.K. or British Dominions. Open to candidates domiciled in U.K. aged 17-19. Applications receivable up to Jan. 30. [In abeyance.]

The BRITISH ELECTRICAL AND ALLIED MANUFACTURERS' ASSOCN., 36 Kingsway, London, W.C.2, has granted scholarships in Engineering of £100 *plus* college fees to apprentices or students of British birth. The scheme is under revision.

The INSTITUTION OF MINING ENGINEERS award a "Mavor and Coulson" travelling graduate scholarship of £300.

JOHNSTON CHEMICAL SCHOLARSHIP AND PRIZE

Value £150 for 1 yr., awarded on the results of an examn. in Chem. with Crystallography or Mineralogy, and tenable at Armstrong College, involving at least 24 hours per week throughout the session. Open to B.Sc. of any British Univ. of not more than 3 yrs.' standing from graduation. Evidence of previous training and ability to conduct an original Chem. investigation is required.

SALTERS' INSTITUTE OF INDUSTRIAL CHEMISTRY

Fellowships are offered to chemists of post-graduate standing to enable them to undergo a special further training for careers in chemical industry. The value of a Fellowship is normally from £250 to £300, but the Institute is prepared to consider applications which might justify the award of Fellowships of higher value. The Fellowships are tenable either in this country or abroad, and the course of training to be followed is decided in each case to suit the individual requirements of the Fellow. Applications are received in May, the exact date being advertised. Further particulars may be had from the Director of the Institute, Salters' Hall, St. Swithin's Lane, London, E.C.4.

LONDON CHAMBER OF COMMERCE FOREIGN LANGUAGES SCHOLARSHIPS

From the Charles R. E. Bell Fund two scholarships, value £150 each, will be awarded in 1927 and 1928 for continuous residence and language study for not less than 6 months in a foreign European country. Open to approved natural-born British male subjects between 16 and 23. Candidates must pass with credit in the Chamber's Senior examn. in English as well as in the foreign language. Commercial Education Dept. of the L.Ch.C., Oxford Court, Cannon St., London, E.C.4.

BRADFORD CHAMBER OF COMMERCE FOREIGN LANGUAGES SCHOLARSHIPS

Endowment, £40,000, established Dec. 1924, for making grants for maintenance of British-born students (preferably Yorkshiremen) in foreign countries with the view of promoting commerce between England and such foreign countries. Grants are for 6 months' residence, and may be renewed up to 18 months. Holders will be expected to be affiliated to business firms of good standing in the countries they go to. Preference to persons intending to study Spanish or Russian. Application forms (price 1s.) obtainable from the Secretary to the Chamber.

KITCHENER SCHOLARSHIPS

For Study and Training. Maximum value in any year £200 for maintenance *plus* tuition fees and, in case of study abroad, approved travelling expenses. Maximum period, 6 yrs.; minimum age, 17. Open to sons of officers and men of H.M. Forces—as a rule, sons of deceased officers and men. Value and length of tenure will in each case be such as to enable successful candidates to undertake a complete course of advanced education at any Univ. or other approved institution. Scholarships are offered annually in Jan., conditions being advertised about the middle of the month. The number awarded in 1926 was 87.

Application for full information should be made to the Secy., Lord Kitchener National Memorial Fund, 34 Norfolk St., Strand, London, W.C.2.

IMPERIAL ORDER DAUGHTERS OF THE EMPIRE SCHOLARSHIPS

Undergraduate, 36, held in Canadian Univs. by sons and daughters of deceased or totally disabled soldiers and sailors. Graduate, 5, held at Oxford, Cambridge, and London in 1925–26. To be increased to 9, one for each Province, in 1927–28. *Address* of the Order—Dominion Bank Chambers, 238 Bloor Street East, Toronto.

SCHOLARSHIPS OF THE FELLOWSHIP OF THE BRITISH EMPIRE EXHIBITION

The Fellowship is an unincorporated body formed originally to help the Exhibition. At the close of the Exhibition, with the approval of its President, H.R.H. the Prince of Wales, the Fellowship decided to remain in existence and work for Empire trade and the better distribution of the Empire's white population. Owing chiefly to the fact that its administration was carried on by unpaid volunteer workers, it was able to save from its revenue for a Scholarship Fund a sum of nearly £10,000, which has been largely increased by grants-in-aid from various sources. The Scholarship Trust of the Fellowship decided to devote a proportion of the Fund to granting sums to the Overseas Dominions to help to send research scholars to the Mother Country. Three of these Scholarships have been already taken up by Canada, New Zealand, and India. Grants were also made from the Scholarship Fund for various educational purposes. Thus a sum of £500 was devoted to the Imperial College of Tropical Agriculture, West Indies, and was used to equip its laboratories with microscopes.

CENTRAL BUREAU LOAN FUND

The CENTRAL EMPLOYMENT BUREAU FOR WOMEN AND STUDENTS' CAREERS ASSOCIATION (incorporated), 54 Russell Square, London, W.C.1, has established a loan fund to help educated women who are without the means of training for professional work. No interest is charged. For University Education, Research Work, or technical Training of any kind loans are available. Amount of Fund, £6500.

FREE PASSAGES TO AUSTRALIA AND NEW ZEALAND AND BACK

The six chief passenger lines serving Australia and New Zealand place eight first-class return tickets, annually, at the disposal of the Universities Bureau for graduates of the Univs. of Great Britain and Ireland who wish to visit these Dominions (*a*) for the purpose of holding temporary teaching-posts, or (*b*) for the purpose of prosecuting research work into problems connected with their development and resources. Application must be made to the Bureau by the authorities of the graduate's Univ.

Regarding free passages *from* Australia and N.Z. and back, see pp. 446, 447.

CITY OF LONDON VACATION COURSE SCHOLARSHIP

£300 to enable a teacher, actively engaged in teaching work in any part of Great Britain or Ireland, to proceed to America for some months in order to conduct research work in the field of education of children between 6 and 14. Address the Secy., City of London Vacation Course, Montague House, Russell Sq., W.C.1. Donor (1927), Irving T. Bush.

ENGLISH-SPEAKING UNION'S SCHOLARSHIPS

For British Women Teachers. *Page Travelling Scholarship*, £50 and complete hospitality in America during the summer vacation. *Chautauqua Scholarships* (2), for the summer school, July and August, in the State of New York; covering cost of lectures and complete hospitality for 6 weeks. Applications receivable up to March 31 by the E.S.U., Dartmouth House, 37 Charles St., Berkeley Sq., London, W.1.

For young men to study business methods, *Prof. Harold Whitehead Scholarship* (Boston Univ.), £80, return passage, and remunerative work.

SIR GEORGE WATSON CHAIR OF AMERICAN HISTORY, LITERATURE AND INSTITUTIONS

Founded by Sir W. G. Watson, Bt., who presented £20,000 for the purpose on the occasion of the return of the Prince of Wales from his American tour. Each year's course will usually comprise about 6 lectures by an eminent authority, American or British. The courses will be given in the various British Univs. in rotation. A general Inaugural Lecture was given in London by the late Viscount Bryce, O.M., in July 1921. This has been published in England by the Cambridge Univ. Press, together with the lectures of 1922 by Dr. A. T. Hadley (ex-President of Yale); 1923, by Dr. Nicholas Murray Butler (President of Columbia Univ.); 1924, by Prof. A. F. Pollard (University College, London); 1925, by Sir Robert Falconer (President of Toronto Univ.). The Lecturer for 1926 was Dr. Robert McElroy, Prof. of American History at Oxford Univ., who took as his subject, "Some British-American Crises." The Foundation is administered by the Sulgrave Manor Board, 1 Central Buildings, Westminster, London, S.W.1.

AMERICAN UNIVERSITY AND COLLEGE SCHOLARSHIPS FOR BRITISH STUDENTS

Commonwealth Fund Fellowships, established 1925. Twenty to be awarded annually. Value about £600 each per annum, tenable ordinarily for two years in one of the 26 institutions belonging to the Association of American Universities (see list in Appendix XXV.). Candidates (who must be unmarried and not over 30 years of age) are to be nominated by universities in Great Britain and Ireland, and the final selections will be made by a Committee of Award, of which H.R.H. the Prince of Wales is Honorary Chairman, and Sir Walter R. Buchanan-Riddell, Principal of Hertford College, Oxford, Chairman. The office of the Committee is at 50 Russell Square, London, W.C.1. Among other conditions of tenure is a requirement that at least 3 months must be spent in travel in the U.S.A. at the close of the first year of study.

Rose Sidgwick Memorial Fellowship. Established by Americans in memory of a member of the British Educational Mission which visited

the U.S.A. in 1918, in recognition of her service in the cause of Anglo-American friendship. Administered by the American Assocn. of University Women. Value $1500 (providing tuition and residence during term for 1 yr., and about $400 in cash towards travelling expenses and incidental fees); tenable at any approved College or Univ. in the U.S.A. English friends of Rose Sidgwick have raised a fund to supplement the Fellowship by providing for outfit, etc., in case of need up to £30. Open to British women (preferably from 25 to 35 years of age) of graduate standing. This Fellowship will next be awarded in 1928. Particulars may be obtained from the Secy., British Federation of Univ. Women, 92 Victoria St., London, S.W.1. The award is made on the nomination of the Academic Sub-Committee of the Committee on International Relations of the Federation. Awarded for 1926–27 to Dr. Evelyn Lucas, Bristol.

Choate Memorial Fellowship, $2000, of the Harvard Club of New York City, 27 West 44th Street. Awarded on nomination and recommendation of the Vice-Chancellor of Cambridge to a British subject coming from Camb. to study in any department of Harvard Univ.

Clarence Graff Fellowship, £250 *plus* tuition fees, open to unmarried men, graduates of Oxford or Cambridge, for advanced study at an institution of learning in the American Middle West (between the Allegheny and Rocky Mountains). Preference to candidates who have had a liberal university training and whose interests are humanitarian rather than commercial or narrowly scientific, the object being to foster a better understanding in Great Britain of social conditions and currents of opinion in the U.S.A. and to establish friendly contacts. Secretary: R. H. Simpson, 50 Russell Square, W.C.1.

Henry P. Davison Scholarships (6), $1500 *plus* tuition fees (about £50) tenable at Harvard, Yale, and Princeton, for one year. Open to Oxford and Cambridge undergraduates and B.A., unmarried. Scholars are chosen on basis of character, scholarship, and fitness to represent the Univ. No examn. Secretaries: A. L. Goodhart, Corpus Christi College, Cambridge; A. C. Jacobs, Oriel College, Oxford.

Laura Spelman Rockefeller Memorial Fellowships for research in the social sciences, tenable in U.S.A., France, Germany, Italy, and certain other European countries. Intended primarily for graduates who have begun research and may be expected to produce important work in economics, sociology, political science, history, psychology, or anthropology, or, in certain cases, philosophy, geography, law, or education. Men and women are alike eligible. The regular stipend is $1800 *plus* travelling expenses and university fees, but special financial arrangements can be made to meet special needs. Fellowships may be given for one, two, or three years. *Applications are not invited from candidates.* The procedure preferred is that the responsible academic or other authority, who knows the candidate's work and wishes to nominate him, should write to the Memorial's representative for Great Britain and Ireland, J. R. M. Butler, Trinity College, Cambridge.

Bryn Mawr College. Eight graduate scholarships for European women students, of which in general three are awarded to British

women. Value $720 (covering fees for tuition and, during term only, board and residence during one academic year). Applications receivable up to May 1.

SMITH COLLEGE, Northampton, Mass.—Six fellowships, $600 and tuition, open to women graduates either of Smith College or of other Colleges of equal rank.

UNION THEOLOGICAL SEMINARY, N.Y. CITY. Fellowship in Theol., $1200 for 1926–27, for advanced graduate work. Open to theol. students of high grade of England and Wales of any ecclesiastical communion who have completed a regular theol. course. Applications receivable by the Rev. the Principal, Mansfield College, Oxford, or Prof. G. S. Duncan, St. Mary's College, St. Andrews. Latest date, May 31.

PRINCETON. *Jane Eliza Procter Visiting Fellowships.* Three of $2500 each annually, for 2 British scholars (to be nominated by the Univs. of Oxford and Cambridge) and 1 French, tenable for one year, with possibility of renewal, in Princeton Graduate College, for independent advanced study and investigation in purely liberal arts and sciences, exclusive of professional, technical, or commercial subjects; open only to unmarried young men holding a degree in distinctively liberal studies and of reasonably good health, high character, and exceptional scholarly power. Also ten Charlotte Elizabeth Procter Fellowships of $1200 each annually are open to duly qualified graduates of American, British, and other univs. in the field of distinctively liberal studies. Applications for an ensuing academic year should be made directly to the Dean of the Graduate School, Princeton, New Jersey, U.S.A., before March 1.

MICHIGAN. *The Riggs Foundation* under the auspices of the English Speaking Union. Fellowships for British graduates. $1500 each, tenable in the Univ. of Michigan, one year. Preference to students of History and Economics. The Assistant-Director, American University Union, 50 Russell Sq., London, W.C.1, is Secretary to the Selection Committee.

Many American Universities having "Graduate Schools" offer Research Scholarships and Fellowships of from $300 to $2000 p.a. which are ordinarily open to Foreign as well as to American students. Nearly all the American Univs. other than State Univs., and a few of the latter, offer each year fellowships of from $200 to $800 which are open to Foreign students. Most American Univs. close their scholarship lists about March 1. The Institute of International Education (522 Fifth Avenue, New York) published in 1923 lists of fellowships, etc., offered to Americans for study abroad and *vice versa*. These may be seen at the American University Union, 50 Russell Sq., London, W.C.1.

A tentative plan for the establishment of fellowships for British subjects in American Univs. which was formulated by President Frank Aydelotte of Swarthmore College, American Secretary of the Rhodes Scholarship Trust, in 1922, has, in the main, been realized in the Laura Spelman Rockefeller and Commonwealth Fund Fellowships.

FRENCH UNIVERSITY SCHOLARSHIPS

A scholarship of 8000 fr., open to Australians for graduate or post-graduate work. Office National des Universités et Écoles Françaises, 96 Bd. Raspail, Paris (6e).

"La Bienvenue Française," 33, Rue du Faubourg Saint-Honoré, founded in 1923, offers every scholastic year hospitality to one student of science of each of the following nationalities: French, British, Belgian, Italian, Czecho-Slovakian.

INTERNATIONAL FELLOWSHIPS, ETC., OF FEDERATIONS OF UNIVERSITY WOMEN

The International Federation of University Women is raising funds for Travelling Fellowships for women graduates of all countries, to be available for a year's research work in some country other than that of the holder. The first will be awarded in 1928. *Address*, 92 Victoria Street, London, S.W.1.

The American Assocn. of University Women offers $1500 to enable a member of the International Federation of University Women to carry on a year's research in some country other than her own.

The Canadian Federation has founded a Scholarship enabling a woman graduate of a Canadian Univ. to study at a Univ. of any other country represented in the International Federation.

The Australian Federation of University Women has offered two research Fellowships, each of £500, for a year's work in Science, Economics, or Colonial History in Australia. One of these Fellowships has been awarded to D. Jordan Lloyd, D.Sc., of Newnham College, Cambridge. The other will be awarded to a non-British graduate.

GOVERNMENT GRANTS FOR SCIENTIFIC AND INDUSTRIAL RESEARCH

The total expenditure estimated for 1926–27 of the DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH is £711,626. This included headquarters administration, £34,378; Geological Survey and Museum of Practical Geology, £68,210; and various research programmes, £447,307.

Grants to individual research workers (£37,000) are made on recommendations by individual professors. During 1925–26 the Department made 212 allowances to students for training in research in Univs. and Colleges; 50 grants to research workers to undertake independent research or act as scientific assistants to investigators of standing; 13 grants to scientific workers to enable them to employ laboratory or clerical assistants or to purchase equipment. The system is intended to supplement and not in any way to supersede existing provision,

national or local, for post-graduate research. Particulars of these grants will be found in the pamphlet, *Notes on the Grants to Research Workers and Students*, price 2d., from any bookseller.

Up to September 1926 the number of Industrial Research Associations recognized by the Department and in operation was 24. Particulars of them and of Research Stations under the Department are given in Appendix XXVII.

Developments in the organization of research in the Overseas Dominions are described in an Appendix to the Annual Report of the Department for 1925–26.

The IMPERIAL INSTITUTE, with which the *Imperial Mineral Resources Bureau* was amalgamated in 1925, has technical laboratories and workshops, and is organized to supply technical information dealing with raw materials of all kinds and the mineral resources of the Empire. It is under the statutory control of the Department of Overseas Trade. Further particulars are given in Appendix XXVII.

MINISTRY OF AGRICULTURE AND FISHERIES AND DEVELOPMENT COMMISSION

GRANTS FOR AGRICULTURAL (AND VETERINARY) RESEARCH. For some few years past the Ministry has awarded annually Research Scholarships (£200 p.a. for 3 yrs.) to assist promising students—usually honours graduates in Science of a British Univ.—to qualify as research workers. In 1926, 5 were awarded to students of Aberystwyth, Cambridge, London (Imperial College), Oxford, and Reading. In 1921 the Ministry instituted Travelling Research Fellowships for members of staffs of aided research institutions. In 1926, 5 were awarded to members of the staffs at Bristol, Oxford, Reading, and the Rothamsted Research Station.

The Ministry has allocated (with a view to the concentration at one institution or at institutions working in combination, of the scientific work in each of certain definite groups of subjects) grants-in-aid for the maintenance of research departments of institutions as follows: *Agr. Engineering*—Oxford Univ.; *Agr. Parasitology*—London School of Hygiene and Tropical Medicine; *Fruit-growing*—Bristol Univ., Cambridge Univ., East Malling Research Station (near Maidstone); *Animal Nutrition*—Cambridge Univ.; *Plant-breeding*—Cambridge Univ., University College of Wales, Aberystwyth; *Plant Physiology*—Imperial College of Science; *Economics of Agr.*—Oxford Univ.; *Dairying*—Univ. College, Reading; *Plant Nutrition and Soil Problems and Plant Pathology*—Rothamsted Experimental Station, Harpenden, Herts; *Crop Improvement and Seed and Potato Testing*—Nat. Inst. of Agr. Botany, Cambridge; *Animal Pathology*—Royal Vet. College, Camden Town, London, N.W.1, Cambridge Univ., and the Ministry's Vet. Laboratory, Addlestone, Weybridge.

In addition to the above, grants are made for research in Animal-breeding (poultry and rabbits) to Cambridge, Bee-culture to Rothamsted

Exptl. Station, Glasshouse culture to Waltham Cross Research Station, Silver-leaf disease research to Camb. Univ., Testing new varieties of fruit trees to Royal Hortic. Soc.

A grant has also been made to enable the Agr. Depts. of the following institutions to supplement in cases calling for special scientific knowledge and training the advice usually given by members of the county Agr. Staffs: Armstrong Coll., Bristol, Cambridge, Leeds and Manchester Univs., Aberystwyth, Bangor, Cardiff, and Reading Univ. Colleges, Midland, S. Eastern (Wye), Harper-Adams (Newport), Midland (Sutton-Bonnington, Notts.), and Seale-Hayne (Newton-Abbot) Agr. Colleges. Grant for 1924–25, £40,000.

Special research grants amounting in the aggregate to £2720 for work in 1926–27 are being made to Cambridge, Leeds, Manchester, Reading, and Bristol Univs., the Imperial College of Science, East Malling Research Station, Armstrong, Seale Hayne, Harper Adams, S. Eastern Agr. (Wye), and Bangor Colleges.

In a leaflet (197) issued by the Ministry in Sept. 1920 (revised November 1925) information is given regarding some of the above-mentioned grants and generally regarding Agr. Education and Research in England and Wales. V. also Appendix XXVII.

FISHERY RESEARCH. Researches likely to lead to results bearing on the development and improvement of fisheries are eligible for advances from the Development Fund as follows: 1. *Grants-in-aid of the general work of Independent Marine Institutions*, to aid fundamental researches forming part of the Institution's continuous programme of work. Departments of a Univ. engaged principally upon education which may be eligible for grants administered by the Univ. Grants Committee are not as a rule eligible for these. Applications in prescribed form are receivable by H.M. Treasury up to Sept. 30 for grants to be made in the ensuing financial year. They will be referred to the Ministry for report, and may involve informal inspections by representatives of that Dept. and of the Development Commission.

2. *Grants for Specific Researches.* (*a*) Directed to definite economic ends of use to the Fishing Industry; or (*b*) "Free" researches. Communications with a view to grants under head (*a*) should be addressed to the Fisheries Secretary. As regards grants to Institutions under head (*b*), the work may be carried on either by members of the staff or by workers temporarily attached to the Instn. or by research students working under the guidance of members of the staff, whose qualifications are approved and who are definitely recommended by the Head of the Institn. The Development Commrs. will also be prepared to consider applications for additional grants for temporary assistants and for apparatus, etc., to enable members of the staff to prosecute special lines of inquiry. Applications should be addressed to H.M. Treasury and will be dealt with in the same way as those under par. 1. In special cases applications for grants under either (*a*) or (*b*) in respect of researches by workers not attached to any recognized Instn. may be considered.

The amount provided in the Ministry's estimates for 1926–27 for grants under 2 (*a*) was £1475.

Detailed information regarding the promotion of Agricultural education and research is contained in the annual reports of the DEVELOPMENT COMMISSIONERS (6A Dean's Yard, Westminster, London, S.W.1), obtainable from H.M. Stationery Office.

MEDICAL RESEARCH COUNCIL

The Medical Research Council (15 York Buildings, Adelphi, London, W.C.2), formerly the Medical Research Committee established in 1914 under the Nat. Health Insurance Act, are now under the direction of a Committee of the Privy Council. They apply money voted by Parliament or received from private sources for the furtherance of medical research. Grants are made to qualified investigators in respect of approved programmes of research work to be carried out in Univs., Medical Schools, Hospitals, or other institutions. Names of recipients and accounts of the schemes of research supported are given in the Council's Annual Reports published by H.M. Stationery Office. 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. Rockefeller Medical Fellowships tenable in the U.S.A. are also provided for graduates in medicine or related branches of science : for 1926–27 eight were awarded.

RESEARCH IN THE OVERSEAS DOMINIONS

A Committee, appointed in Nov. 1920 by Lord Milner, then Secy. of State for the Colonies, to consider what steps could be taken to secure the assistance of the Univs. in carrying out research work for the Colonies and Protectorates, reported (Cmd. 1472, price 2d.) in April 1921 that there should be such substantial augmentation of scientific workers in our Univs. as will not only foster research among students but also enlarge the corps of scientific experts to whom the Empire may turn for help in the hour of need. They drew attention to the large number of appointments which the Colonial scientific departments offer to men adequately equipped for them (Agric. 254, Forestry 106, Analytical Chemists 18, Vet. 77, Geol. 20, Med. 649) and recommended that for appointments requiring research qualifications selection should not be by competitive examination but based on recommendations by Universities or Colleges.

The EMPIRE MARKETING BOARD has made a number of grants covering a wide field of research—agricultural, entomological, etc., in East Africa, Australia, and the West Indies.

At SINGAPORE is an Epidemiological Information Bureau established by the League of Nations with the support of the Rockefeller Foundation. It receives annual subsidies from several Governments. *Address* —League of Nations, Health Section, Eastern Bureau, 67 Robinson Rd., Singapore.

RESEARCH IN CANADA, AUSTRALASIA, AND AFRICA

CANADA. An Honorary Advisory Council for Scientific and Industrial Research was constituted in Nov. 1916 under a sub-committee of the Privy Council of Canada which had been formed in the same year to have charge of all measures to foster the scientific development of Canadian Industries. It consists of 15 members chosen from the Univs., the Engineering Profession, and the Industries of the Dominion. With the help of Associate Committees comprising over 222 of the leaders of science and industry it has undertaken or promoted important researches in regard to the utilization of peat and of low-grade iron ores, methods of re-forestation, tuberculosis, the action of alkaline waters on concrete, rust in wheat, and some 60 other subjects. By the foundation of *Bursaries*, *Fellowships*, and *Studentships* tenable in Canadian Univs. provision is made each year for the training of young graduates in the methods of scientific investigation. The expenditure of the Council in 1925–26 was $138,000, including $40,000 for scholarships for training research workers, and $61,900 for assisted researches.

AUSTRALIA. The *National Research Council* was founded in 1921 to represent Australia in the International Research Council, and also serves as a national academy of pure and applied science (all branches).

The Commonwealth Council for Scientific and Industrial Research was established by the Science and Industry Research Act, 1926, and has taken the place of the former Institute of Science and Industry, which was constituted in 1921, and had succeeded a temporary Advisory Council of Science and Industry which was created in 1916. The Council consists of 3 nominees of the Commonwealth Government, the Chairman of each State Committee constituted by the Act, and other persons co-opted for their scientific knowledge. Its main functions are : (*a*) to carry out scientific researches in connexion with the primary and secondary industries of Australia ; (*b*) to train research workers ; (*c*) to make grants in aid of pure scientific research ; (*d*) to carry out the testing and standardization of scientific instruments and apparatus ; and (*e*) to act as a means of liaison between the Commonwealth and other countries in matters of scientific research. The Government has made a grant to it of a sum of £250,000 for research work and investigations for an unspecified period. The reorganization and development of the work is as yet only in its initial stages. The Council has decided to concentrate efforts mainly on 5 major branches, viz. : (*a*) Plant problems, (*b*) Animal Problems, (*c*) Forest Products, (*d*) Fuel Problems, especially liquid fuels, and (*e*) Preservation of Food-stuffs, especially cold-storage. It is working in close co-operation with the State Government Departments, the Universities, and other institutions. It is also co-operating with the British Department for Scientific and Industrial Research.

Under the Science and Industry Endowment Act, 1926, the Commonwealth Government has established a capital fund, the income from which is to be used to provide assistance (*a*) to persons engaged in scientific research, and (*b*) in the training of students in scientific

research (*Secretary*, Gerald Lightfoot, M.A., 314 Albert Street, East Melbourne).

The Australian *Institute of Tropical Medicine*, Townsville, North Queensland, is under the control of the Commonwealth Department of Health. The staff, consisting of a Director, 4 medical officers, and an entomologist with technical assistants, etc., perform educational and diagnostic as well as investigational functions.

The NEW ZEALAND Institute, established in 1867, controls 3 funds which are available for grants to aid scientific workers: the Government Research Grant Fund, Hutton Memorial Fund, and N.Z. Institute Endowment Fund. The Cawthron Institute of Scientific Research at Nelson concerns itself specially with agriculture and fruit-growing. The State Forest Service conducts experiments in regard to the value of the Dominion's timbers.

SOUTH AFRICA. The Research Grant Board of the Union of South Africa, instituted in 1918, is attached to the Department of Mines and Industries and reports to the Minister of Mines and Industries and the Minister of Education. It administers the Government research scholarships and grants. The scholarships are of the value of £250 per annum for one or two years. The recipients are, in general, students who have already obtained university degrees and are undertaking research for the first time, under the supervision of their professors, though in some instances they are young professional men who have elected to give up the practice of their professions for a period in order to undertake research, also under suitable supervision. The recipients of research grants, on the other hand, are members of the staffs of the Univs. and others who have, most of them, a considerable amount of research already to their credit. The grants are made to defray such necessary expenses as the purchase of apparatus, material, and literature, travelling expenses and the cost of publication of the results of research. Since its inception the Board has allotted twenty-six scholarships and 142 grants-in-aid of research.

SUDAN. At the Gordon Memorial College, Khartoum, are established the Wellcome Tropical Research Laboratories, where research and a large number of routine examinations are carried out by Government Bacteriologists, Chemists, and Entomologists.

RESEARCH IN INDIA

Under the new Constitution the development of industries is a Provincial transferred subject and the Government policy in regard to research work is to a large extent determined provincially. The *Indian Institute of Science*, Bangalore, is concerned with the application of science to industry and agriculture (see p. 592); the practical side of research work conducted there has been developed in recent years. There are *Research Institutes* at Pusa (Agricultural, dealing with problems of general or all-India importance in the various sections of Botany, Chemistry, Bacteriology, etc.), Dehra Dun (Forestry), and

Cawnpore (General Applied Chemistry, Vegetable Oils, Leather, and Tinctorial Chemistry). The *Royal Institute of Science*, Bombay, is designed to conduct undergraduate teaching side by side with post-graduate research in the Departments of Chemistry, Physics, and Biology. The *Central Cotton Committee's Technological Research Laboratory*, Matumga, Bombay, opened in Dec. 1924, is for research work on cotton problems, testing of cotton yarns, and chemical examination of cotton sent for trial. In addition, the Committee places grants-in-aid at the disposal of Provincial Departments of Agriculture for research work on cotton, and is contributing to the expenses of the new *Institute of Plant Industries* at Indore. At the *Imperial Institute of Veterinary Research*, Muktesar, research activities in cattle diseases have been developed on an unprecedented scale. A *School of Mines and Geology* has been opened at Dhambad, and a project is in hand for a *Forest Research Institute* in Burma. In addition there is a *Research Tannery* at Calcutta, and an *Imperial Research Laboratory* in Bengal is contemplated. The *Indian Lac Association for Research* is financed by a cess on the exports of lac and employs the funds so received on research work connected with the cultivation of lac and the manufacture of shellac. The Research Station is situated in Ranchi. The *Sir J. C. Bose Research Institute*, Calcutta, founded in 1917, is concerned especially with Plant Biology. Its position has been consolidated by a grant from the revenues of the Govt. of India of Rs. 103,000.

Medical research is systematically arranged for by the Government of India, either directly or through local Governments, at central or provincial institutions. The chief of these are the Central Research Institute, Kasauli, the School of Tropical Medicine and Hygiene, Calcutta, the Haffkine Institute, Bombay, the King Institute of Preventive Medicine, Madras, King Edward VII. Memorial Pasteur Institute, Shillong, and the Pasteur Institutes at Kasauli, Coonoor, and Rangoon. The *Indian Research Fund Association*, which receives its income from grants by the Government of India, assists in financing enquiries based on all these institutions, and employs not only Indian Medical Service Officers but also workers outside the Services in attempting to elucidate the various tropical disease problems which are most urgent. The avowed objects of the Association are the prosecution and assistance of medical research, the propagation of knowledge and experimental measures generally in connexion with the causation, mode of spread, and prevention of diseases, primarily those of a communicable nature. All proposals for research under the Association are examined by the *Scientific Advisory Board*, which consists of experts chosen from the Research Institutes of the country as well as from the central medical administration. This Committee is thus able, not only to assess the value of proposals, but also to co-ordinate and prevent overlapping, and it is largely on its recommendations that the grants from the Association are made. Apart from grants-in-aid to teachers, bureaux, and publications, it has financed numerous researches, the selected results of which are published quarterly in the *Indian Journal of Medical Research* and its Memoirs.

INTERNATIONAL FOUNDATIONS AND ORGANIZATIONS FOR RESEARCH

FONDATION UNIVERSITAIRE, 11 rue d'Egmont, Brussels, founded in 1920 with a capital of 55 million francs derived from the unexpended balance of the funds of the Commission for Relief in Belgium, aims (1) at helping impecunious young Belgians to take courses in Institutions for higher education and (2) at developing scientific production in Belgium. It makes loans for the first purpose and grants and subsidies for the second. In the year 1924–25 its loans for University study amounted to 900,800 francs, its subsidies to 799,707 francs. The subsidies included grants for study to be carried on, in European Univs. 155,500 fr., for training in Scientific Research 21,700 fr., for research workers 119,000 fr., for scientific publications 300,507 fr. Grants for study in American Universities were made to 34 Belgian graduates, and grants for study in Belgian Universities were made to 9 Americans. The Foundation arranges exchange visits of Professors. A club-house was established at 11 rue d'Egmont in 1922 for Belgian Univ. Professors. It is open also to foreign professors invited by members of the club. It has lodging accommodation.

ELLEN RICHARDS RESEARCH PRIZE, $1000, for a thesis written in *English by a woman* on a scientific subject. Latest date, Feb. 28. Particulars obtainable from Dr. Lilian Welsh, Goucher College, Baltimore, Md., U.S.A.

NOBEL PRIZES, founded by Alfred Nobel, who died in 1896, awarded for contributions to the common good by workers in (*a*) Physics, (*b*) Chemistry, (*c*) Medicine or Physiology, (*d*) Literature, (*e*) the Preservation of Peace. The prizes, worth from Kr. 115,000 to Kr. 150,000 each, are awarded for (*a*) and (*b*) by the Swedish Academy of Science, for (*c*) by the Stockholm Faculty of Medicine, for (*d*) by the Swedish Academy of Literature, and for (*e*) by a committee elected by the Norwegian Storthing. Among the categories of persons qualified for candidature for prize (*e*) are University Professors of Political Science and Law, of History, and of Philosophy. Particulars can be obtained from Nobelstiftelsens Styrelse, Sturegatan, 14, Stockholm, Sweden. Among prize-winners of past years the following have a special interest for English-speaking students: (*a*) 1904, Lord Rayleigh; 1906, J. J. Thomson; 1907, A. A. Michelson; 1915, W. H. Bragg and W. L. Bragg; 1917, Ch. G. Barkla; 1923, R. A. Millikan; (*b*) 1904, Sir Wm. Ramsay; 1908, E. Rutherford; 1914, T. W. Richards; 1922, F. Soddy, F. W. Aston; (*c*) 1902, Sir Ronald Ross; 1912, Alexis Carrel; 1922, A. V. Hill; 1923, F. G. Banting and J. J. R. Macleod; (*d*) 1907, Rudyard Kipling; 1913, Rabindranath Tagore; 1923, W. B. Yeats; 1926, G. B. Shaw; (*e*) 1903, Sir W. R. Cremer; 1906, Theodore Roosevelt; 1912, Elihu Root; 1919, W. Wilson; 1926, Sir Austen Chamberlain and General Ch. G. Dawes.

FONDATION GEORGE MONTEFIORE offers triennially a prize of the value of 22,000 francs " au meilleur travail original présenté sur

l'avancement scientifique et sur les progrès dans les applications techniques de l'électricité dans tous les domaines, à l'exclusion des ouvrages de vulgarisation ou de simple compilation." Work should be received by April 30, 1927, by M. le Secrétaire-archiviste de la Fondation George Montefiore à l'hôtel de l'Association, rue Saint-Gilles 31, Liége (Belgique). It may be in English or French.

VISSER INTERNATIONAL LAW PRIZE (triennial). Administered by Leyden Univ. (Legatum Visserianum). 5000 guilders. Next competition, May 1928; subject—Westphalian Congress; language—Dutch or French.

PRIX HOLLANDAIS, 8000 fr., and Prix d'Ault du Mesnil, 1800 fr., for work in physical or prehistoric anthropology, triennially beginning 1927. Institut International d'Anthropologie, 15 rue de l'École de Médecine, Paris, vi.

INTERNATIONAL RESEARCH COUNCIL, Palais des Académies, Brussels. General Secretary—Sir Arthur Schuster, Royal Society, Burlington House. This body has been constituted with effect from Jan. 1, 1920, in pursuance of a resolution adopted in Nov. 1918 at a Conference in Paris at which the principal Allied Academies were represented. Under the auspices of the Council, *International Unions* have been formed for Astronomy, Geodesy and Geophysics, Pure and Applied Chemistry, Mathematics, Physics, Radio-Telegraphy, Biological Sciences, and Geography.

UNION ACADÉMIQUE INTERNATIONALE (for co-operation in the advancement of studies by means of collective researches and publications in the fields of Archæology, History, Philology, and Moral, Political and Social Science). The Union was constituted in 1919 on the initiative of the Académie des Inscriptions et Belles-Lettres. Its address is Palais des Académies, Bruxelles. The British Academy is affiliated to it.

MODERN HUMANITIES RESEARCH ASSOCIATION, founded at Cambridge, June 1, 1918, for the encouragement of advanced study in Modern Languages and Literatures by co-operation. Has 62 correspondents and about 800 members. Press organ: *Modern Language Review*, quarterly, 7s. Hon. Secy.: Prof. E. Allison Peers, The University, Liverpool. Sub-Secy. for America: Prof. A. H. Nason, Box 84, University Heights, New York City, U.S.A. Branches: London, Cambridge, Edinburgh, Leeds.

XXV

FEDERATIONS AND FOREIGN UNIVERSITIES

[*From 1921 to 1925 inclusive the Yearbook has contained in this appendix brief notes concerning the principal foreign universities. It has been decided, in view of the publication by the National Union of Scottish Students of a new* HANDBOOK ON FOREIGN STUDY, *to discontinue these notes for the present, with the exception of the accounts of universities in the United States, which are retained on account of the great increase that has recently taken place in the number of scholarships for British students tenable in that country.*]

The LEAGUE OF NATIONS COMMITTEE ON INTELLECTUAL CO-OPERATION has entrusted to the University Relations Section of the *International Institute of Intellectual Co-operation* (2 Rue de Montpensier, Paris I.) the production of the *Bulletin for University Relations* formerly issued by it at Geneva. Annual subs. (6 Nos.), 10s., payable to the publishers, Les Presses Universitaires de France, 49 Boulevard Saint-Michel, Paris V. The University Relations Section organizes annually conferences of the directors of National University Offices and of the representatives of International Associations of Students.

The CONFÉDÉRATION INTERNATIONALE DES ETUDIANTS was formed at Strasbourg in 1919 by official representatives of the National Unions of Students of Belgium, Czecho-Slovakia, France, Luxembourg, Poland, Roumania, and Spain, and unofficial representatives of students of 10 other countries — Denmark, England, Greece, Holland, Italy, Norway, Sweden, Switzerland, U.S.A., and Yugoslavia—which had, at that time, no national unions. The Council of the C.I.E. met at Brussels in 1920 to organize the first Congress, which was held at Prague in 1921. At this Congress National Unions of England and Wales, Finland, Holland, Norway, Scotland, Switzerland, Sweden, and Yugoslavia were admitted as full members, and a representative of emigrant students from Ukraine as an unofficial member. The Council met again at The Hague and at Oxford in 1923, and the Second Congress took place at Warsaw in Sept. 1924, when the National Unions of Bulgaria, Esthonia, Hungary, Lithuania, and Turkey were admitted as full members, and the following as unofficial members: National unions of New Zealand and South Africa and "Oreso" (association of Russian emigrant students), and representatives of students of Georgia and of Hong-Kong; and it was decided to collaborate effectively with the national union of German students (Deutschestudentenschaft). In 1926, at the Council's meeting in Prague, the Algemeene Senaten Vergadering of the students' senates of Holland was admitted as a member, the association of White Ruthenian students as a free member, and the general association of Latin-American students in Paris as

associated member. The confederation aims at promoting friendship between students and student bodies throughout the world and the study of international questions relative to higher education and the conditions of student life.

The central office is at Brussels. Administrateur—J. Baugniet, Dr. Jur. Avocat, 82 Avenue Molière. Executive Committee: President, J. Balinski-Jundzill, 11 rue Wiejka, Warsaw; First Vice-President, Ivison Macadam, c/o N.U.S., 3 Endsleigh St., London, W.C.1; Vice-Presidents, T. Bergh, Lund, H. Graessler, Copenhagen; de Rocca Serra, Bordeaux; Paleček, Prague. Secretary-General, Orazi Spartaco, via Gaeta, 19, Rome 21. Joint-Secretary, Hans Bosshardt, Krähbühlstrasse, 49, Zurich. Treasurer, M. I. Macdonald, c/o S.R.C., The University, Edinburgh.

The INTERNATIONAL FEDERATION OF UNIVERSITY WOMEN was founded in 1920 "to promote understanding and friendship between the university women of the nations of the world, and thereby to further their interests and develop between their countries sympathy and mutual helpfulness." It has branches in twenty-seven countries. The Federation assists travelling members by providing introductions, and by the establishment of club-houses in such centres as Paris, London, Brussels, Rome, New York, Washington, Philadelphia. It provides travelling fellowships for women graduates (v. Appendix XXIV., p. 692), and promotes the exchange of university and secondary school teachers between different countries. Officers (1926–28): *President*, Docent Ellen Gleditsch, Univ. of Oslo; *Vice-Presidents*, Prof. Winifred Cullis, Univ. of London; Mme. N. Schreiber-Faure of Geneva; Prof. J. Westerdyk, Univ. of Utrecht; *Treasurer*, Mrs. Thomas R. White, Philadelphia; *Secretary*, Miss Theodora Bosanquet, 92 Victoria Street, London, S.W.1. International Conferences are held triennially. The next Conference will be held in Geneva in 1929. *Crosby Hall, Chelsea, London*, will be opened by the British Federation of Univ. Women as a residence for women graduates of all countries, at Easter 1927. The residence is intended primarily for graduate students carrying on research or other advanced work in London. Application for accommodation should be made to the Warden, Crosby Hall, Chelsea, London, S.W.3.

The WORLD'S STUDENT CHRISTIAN FEDERATION is a federation of the national Student Christian Movements of over forty countries, which has a membership of some 300,000. Publications: a news sheet, *The Student World* (quarterly), a *Directory and Exchange List*, and a *List of Foyers and Student Hostels* (annual). Offices: 16 Boulevard des Philosophes, Geneva. The Federation was largely responsible for initiating relief work among students in Europe after the war. The funds raised in this country for the purpose were administered by the Universities' Relief Committee under the auspices of the Imperial War Relief Fund. This Committee has now disbanded, but the "International Student Service of the World's Student Christian Federation" is continuing relief work where currency or other difficulties demand it. It publishes *Vox Studentium* (monthly).

The STUDENT CHRISTIAN MOVEMENT of Great Britain and Ireland is the British Branch of the Federation. Publications: *The Student Movement* (monthly during term). Offices: Annandale, North End Road, Golders Green, London, N.W.11.

The UNIVERSITIES LIBRARY FOR CENTRAL EUROPE was established towards the end of 1920 in order to co-ordinate and consolidate the work of securing (by gifts, exchange, and purchase) British books, journals, etc., for students, teachers, and libraries in the Universities of Central Europe. The work has to some extent lost its definitely charitable character, but the Committee (Chairman—Sir Wm. H. Beveridge) conducts a substantial volume of work, such as exchange of publications between official departments and scientific institutions on the continent and similar institutions in the British Empire. In conjunction with the League of Nations it has undertaken to accept literature from other countries for distribution anywhere in the United Kingdom, and, similarly, to distribute all over Central Europe books and periodicals received from Universities and learned societies in Great Britain.

In 1926 it added to its other functions that of a clearing-house for reception and distribution of scientific books and periodicals from and between individuals and institutions in Great Britain and Ireland.

Among foreign organizations useful to British students may be mentioned: Austria—(1) Kursorganisation der Wiener medizinischen Fakultät, Vienna ix. 1, Porzellang 22, from which programmes of medical courses for foreigners and others can be obtained; (2) Minerva Buro, Vienna viii., Schlösselgasse 22 (information about board and lodging); (3) Wiener Internat. Hochschul Kurse, Vienna ix., Boltzmanngasse 16.

Denmark—Anglo-Danish Students' Bureau, 50 Russell Sq., London, W.C.1.

Egypt—Educational Mission in England, 28 Victoria St., Westminster, London, S.W.1.

France—Office National des Universités et Écoles Françaises, London Branch, 1-7 Cromwell Gardens, London, S.W.7. The Office published in 1925 a comprehensive Handbook giving information about the French universities and the entire system of organisation of education in France. Price 5s. The French Ministry of Public Instruction announced on Sept. 17, 1926, the admission to equivalence with the "baccaleuréat de l'enseignement secondaire français" of every certificate of matriculation issued by one of the Universities of the United Kingdom and every diploma accompanied by an attestation of the Universities Bureau of the British Empire certifying that the diploma entitles its holder to admission as a regular student to degree courses in one of those universities.

Germany—Deutsches Institut für Ausländer, Universität Berlin, C 2 Universitäts-gebäude. Publishes, monthly, *Mitteilungen*.

Holland—Netherlands Committee for international academic relations, 33 Wasstraat, Leyden.

Italy—Istituto Interuniversitario Italiano, R. Palazzo Venezia,

N. 118, Roma. [There is a *British Institute* at Florence, Palazzo Antinori, Piazza Antinori, 3, comprising a School in English for Italians, with 3 years' (elementary), 2 years' (higher), and 2 years' (finishing) courses, a reading-room and library, and the organizing of lectures, concerts, etc. Its Higher Diploma is of the standard of the Doctorate of an Italian Univ. Director—Dr. H. Goad. Number of students about 140. About 75 classes or lectures weekly during 8 months.]

Norway—Studie-Oplysningskontoret, Universitetet, Oslo.

Spain—Centro de Estudios Historicos, Almagro, 26, Madrid.

Switzerland—Office Central Universitaire Suisse, rue de l'Hôpital 30, Berne.

DIRECTORIES OF THE UNIVERSITIES and other learned institutions of the world: *Minerva* (Walter de Gruyter & Co., Leipzig) and *Index Generalis* (by Prof. R. de Montessus de Ballore; four editions, French, English, American, Spanish, annually; London Agents, Dent & Sons, Ld., 10 Bedford St., W.C. 2).

UNITED STATES OF AMERICA

In the 913 Universities, Colleges, and Professional Schools which submitted returns for 1923–24 to the United States Bureau of Education there were enrolled in that year 726,124 students, of whom rather more than one-third were women. Of these institutions 144 were under public and 769 under private control; 150 were independent professional schools. Of the total number of students 61,858 were in pre-matriculation departments, 28,498 were in Junior Colleges, and 28,799 were in graduate schools. Law students numbered 35,732, medical 18,900, dental 12,947, theological 12,358, pharmacy 9951, engineering 57,699. For full information about American Universities students in this country are advised to apply to the American University Union, British Division, 50 Russell Sq.; on the continent of Europe to the Paris office of the Union, 173 Boulevard St. Germain. In Rome there is an American Academy at Porta San Pancrazio 29. In Belgium the Fondation Universitaire, which administers numerous scholarships tenable in American institutions of higher learning, has its office at 74 rue de Namur, Bruxelles. In Prague there is an American Institute. In America reference may be made to the American Council on Education, 26 Jackson Place, Washington; or to the Institute of International Education, 522 Fifth Avenue, New York. This Institute published, in 1924, a *Guidebook for Foreign Students in the U.S.A.* The Bureau of Education of the United States Department of the Interior published in 1921 a Bulletin (No. 39 of 1920) on "Facilities for Foreign Students in American Colleges and Universities." This is obtainable from the Government Printing Office, Washington, D.C., at 15 cents a copy. A recent Australian view of American Univ. life and organization is given in *The American University* by E. R. Holme of the Univ. of Sydney (Angus and Robertson, Ltd., Sydney, 1920, 7s. 6d.). A description of American Univs. from the point of view of

a French scientist is given in *Universities and Scientific Life in the U.S.A.*, by Prof. M. Caullery (Oxford Univ. Press, 1922, 10s. 6d.).

" International House," Riverside Drive, New York, opened Sept. 1924, is a residential club for over 500 foreign and American students. The requisite funds were provided by J. D. Rockefeller, Junior, who also founded the " International Education Board " (chartered Jan. 16, 1923). This Board has established the International Institute of Teachers College (v. *infra*, Columbia Univ.).

The British Information Library, 44 Whitehall Street, New York, established Dec. 1919, for the convenience of Americans desiring information on British current affairs, is a branch of the News Department of the Foreign Office, from which it is well supplied with official documents and other publications. It has become the recognized centre for information on British Empire affairs. It is in close touch with the Dominion Trade Commissioners in New York, and can give information on Dominion affairs. Wherever possible official documents are lent, on request, to American libraries under the usual inter-library loan conditions. Early copies of documents dealing with matters of general interest, such as foreign affairs, finance, education, social welfare, industrial relations, mineral and oil resources, etc., are received regularly directly from London. The Library also has an important file of documents on Indian affairs, and some of the leading Indian newspapers. It is entirely free to the public, and information is gladly given to all enquirers. The Library is the official agent in U.S.A. for publications of H.M. Stationery Office.

American Professors on leave of absence sometimes receive grants for expenses of foreign travel from the Institute of International Education, and report to the Institute on their observations while teaching in foreign Institutions. Columbia, Pennsylvania, Johns Hopkins, Cornell, Harvard, Mass. Inst. Tech., and Yale co-operate in arranging exchanges with France of Professors of Applied Science.

For information as to American University and College Scholarships for British students see Appendix XXIV.

A British-American Association of Phi Beta Kappa (founded 1776—a society of American University scholars of distinction) was formed in England in 1924 under the presidency of Lord Balfour. Address, American University Union, 50 Russell Sq., London, W.C.1.

The UNIVERSITY CENTRE FOR RESEARCH IN WASHINGTON, constituted in 1921, is maintained by a voluntary association of scholars, to promote and facilitate research in archives, libraries and other collections located in the District of Columbia, on the part of students in the graduate departments of American and Foreign Univs. and of others. Technical Divisions of History, Polit. Sc., Internat. Law and Diplomacy, Economics, and Statistics have been established. Students in foreign Univs. and other investigators desiring to avail themselves of its services should apply to the Director of the American Council on Education, 24-26 Jackson Place, Washington, D.C.

AMERICAN DEGREES (non-professional). The following notes are based on a Report presented by a Committee of the American Council

on Education to the French Ministry of Public Instruction: The American Colleges, both those which are independent institutions and the colleges of liberal arts within Universities, award the A.B. (or B.S.) degree to students who complete a 4 years' course. Ordinarily the student at the time of admission to the college is about 18 years of age and has completed a 4 years' course in a secondary school. A considerable portion of his work at college belongs, however, to what in European countries is called secondary education. A peculiarity of the American system of grading, both in secondary and in higher institutions, is the weight attached to the length of time spent under instruction, a degree being attainable by gradual accumulation of a specified number of "credits" (certificates of definite periods of time spent successfully under instruction), which thus largely replace the examinations used in other countries for testing the student's capacity at various intervals. The college graduate who aspires to the degree of M.A. (or M.S.) proceeds to the Graduate School of a University (the professional schools of law, medicine, etc., with few exceptions, admit undergraduates), and there pursues his studies, either general or, if aiming at a subsequent doctorate, specialized, for one year. The Ph.D. requirements are ordinarily "3 years of resident study, beyond the baccalaureate, the presentation of a thesis embodying the results of original research, and the passing of a comprehensive examination testing the candidate's knowledge of his chosen field of learning."

The Report points out that higher education in the U.S.A. is largely autonomous, there being no control by the Federal Government and little control by the political authorities of any State. Such standardization as has been effected has come through the voluntary efforts of groups of institutions having similar ideals and purposes. Conspicuous among these is the Association of American Universities. The Report recommends the admission to candidacy for the State Doctorate of any student holding the M.A. or M.S. degree of an institution belonging to the Assocn. of American Univs. who has specialized in the branch of learning chosen for the work for the doctorate, and proved to the satisfaction of the head of his department and of the Dean of the Graduate School of his Univ. his capacity for research; also candidates for the Ph.D. in one of those institutions who have completed 2 or more years of study for the Ph.D., and proved their capacity for research; also holders of a Ph.D. from one of those institutions. The institutions in question are starred (*) in the list given below. In other cases it is suggested that reference should be made to the Committee, 24-26 Jackson Place, Washington.

Below is given a list of 171 institutions approved by the Association of American Univs. This list has been adopted by most of the Univs. of the U.K. for the purpose of admission of graduates with a view to qualifying for the Ph.D. degree (v. p. 18). They may be classified as:

I. 34 Univs. of complex organization, usually with *graduate schools* and certain professional and technological schools. These are the 26

* Institutions starred are members of the Association of American Universities.

members of the Assocn., and Boston, New York, and Western Reserve and the Univs. of Cincinnati, Colorado, Pittsburgh, Texas, and Washington.

II. 17 *Technological Institutions*: Brooklyn Polyt. Inst., California Inst. Tech. (v. Supplementary list), Carnegie Institute of Technology, Case School of Applied Science, Clarkson School of Tech., Iowa State College, Lehigh Univ., Mass. Agr. College, Mass. Inst. Tech., Pennsylvania State College, Purdue Univ., Rensselaer Polyt. Inst., Rose Polyt. Inst., State College of Washington, Stevens Inst. Tech., Worcester Polyt. Inst., United States Military Academy, New York.

III. The remaining 121 *Colleges*: primarily organized with undergraduate curricula leading to the A.B. or B.S., in some cases with strong technological divisions, and occasionally a strong professional school.

Allegheny College, Meadville, Pa.; ‡Amherst College, Amherst, Mass.; †Barnard College, New York, N.Y.; Bates College, Lewiston, Me.; Beloit College, Beloit, Wis.; Boston University, Boston, Mass.; ‡Bowdoin College, Brunswick, Me.; ‡Brooklyn Polytechnic Institute, Brooklyn, N.Y.; Brown University, Providence, R.I.; §Bryn Mawr College, Bryn Mawr, Pa.; Carleton College, Northfield, Minn.; ‡Case School of Applied Science, Cleveland, Ohio; *Catholic University of America, Washington, D.C.; ‡Central University of Kentucky, Danville, Ky.; Clark College, Worcester, Mass.; ‡Clarkson School of Technology, Potsdam, N.Y.; *Clark University, Worcester, Mass.; Coe College, Cedar Rapids, Iowa; Colby College, Waterville, Me.; ‡Colgate University, Hamilton, N.Y.; ‡ †College of the City of New York, New York, N.Y.; †College of St. Catherine, St. Paul, Minn.; § †College of St. Elizabeth, Convent Station, N.J.; Colorado College, Colorado Springs, Colo.; *Columbia University, New York, N.Y.; Cornell College, Mt. Vernon, Iowa; *Cornell University, Ithaca, N.Y.; Dartmouth College, Hanover, N.H.; De Pauw University, Greencastle, Ind.; Dickinson College, Carlisle, Pa.; Drake University, Des Moines, Iowa; Drury College, Springfield, Mo.; Earlham College, Richmond, Ind.; §Elmira College, Elmira, N.Y.; ‡Fordham University, Fordham, N.Y.; Franklin College, Franklin, Ind.; Goucher College, Baltimore, Md.; Grinnell College, Grinnell, Iowa; ‡Hamilton College, Clinton, N.Y.; *Harvard University, Cambridge, Mass.; ‡Haverford College, Haverford, Pa.; Hobart College, Geneva, N.Y.; *Indiana University, Bloomington, Ind.; Iowa State College, Ames., Iowa; *Johns Hopkins University, Baltimore, Md.; ‡Kenyon College, Gambier, Ohio; Knox College, Galesburg, Ill.; ‡Lafayette College, Easton, Pa.; § †Lake Erie College, Painesville, Ohio; Lake Forest College, Lake Forest, Ill.; Lawrence College, Appleton, Wis.; Lehigh University, South Bethlehem, Pa.; *Leland Stanford Jr. University, Stanford University, Cal.; †Macalester College, St. Paul, Minn.; Marietta College, Marietta, Ohio; †Massachusetts Agricultural College, Amherst, Mass.; Massachusetts

* Institutions starred are members of the Association of American Universities.

† Added at the meeting of the Association in November of 1917.

‡ For men only. § For women only.

Institute of Technology, Boston, Mass.; Miami University, Oxford, Ohio; Middlebury College, Middlebury, Vt.; § †Mills College, Oakland, Cal.; § †Milwaukee-Downer College, Milwaukee, Wis.; Mount Holyoke College, South Hadley, Mass.; †Municipal University of Akron, Akron, Ohio; New York University, New York City; *Northwestern University, Evanston, Ill.; Oberlin College, Oberlin, Ohio; *Ohio State University, Columbus, Ohio; Ohio Wesleyan University, Delaware, Ohio; Pennsylvania State College, State College, Pa.; Pomona College, Claremont, Cal.; *Princeton University, Princeton, N.J.; Purdue University, Lafayette, Ind.; Radcliffe College, Cambridge, Mass.; § †Randolph-Macon Women's College, Lynchburg, Va.; Reed College, Portland, Oregon; ‡Rensselaer Polytechnic Institute, Troy, N.Y.; Ripon College, Ripon, Wis.; § †Rockford College, Rockford, Ill.; ‡Rose Polytechnic Institute, Terre Haute, Ind.; ‡Rutgers College, New Brunswick, N.J.; Smith College, Northampton, Mass.; State College of Washington, Pullman, Wash.; *State University of Iowa, Iowa City, Iowa; ‡Stevens Institute of Technology, Hoboken, N.J.; Swarthmore College, Swarthmore, Pa.; Syracuse University, Syracuse, N.Y.; Trinity College, Durham, N.C.; ‡Trinity College, Hartford, Conn.; †Trinity College, Washington, D.C.; Tufts College, Medford, Mass.; Tulane University, New Orleans, La.; ‡Union University, Schenectady, N.Y.; †University of Alabama, University, Ala.; *University of California, Berkeley, Cal.; *University of Chicago, Chicago, Ill.; University of Cincinnati, Cincinnati, Ohio; University of Colorado, Boulder, Colo.; ‡University of Georgia, Athens, Ga.; *University of Illinois, Urbana, Ill.; *University of Kansas, Lawrence, Kan.: University of Maine, Orono, Me.; *University of Michigan, Ann Arbor, Mich.; *University of Minnesota, Minneapolis, Minn.; *University of Missouri, Columbia, Mo.; *University of Nebraska, Lincoln, Neb.; *University of North Carolina, Chapel Hill, N.C.; University of North Dakota, University, N.D.; †University of Oklahoma, Norman, Okla.; University of Oregon, Eugene, Ore.; *University of Pennsylvania, Philadelphia, Pa.; University of Pittsburgh, Pittsburgh, Pa.; University of Rochester, Rochester, N.Y.; University of South Dakota, Vermillion, S.D.; ‡University of the South, Sewanee, Tenn.; University of Tennessee, Knoxville, Tenn.; University of Texas, Austin, Texas; University of Vermont, Burlington, Vt.; ‡ *University of Virginia, Charlottesville, Va.; University of Washington, Seattle, Wash.; †University of West Virginia, Morgantown, W.Va.; *University of Wisconsin, Madison, Wis.; University of Wooster, Wooster, Ohio; Vanderbilt University, Nashville, Tenn.; §Vassar College, Poughkeepsie, N.Y.; ‡Wabash College, Crawfordsville, Ind.; †Washburn College, Topeka, Kan.; ‡Washington and Jefferson College, Washington, Pa.; ‡ †Washington and Lee University, Lexington, Va.; *Washington University, St. Louis, Mo.; §Wellesley College, Wellesley, Mass.; §Wells College, Aurora, N.Y.; ‡Wesleyan University,

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Middletown, Conn.; Western Reserve University, Cleveland, Ohio; †Whitman College, Walla Walla, Wash.; ‡William Jewell College, Liberty, Mo.; ‡Williams College, Williamstown, Mass.; ‡Worcester Polytechnic Institute, Worcester, Mass.; *Yale University, New Haven, Conn.

Supplementary list of institutions admitted since Nov. 1917: Agnes Scott College, Decatur, Ga.; Alfred University, Alfred, N.Y.; Birmingham-Southern College, Birmingham, Ala.; California Institute of Technology, Pasadena, Cal.; Carthage College, Carthage, Ill.; College of St. Teresa, Winona, Minn.; Converse College, Spartanburg, S.C.; Davidson College, Davidson, N.C.; Denison University, Granville, Ohio; Hamline University, St. Paul, Minn.; Hunter College, New York, N.Y.; Illinois College, Jacksonville, Ill.; Illinois Woman's College, Jacksonville, Ill.; Morningside College, Sioux City, Iowa; New York State Teachers' College, Albany, New York; New Rochelle College, New Rochelle, New York; North-Western College, Naperville, Ill.; Occidental College, Los Angeles, Cal.; Park College, Parkville, Mo.; Sweet Briar College, Sweet Briar, Va.; University of Arkansas, Fayetteville, Ark.; University of Florida, Gainesville, Florida; University of Idaho, Moscow, Idaho; University of Kentucky, Lexington, Ky.; University of Maryland, College Park, Md.; University of Nevada, Reno, Nev.; University of Southern California, Los Angeles, Cal.; University of Utah, Salt Lake City, Utah; Western College for Women, Oxford, Idaho; Westminster College, New Wilmington, Penn.; Wheaton College, Norton, Mass.; William and Mary College, Williamsburg, Va.

The following particulars of the 26 institutions belonging to the Assocn. of American Univs. have been kindly supplied by the American University Union, British Division. All are co-educational, except C.U.A., Clark, Harvard, Princeton, Virginia, and Yale, and even these, except C.U.A. and Princeton, admit women for graduate work. Where not otherwise stated the Fees charged at Halls of Residence or dormitories are for rooms (with heating and light) without board. Fees payable on matriculation and on graduation have not been specified. They range between $5 and $30. Fuller information, including particulars of equipment and research funds, library facilities, and facilities for publication of research results, is given in *Opportunities for Study at American Graduate Schools*, Bulletin, 1921, No. 6, of the United States Bureau of Education. The American Council on Education has in hand the preparation of a *United States Universities Yearbook*.

CALIFORNIA, UNIVERSITY OF (founded 1868), Berkeley, Cal. (State Univ.). *President*: W. W. Campbell, Sc.D., LL.D. *Deans*: Graduate Division—C. B. Lipman, Ph.D.; Undergraduate Division—T. M. Putnam; College of Letters and Science—Monroe E. Deutsch; Agric. —E. D. Merrill; Mechanics—C. L. Cory, M.E., E.D.; Mining—F. H.

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Probert; Civil Engineering—C. Derleth, C.E.; Chemistry—G. N. Lewis, A.M., Ph.D.; Commerce—S. Daggett, A.M., Ph.D.; Education —W. W. Kemp, Ph.D.; Jurisprudence—O. K. McMurray; Medicine (actg.)—L. S. Schmitt, M.D.; Dentistry—G. S. Millberry. Director of School of Archit.—J. G. Howard; Division of Vocational Education —F. L. Griffen (actg.).; Cal. School of Fine Arts—E. S. Macky; Hasting Coll. of Law—W. M. Simmons; Pharmacy—F. T. Green.

Library: 500,000 vols. *Fees*: Tuition, $150 p.a.; Incidental, $50 p.a. *Living Expenses in Berkeley*: Board and lodging, $35 to $55 p.m. *Teaching Staff*: 1614. *Students*: 15,102; Undergraduates 8958, Law 291, Med. 289, Dent. 406, Teachers' College 260. *Summer Session* in all departments, 6 weeks, 7205 students; address, the Dean of the Summer Session.

CATHOLIC UNIVERSITY OF AMERICA (founded 1889), Washington, D.C. *Rector*: Rt. Rev. T. J. Shahan, S.T.D., J.U.L., LL.D. *Deans of Faculties*: Sacred Sciences—Very Rev. P. J. Healy, S.T.D.; Law— P. J. McLoughlin, J.D.; Philosophy—C. H. McCarthy, Ph.D.; Letters —P. J. Lennox, Litt.D.; Sciences—A. E. Landry, Ph.D.; President of Divinity Coll.—Very Rev. Y. F. Fenlon, S.S., S.T.D.

Library: 160,000 vols. *Fees* for tuition: $300 p.a. *Halls of Residence*: Board and room, $48 p.m. *Teaching Staff*: 99. *Students*: 2059; Sac. Sc. 19, Canon Law 18, Law 28, Philos. 224, Lett. 46, Sc. 183, Div. Coll. 1641. *Summer School* for Catholic women teachers, 6 weeks, 700 students, Registrar.

CHICAGO, UNIVERSITY OF (1891), Chicago, Ill. *President*: Max Mason, Ph.D. *Deans*: Graduate School of Arts and Lit.—G. J. Laing, Ph.D.; Ogden Graduate School of Science—H. G. Gale, Ph.D., Colleges of Arts, Lit., and Science—C. S. Boucher; University College —E. T. Filbey; Divinity School—S. Mathews; Law School—J. P. Hall; Medical Students—B. C. H. Harvey; Rush Medical College— E. E. Irons; School of Commerce and Admn.—W. H. Spencer; Graduate School of Social Service Admn.—Edith Abbott; College of Educn.—W. S. Gray; School of Educn. (Director)—C. H. Judd.

Libraries: 700,000 vols., 200,000 pamphlets. *Fees*: Tuition, $60 a quarter. *Halls of Residence*: $40 to $85 a quarter. Board not less than $7 a week. *Teaching Staff*: 666. *Students*: 13,890; Graduate Schools 3830, Colleges 3097, Univ. College 3438, Divinity 512, Medical 727, Law 438, Education 1491, Commerce 701, Grad. Sch. of Social Service Admn. 133. *Summer quarter* in all departments, 10 weeks; address, Examiner of the Univ.

CLARK (founded 1889), Worcester, Mass. *President*: Wallace W. Atwood. *Dean of the Collegiate Dept.*: H. P. Little.

Libraries: 113,000 vols., 500 journals. *Fees* for tuition: $150 p.a. *Halls of Residence*: $115 to $150 p.a. Furnished rooms near from $3 per week. Board from $7. *Teaching Staff*: 60. *Students*: 376; Graduate 71, Undergrad. 236, special 69. *Summer School*, chiefly Geography and History, 5 weeks, 142 students; Registrar.

COLUMBIA (founded 1754), New York City. *President*: Nicholas

Murray Butler, Ph.D., LL.D., D.Litt. *Deans of Faculties*: Pol. Sc., Philos., and Pure Sc.—F. J. E. Woodbridge, A.M., LL.D.; Applied Sc.—G. B. Pegram, Ph.D.; Law—H. W. Jervey, LL.B.; Medicine—W. Darrach, M.D.; Columbia College—H. E. Hawkes, Ph.D.; Barnard Coll.—Virginia C. Gildersleeve, Ph.D.; Teachers' Coll.—J. E. Russell, Ph.D., LL.D.; Coll. of Pharmacy—H. H. Rusby, M.D. Directors of Architecture—W. A. Boring; Journalism—J. W. Cunliffe; Business—J. C. Egbert.

Libraries: 1,025,000 vols. *Fees*: Tuition, $300 p.a. *Halls of Residence*: $135 to $215 p.a. *Teaching Staff*: 1906. *Students*: 24,320; undergraduate 3083, graduate 2264, Law 710, Med. 406, Appl. Sc. 209, Archit. 82, Journalism 156, Bus. 380, Dent. 379, Teachers' College 4899, Pharm. 852. *Summer Session* in all depts., 5 weeks, 12,916 students; Director, J. J. Coss, A.M.

The "International Institute," established in 1923 with the aid of an annual contribution of $100,000 for ten years from the International Education Board (founded by John D. Rockefeller, 1923), is an integral part of Teachers' College which had in that year some 250 foreign students and over 100 Americans who held posts as teachers in other countries. The Institute's work comprises: (*a*) Presentation of general view of American educational system and its adaptation to foreign situations and problems; (*b*) visitation of American Schools for study of conditions and procedure; (*c*) investigation of educational conditions in foreign countries; (*d*) instruction in American ideals and institutions as a basis for understanding American education; (*e*) publication of *International Education Year-Book* dealing with progress of educn. in various countries each year and completing once in 5 years an account of every country in the world.

CORNELL (founded 1868), Ithaca, N.Y. *President*: Livingston Farrand, M.D., LL.D. *Deans of Colleges*: Arts and Science—R. M. Ogden; Medical—W. L. Niles, M.D.; Agric.—A. R. Mann, A.M.; Archit.—F. H. Bosworth; Engin.—D. S. Kimball, M.E.; Graduate School—R. R. H. Keniston, Ph.D., LL.D.; Faculty of Law—G. G. Bogert; Veterinary—V. A. Moore.

Libraries: 710,000 vols. and pamphlets. Over 2000 current periodicals received. *Fees* for tuition: Coll. of Arts and Sc., $250 p.a.; Graduate School, $75 p.a. *Teaching Staff*: 960. *Students*: 5588; Graduate 544, Arts and Sc. 1919, Law 113, Eng. 1355, Archit. 181, Med. 274, Vet. 87, Agr. 1221. *Summer Session* in all depts., 6 weeks, 2229 students; Registrar.

HARVARD (founded 1638), Cambridge, Mass. *President*: Abbott Lawrence Lowell, LL.D. *Deans*: Faculty of Arts and Sc.—Le Baron R. Briggs, LL.D., Litt.D.; Graduate School of Arts and Science—J. L. Lowes, Ph.D.; Harvard College—C. N. Greenough, Ph.D.; Special Students (in charge of Univ. Extension)—A. F. Whittem, Ph.D.; Engineering Sch.—H. J. Hughes; Faculty of Archit.—G. H. Edgell, Ph.D.; Graduate Sch. of Business Admn.—W. B. Donham, LL.B.; Bussey Institn.—W. M. Wheeler, Ph.D.; Theological School—W. L. Sperry, D.D.; Faculty of Law—Roscoe Pound, Ph.D., LL.D.;

Graduate Sch. of Educn.—H. W. Holmes: Medical Sch.—D. L. Edsall, M.D.; Dental Sch.—L. M. S. Miner.

Libraries: College, 1,401,600 vols. and pamphlets; Departmental, 2,322,400. *Fees*: Tuition, $300 p.a. *Halls of Residence*: $50 to $200 p.a. Board, $240 to $350 p.a. *Teaching Staff*: 1088. *Students*: 7075; Arts and Sc. 3794, Eng. 258, Div. 74; Law 1201, Med. 506, Dent. 205, Busi. 614, Archit. 89, Ed. 272, Bussey Inst. (Applied Biology) 25, Pub. Health 30. *Summer Session* in all depts., 6 weeks, 2686 students; Director.

ILLINOIS, UNIVERSITY OF (founded 1868), Urbana, Ill. (State Univ.). *President*: David Kinley, Ph.D., LL.D. *Deans of Colleges*: Liberal Art and Sc.—K. C. Babcock, B.Lit., Ph.D., LL.D.; Commerce and Business Admn.—C. M. Thompson, Ph.D., LL.D.; Engineering—M. S. Ketchum, C.E.; Agric.—H. W. Mumford, B.S.; Law—A. J. Harno, B.S., LL.B.; Graduate School—A. H. Daniels, Ph.D.; Education—C. E. Chadsey, Ph.D.; Medicine—D. J. Davis, M.D.; Dentistry—F. B. Moorehead, D.D.S., M.D.; School of Pharmacy—W. B. Day, Ph.G.; Sch. of Music (Director)—F. B. Stiven, B.Mus., A.A.G.O.; Library School (Dir.)—P. L. Windsor, Ph.B.; Railway Engin. and Admn.—M. S. Ketchum, C.E. (Dir.).

Library: 655,139 vols., 87,200 pamphlets. *Fees* for tuition: $75 p.a. *Halls of Residence*: $108 to $180 p.a. (single rooms); $81 to $150 (double). Board, $260 to 360 p.a. *Teaching Staff*: 1313. *Students*: 13,399; Arts and Sc. 4145, Com. 2146, Ed. 920, Eng. 1621, Agr. 673, Law 281, Grad. 766, Med. 492, Dent. 150, Phm. 487. *Summer Session* in all depts., 8 weeks, 2412 students; Director.

INDIANA (founded 1820), Bloomington, Ind. (State Univ.). *President*: Wm. Lowe Bryan, Ph.D., LL.D. *Deans of Schools*: Graduate School—C. H. Eigenmann, Ph.D.; Medicine—C. P. Emerson, M.D.; Education—H. Lester Smith, Ph.D.; Law—Paul V. McNutt, LL.B.; Commerce and Finance—W. A. Rawles, Ph.D.; Music—B. W. Merrill; College of Arts and Sc.—S. E. Stout, Ph.D., and D. A. Rothrock, Ph.D.; Dentistry—F. R. Henshaw, D.D.S., F.A.C.D.

Library: 176,000 vols. *Fees*: $47.50 a semester. *Living Expenses* in Bloomington, per week: Room, $2 to $5; Board, $5 to $7. *Teaching Staff*: 226. *Students*: 5643; graduate 340, Med. 350, Ed. 380, Law 120, College 3916. *Summer Session* in all depts., 9 weeks; Director.

IOWA, STATE UNIV. OF (founded 1855), Iowa City. *President*: W. A. Jessup, Ph.D. *Deans of Colleges*: Liberal Arts—G. F. Kay, Ph.D.; Law—H. C. Jones, S.J.D.; Medicine—L. W. Dean, M.S., M.D., F.A.C.S.; Dentistry—F. T. Breene, D.D.S., M.D.; Pharmacy—W. J. Teeters, M.S., Ph.C.; Graduate College—C. E. Seashore, Ph.D.; Applied Sc.—W. G. Raymond, C.E., LL.D., Eng.D.; Education—P. C. Packer, Ph.D.; Commerce—C. A. Phillips, Ph.D. Acting Superintendent, School of Nursing—Lois B. Corder, R.N. Director, School of Public Health Nursing—Helen F. Boyd, R.N. Director, School of Journalism—C. H. Weller, Ph.D. Director, School of Music—P. G. Clapp, Ph.D.

Library: 358,000 vols. *Fees* for tuition, $130 p.a. *Halls of Residence*: $140 to $150 (single rooms); $90 to $100 (double). Board, $6 per week. *Teaching Staff*: 500. *Students*: 6550; Grad. 554, Lib. Arts 3347, Com. 236, Law 207, Med. 413, Dent. 221, Phm. 123, App. Sc. 334, Nurs. 266, Music 214. *Summer Session* in all depts., 11 weeks, 3185 students; address, Registrar.

JOHNS HOPKINS (founded 1876), Baltimore, Maryland. *President*: Frank Johnson Goodnow, LL.D. *Deans of Faculties*: Medical—L. H. Weed, M.D.; Engin.—J. B. Whitehead, Ph.D.; College—J. S. Ames, LL.D.; Dir., College Courses for Teachers—E. F. Buchner, Ph.D.; Dir., Hygiene and Pub. Health—W. H. Welch, M.D. Walter Hines Page *School of International Relations* (Fundamental Bases, History, Law, Practice and Procedure, Organizations).

Libraries: 266,637 vols. *Fees* for tuition: Undergraduate, $400 p.a.; Graduate, $150 p.a. *Halls of Residence*: Board and room, $420 to $560 p.a. *Teaching Staff*: 394. *Students*: 3822; Arts and Sc. grad. 349, College 456, Med. 494, Hyg. 134, Eng. 274, Teachers 1236, Business Economics, 66. *Summer Session* in all depts., 5 weeks, 812 students; Director.

KANSAS, UNIV. OF (1866), Lawrence, Kansas (State Univ.). *Chancellor*: E. H. Lindley, Ph.D. *Deans of Schools*: Graduate School—E. B. Stouffer, Ph.D.; Sch. of Engineering—P. F. Walker, M.M.E.; Law—H. W. Arant, LL.B.; Fine Arts—D. M. Swarthout; Pharmacy—L. D. Havenhill (actg.); Medicine—H. R. Wahl, M.D. (actg.); Education—R. A. Schwegler (actg.); College of Liberal Arts and Sc.—J. G. Brandt, Ph.D.; Business—F. R. Stockton, Ph.D.

Library: 175,687 vols., 1500 periodicals. *Fees*: Incidental, $45 p.a. *Living Expenses* in Lawrence (average): room, $10 p.m. Board, $6.50 per week. *Teaching Staff*: 262. *Students*: 4540; Grad. 289, Coll. 3076, Eng. 629, Art 508, Law 149, Phm. 108, Med. 235, Ed. 699. Business, 191. *Summer Session* in all depts., 10 weeks, 1575 students; Director.

MICHIGAN, UNIV. OF (1837), Ann Arbor, Mich. (State Univ.). *President*: C. C. Little, Sc.D. *Deans*: Coll. of Lit., Sc., and Arts—J. R. Effinger, Ph.D.; Colls. of Engin. and Archit.—M. E. Cooley, LL.D.; Medical Sch.—H. Cabot, M.D.; Law School—H. M. Bates, Ph.B.; College of Pharmacy—E. H. Kraus, Ph.D., Sc.D.; Coll. of Dental Surgery—M. L. Ward, D.D.Sc.; Sch. of Educn.—A. S. Whitney, LL.D.; Graduate Sch.—A. H. Lloyd, Ph.D.; Bus. Admn.—E. E. Day, Ph.D.

Libraries: 596,614 vols., 2757 periodicals. *Fees* for tuition: men, $110; women, $105 p.a. *Teaching Staff*: 633. *Students*: 10,432; Sc. and Arts 6010, Eng. 1716, Med. 536, Law 541, Phm. 85, Dent. 358, Ed. 483, Grad. 758; Tr. Sch. for Nurses 190. *Summer Session* in all depts., 7 weeks, 3147 students; Secretary.

MINNESOTA, UNIV. OF (1868), Minneapolis, Minn. (State Univ.). *President*: L. D. Coffman, Ph.D. *Deans*: College of Sc., Lit., and Arts—J. B. Johnson, Ph.D.; Coll. of Engin. and Archit. and Sch. of

Chem.—O. M. Leland, B.S., C.E.; Dept. of Agric.—W. C. Coffey, M.S.; Coll. of Agric., Forestry, and Home Econ.—E. M. Freeman, Ph.D.; Law Sch.—E. Fraser, LL.B.; Medical Sch.—E. P. Lyon, Ph.D., M.D.; Coll. of Dentistry—A. Owre, M.D., C.M., D.M.D.; Sch. of Mines—W. R. Appleby, M.A.; Coll. of Pharmacy—F. J. Wulling, Phm.D., LL.M.; Coll. of Educn.—M. E. Haggerty, Ph.D.; Graduate Sch.—G. S. Ford, Ph.D.; Sch. of Business—G. W. Dowrie, Ph.D.

Library: 395,000 vols. *Fees* per quarter for tuition: Coll. of Sc., Lit., and Arts, $30; Graduate Sch., $10. *Living Expenses* in Minneapolis: Rooms, $9 to $15 p.m. (double); $12 to $18 (single). Board, $5 to $8 per week. *Teaching Staff*: 951. *Students*: 10,034; Arts and Sc. 4059, Eng. 1300, Ag. etc. 798, Law 280, Med. 514, Dent. 404, Mines 103, Phm. 141, Ed. 1411, Grad. 947, Bus. 284. *Summer Session* in all depts., 11 weeks, 4563.

Missouri, Univ. of (1839), Columbia, Mo. (State Univ.). *President*: S. D. Brooks, LL.D. *Deans*: Arts and Sc.—F. M. Tisdel; Educn.—M. G. Neale, Ph.D.; Business and Public Admn.—F. A. Middlebush, Ph.D.; Law—J. P. McBaine, LL.B.; Engineering—E. J. McCaustland, C.E., M.C.E.; Graduate Faculty—W. Miller, LL.D.; Agric.—F. B. Mumford, B.S., M.S.; Medicine—G. L. Noyes, M.D.; Journalism—W. Williams, LL.D.; Director of Sch. of Mines and Metallurgy—C. H. Fulton, E. M., D.Sc.; Fine Arts—J. T. Quarles.

Library: 231,366 vols., 25,000 pamphlets, 2942 periodicals. *Fees* for tuition, $10 per term. Graduate work only in Graduate school free. Incidental Fee, $30 per term. *Living Expenses* in Columbia: Board, $7 per week. Room, $36 to $50 per semester. *Teaching Staff*: 289. *Students*: 5812; Agr. 463, Arts and Sc. 2268, Bus. 186, Ed. 1174, Eng. 438, Grad. 654, Journ. 267, Law 116, Med. 78, Min. 402. *Summer Session* in all depts., 8 weeks, 1650 students; Director.

Nebraska, Univ. of (1869), Lincoln, Neb. (State Univ.). *Chancellor*: S. Avery, Ph.D., LL.D.; *Deans of Colleges*: The Graduate Coll.—L. A. Sherman, Ph.D., LL.D.; Agric.—E. A. Burnett, D.Sc.; Medicine—J. J. Keegan, M.D.; Pharmacy—R. A. Lyman, A.M., M.D.; Engin.—O. J. Ferguson, M.E.E.; Arts and Sc.—H. G. James, Ph.D.; Business Admn.—J. E. Le Rossignol, Ph.D.; Dentistry—G. A. Grubb, D.D.S.; Law—H. H. Foster, LL.B.; Teachers' College—W. E. Scalock, Ph.D.; Director of Sch. of Fine Arts—P. H. Grummann, A.M.; of Nursing—Charlotte Burgess; of Journalism—...; Prin. of Sch. of Agric.—H. E. Bradford, A.M.

Library: 201,590 vols. *Fees*: Incidental Fee, $5 per semester. Tuition, $30 p.a. *Living Expenses* in Lincoln: Rooms, $8 to $15 p.m. Board, $6 per week. *Teaching Staff*: 337. *Students*: 9896; Grad. 787, Agr. 487, Arts and Sc. 3134, Art 519, Jour. 135, Bus. 908, Dent. 90, Eng. 702, Law 194, Med. 305, Nurs. 61, Phm. 195, Teachers 3233. *Summer Session* in all depts., 12 weeks.

North Carolina, Univ. of (founded in 1789), Chapel Hill, N.C. *President*: H. W. Chase, Ph.D., LL.D. *Deans*: College of Liberal Arts—J. F. Royster, Ph.D.; Schools of Applied Science—A. H. Patterson, A.M.; Education—N. W. Walker, Ed.M. (acting); Com-

merce—C. T. Murchison, Ph.D. (actg.), M.A.; Law—M. L. Ferson, LL.B.; Med.—I. H. Manning, M.D.; Pharmacy—E. V. Howell, A.B., Ph.G.; Engineering—G. M. Braune, C.E.; Graduate School—E. Greenlaw, Ph.D. Director of School of Public Welfare—H. W. Odum, Ph.D.

Libraries: 139,800 vols., 1005 current periodicals. *Fees*: Tuition, $20 per quarter; Matriculation, $12 per quarter. *Halls of Residence*, $5 to $9.50 a month. Board, $22 a month. *Teaching Staff*: 135. *Students*: 2359; Grad. 108, Undergrad. 1843, Law 129, Med. 71, Phm. 108. *Summer School* in all depts., 12 weeks, 1492 students; Director.

NORTHWESTERN (founded 1855), Evanston, Ill. *President*: Walter Dill Scott, Ph.D., LL.D. *Deans of Schools*: Graduate School—J. A. James, Ph.D., LL.D.; Medical—I. S. Cutter, M.D., Sc.D.; Law—J. H. Wigmore, M.A., LL.B., LL.D.; Dental—A. D. Black, M.A., M.D., D.D.S., D.Sc.; Music—P. C. Lutkin, Mus.D., A.G.O.; Commerce—R. E. Heilman, Ph.D.; Speech—C. De Witt Hardy, M.A. (actg.); College of Liberal Arts—R. A. Kent, Ph.D.; Coll. of Engineering (Director)—W. C. Bauer, B.S., Sc.D. (actg.); Medill School of Journalism (Dir.)—H. F. Harington, M.A.

Library: 158,344 vols.; 124,531 pamphlets. *Fees* for tuition: Undergraduate, $125 per semester; Graduate not more than $125 p.a. *Halls of Residence*: $140 to $200 p.a. *Teaching Staff*: 702. *Students*: 9210; Lib. Arts 2220, Grad. 441, Med. 530, Law 246, Eng. 205, Dent. 242, Mus. 407, Com. 4504, Jour. 355, Speech 288. *Summer Session* in all depts., 8 weeks, 1323 students; Director.

OHIO STATE UNIV. (founded 1870), Columbus, Ohio. *President*: G. W. Rightmire (actg.). *Deans of Colleges*: Agriculture—A. Vivian, Ph.G.; Arts, Philos., and Sc.—W. E. Henderson, A.M., Ph.D.; Commerce and Journalism—J. E. Hagerty, Ph.D.; Education—G. F. Arps, A.M., Ph.D.; Engineering—E. A. Hitchcock; Graduate School—W. McPherson, M.Sc., D.Sc., Ph.D.; Dent.—H. M. Semans; Law—John J. Adams; Med.—E. F. McCampbell; Pharm.—C. A. Dye; Vet. Med.—D. S. White.

Library: 275,000 vols. *Fees* for tuition: $35 per quarter; Incidental, $15 per quarter. *Living Expenses*: Furnished rooms, $10 to $15 p.m. Board, $6.50 to $8 per week. *Teaching Staff*: 569. *Students*: 8583; Grad. 488, Agr. 1063, Arts 2999, Com., etc. 608, Dent. 173, Ed. 1004, Eng. 1408, Law 238, Med. 313, Phm. 281, Vet. 83. *Summer Quarter* in all depts., 10 weeks, 1953 students.

PENNSYLVANIA, UNIVERSITY OF (founded 1740), Philadelphia, Pa. *Provost*: J. H. Penniman, Ph.D., LL.D. *Deans of Faculties*: College—R. B. Burke, A.M.; Towne Scientific Sch.—J. Frazer, Ph.D.; Wharton Sch.—E. R. Johnson, Ph.D., Sc.D.; Educn.—J. H. Minnick, Ph.D.; Fine Arts—W. P. Laird, Sc.D.; Graduate Sch.—H. V. Ames, Ph.D.; Medicine—W. Pepper, M.D.; Law—W. E. Mikell, LL.D.; Dentistry—C. R. Turner, M.D.; Vet. Med.—L. A. Klein, V.M.D.; Graduate Sch. of Med.—G. H. Meeker, Ph.D., LL.D.; Elec. Engin.—H. Pender, Ph.D.

Libraries: 600,000 vols., 60,000 pamphlets. *Fees* for tuition:

College $400, Graduate $250. *Halls of Residence*: Board and lodging from $380 p.a. *Teachers*: 1281. *Students*: 16,227; College 1590, Educn. 1505, Towne 166, El. Eng. 93, Wharton (Commerce) 2723. Art 375, Teachers courses 1184, Grad. 1392, Law 341, Med. 592, Dent, 583, Vet. 58. *Summer School* in nearly all depts., 6 weeks, 2230 students; Director—Eve. Sch. of Finance and Com. 2373; Extension 2001.

PRINCETON (founded in 1747), Princeton, N.J. *President*: J. G. Hibben, Ph.D., LL.D., Litt.D. *Deans*: Graduate School—A. F. West, Ph.D., LL.D.; Depts. of Science—H. B. Fine, Ph.D., LL.D.; Faculty—W. F. Magie, Ph.D., LL.D.; College—H. McClenahan, LL.D.; Sch. of Engin.—A. M. Greene, D.Sc.

Libraries: 587,106 vols., 116,000 periodicals and pamphlets. *Fees* for tuition: $400. *Halls of Residence*: $165 to $330 p.a. Board, $288 p.a. *Teachers*: 234. *Students*: 2373; Grad. 195, Undergrad. 2084.

STANFORD (founded 1891), California. *President*: Ray Lyman Wilbur. *Deans*: School of Educn.—E. P. Cubberley; Law Sch.—M. R. Kirkwood; Sch. of Medicine—W. Ophuls; Graduate Study—E. C. Franklin; Graduate School of Business—W. E. Hotchkiss; Engineering—T. J. Hoover.

Libraries: 390,000 vols. *Fees* per quarter for tuition: Undergraduate, $85; Graduate, $85. *Halls of Residence*: $18.50 to $36 per quarter. Board, $30. *Teaching Staff*: 461. *Students*: 4210; Grad. 1195, Undergrad. 2992. *Summer Quarter* in all depts., 10 weeks, 936 students; Registrar.

UNIVERSITY OF VIRGINIA (founded in 1819), Charlottesville, Va. (State Univ.). *President*: E. A. Alderman, D.C.L., LL.D. *Deans of Departments*: Univ. and College—J. M. Page, Ph.D., LL.D.; Graduate Studies—J. C. Metcalf, Litt.D., LL.D.; Law—W. M. Lile, LL.D.; Med.—J. C. Flippin, M.D. (actg.); Engin.—J. L. Newcomb, C.E.; Educn.—J. L. Manahan, Ph.D.

Libraries: 90,000 vols. *Fees* per annum: University, $60; tuition, $190. *Halls of Residence*: $50 to $180 p.a. Board, $200 to $300 p.a. *Teaching Staff*: 260. *Students*: 2151; College 1196, Grad. 244, Ed. 85, Eng. 123, Law 262, Med. 241. *Summer Quarter* in all depts., 11 weeks, 2212 students; Dean.

WASHINGTON UNIVERSITY (founded in 1853), St. Louis, Missouri. *Chancellor*: H. Spencer Hadley, LL.D. Dean of the College of Liberal Arts—G. O. James, Ph.D.; Schools of Engin. and Archit.—W. E. McCourt, A.M.; Business and Public Administration—I. Loeb, Ph.D.; Henry Shaw School of Botany—G. T. Moore, Ph.D., Engelmann, Prof.; Graduate Studies—Otto Heller, Ph.D.; Dean of the School of Law—R. L. Goode, LL.D.; of Med.—McKim Marriott, M.D.; of Dent.—W. M. Bartlett, D.D.S.; Director of School of Fine Arts—E. H. Wuerpel.

Library: 246,144 vols., 90,816 pamphlets. *Fees*: Tuition, $225 a year in the Coll. of Liberal Arts; $100 a year in the School of Graduate Studies. *Halls of Residence*: $30 to $75 a quarter. Board not less

than $7 a week. *Teaching Staff*: 506. *Students*: 5885; College 1412, Eng. 355, Archit. 85, Com. and Fin. 250, Graduate 113, Law 203, Med. 482, Dent. 52, Fine Arts 466, Univ. Extension 2300. No *Summer School.*

WISCONSIN, UNIV. OF (1849), Madison, Wis. (State Univ.). *President*: Glenn Frank, Litt.D. *Deans of Colleges*: Letters and Sc.—G. C. Sellery, Ph.D., LL.D.; Engineering—F. E. Turneaure, C.E., Dr.Engr.; Agric.—H. L. Russell, Ph.D.; Law School—H. S. Richards, Ph.B., LL.B., LL.D.; Medical Sch.—C. R. Bardeen, M.D.; Graduate Sch.—C. S. Slichter, Sc.D.

Library: 735,000 vols., 376,000 pamphlets. *Fees* per semester: for tuition, $62; Incidental, $15.50. *Living Expenses* in Madison: Room, $4 to $6 a week (single), $3 to $5 (double). Board, $6.50 to $9 a week. *Teaching Staff*: 1093. *Students*: 8142; Grad. School of Arts and Sc. 885, Coll. of Eng. 1080, Agr. 747, Med. 167, Law 240. Undergrads. in Arts and Sc. 5942. *Summer Session* in all depts., 6 weeks, 3466 students; Director.

YALE (founded 1701), New Haven, Conn. *President*: J. R. Angell, Litt.D., LL.D. *Deans of Schools*: Graduate School—W. L. Cross, Ph.D., Litt.D.; Med.—M. C. Winternitz, M.D.; Divinity—Rev. C. R. Brown, LL.D.; Law—T. W. Swan, M.A.; Fine Arts—E. V. Meeks, A.D.G.F., M.A.; Music—D. S. Smith, Mus.D.; Forestry—H. S. Graves, LL.D.; Yale College—C. W. Mendell, Ph.D.; Sheffield Scientific School—C. H. Warren, Ph.D.

Libraries: 1,700,000 vols., 11,000 periodicals. *Fees* for tuition: Undergraduate, $350; Graduate, $200 p.a. *Halls of Residence*: $110 to $330 p.a. Board, $8.50 per week. *Teaching Staff*: 1003. *Students*: 5294; Grad. 994, College 1464, Sheff. 724, Med. 201, Div. 240, Law 412, Mus. 123, For. 39, Fine Arts 285. *Summer Session* in Law, Forestry, and Engin. Fieldwork, 10 weeks.

XXVI

[This Appendix can be obtained in pamphlet form from the Universities Bureau, free of charge.]

PROFESSIONAL SCHOOLS, SPECIALIST STUDIES, AND POST-GRADUATION COURSES IN THE UNIVERSITIES AND UNIVERSITY COLLEGES OF GREAT BRITAIN AND IRELAND

PREFATORY NOTE

THE Universities, collectively, make provision for the advancement of all branches of knowledge. Of their several fields of study the greater part is common ground, yet each of them has its special plots which it cultivates, in some cases with a view to the needs of the province which it serves, in others because it has been agreed, or arranged, that it shall undertake work for which there is but a limited demand.

The statements which follow indicate the respects in which the Universities, individually, specialize, *i.e.* undertake work which is not common to them all. The term "school" is applied to correlated courses of study for a particular profession. "Specialist courses" are courses of study in special subjects for which provision is not generally made.

For further information application should be made to the Registrars or Secretaries (Birmingham, London Colleges and Schools, Aberdeen, Edinburgh, St. Andrews, Belfast) of the several Universities and Colleges.

DISTRIBUTION OF GROUPS OF SUBJECTS

SCHOOLS OF THEOLOGY

CAMBRIDGE; DURHAM; LONDON, [New and Hackney Coll., Hampstead (Congregational), Regent's Park Coll. (Baptist), King's Coll. Theological Department (Church of England), Wesleyan Coll., Richmond, St. John's Hall, Highbury (Church of England)]; MANCHESTER; OXFORD; WALES, [Univ. Coll., Bangor, The Associated Theological Colls.]. ABERDEEN; EDINBURGH; GLASGOW; ST. ANDREWS. TRINITY COLLEGE, UNIV. OF DUBLIN.

SCHOOLS OF LAW

BIRMINGHAM; CAMBRIDGE; LEEDS; LIVERPOOL; LONDON, [University Coll., King's Coll. and the School of Economics, jointly]; MANCHESTER; OXFORD; SHEFFIELD; WALES, [Univ. Coll., Aberystwyth]. ABERDEEN; EDINBURGH; GLASGOW. BELFAST; TRINITY COLLEGE, UNIV. OF DUBLIN; NATIONAL OF IRELAND, [Univ. Colls. of Dublin, Cork, and Galway].

Courses in Law meeting the requirements of the Solicitors Act, 1922, are provided by all Univs. and Colls. in England and Wales, with the exception of University of Reading.

SCHOOLS OF MEDICINE

BIRMINGHAM; BRISTOL; CAMBRIDGE; DURHAM, [College of Medicine, Newcastle]; LEEDS; LIVERPOOL; LONDON, [St. Bartholomew's Hospl., St. Thomas's Hospl., Westminster Hospl., Guy's Hospl., St. George's Hospl., London Hospl., Middlesex Hospl., Charing Cross Hospl., London (Royal Free Hospl.) Sch. of Med. for Women, University Coll. and University Coll. Hospl., King's Coll. and King's Coll. Hospl., St. Mary's Hospl., London School of Tropical Med., Lister Institute of Preventive Med., Bethlem Royal Hospl. (Mental), Maudsley Hospl. (Mental), Royal Army Medical Coll., Royal Naval Coll. (Greenwich)]; MANCHESTER; OXFORD; SHEFFIELD; WALES, [Welsh National School of Med., Cardiff]. ABERDEEN; EDINBURGH; GLASGOW; ST. ANDREWS. BELFAST; TRINITY COLLEGE, UNIV. OF DUBLIN; NATIONAL OF IRELAND, [Univ. Colls. of Dublin, Cork, and Galway].

SCHOOLS OF DENTAL SCIENCE

BIRMINGHAM; BRISTOL; DURHAM, [College of Medicine, Newcastle, and Newcastle Dental Hospl.]; LEEDS; LIVERPOOL; LONDON, [St. Bartholomew's Hospl., Westminster Hospl., Guy's Hospl., St. George's Hospl., London Hospl., Middlesex Hospl., Charing Cross Hospl., King's Coll. and King's Coll. Hospl., St. Mary's Hospl., London School of Dental Surgery, University Coll. Medical School, Dental Department]; MANCHESTER; SHEFFIELD. BELFAST; TRINITY COLLEGE, UNIV. OF DUBLIN; NATIONAL OF IRELAND, [Univ. Colls. of Dublin and Cork].

SCHOOLS OF VETERINARY SCIENCE

LIVERPOOL; LONDON, [Royal Veterinary Coll.]. EDINBURGH, [Royal (Dick) Veterinary Coll.].

SCHOOL OF PHARMACY

GLASGOW, [Royal Technical Coll.]; LONDON, [School of Pharmacy]; MANCHESTER; Univ. Coll., Exeter; Univ. Coll., Nottingham.

SCHOOLS OF MUSIC

BIRMINGHAM; CAMBRIDGE; LONDON, [Royal Academy, Royal College, Trinity College]; MANCHESTER, [Royal Manchester Coll. of Music]; OXFORD; READING; WALES, [Univ. Colls. of Aberystwyth, Bangor, and Cardiff]; Univ. Colls., Exeter and Nottingham; Univ. Coll., Southampton. EDINBURGH. TRINITY COLLEGE, UNIV. OF DUBLIN; NATIONAL OF IRELAND, [Univ. Colls. of Dublin and Cork].

SCHOOLS OF ART

DURHAM, [Armstrong Coll.]; LONDON, [University Coll.—Slade School, Goldsmiths' Coll.]; READING. ABERDEEN; EDINBURGH.

Art of the Theatre. LONDON, [East London Coll.].

Civic Art and Design, and Town Planning. BIRMINGHAM; LIVERPOOL; LONDON, [University Coll.—Bartlett School]; SHEFFIELD.

Arts and Crafts. READING; WALES, [Univ. Coll., Aberystwyth].

SCHOOLS OF ARCHITECTURE

CAMBRIDGE; DURHAM, [Armstrong Coll.]; LIVERPOOL; LONDON, [Univ. Coll.—Bartlett School]; MANCHESTER; SHEFFIELD. GLASGOW, [Roy. Tech. Coll.]. BELFAST, [Municipal Coll. of Technology]; NATIONAL OF IRELAND, [Univ. Coll., Dublin, and Cork].

Naval Architecture and Marine Engineering. DURHAM, [Armstrong College]; LIVERPOOL. GLASGOW. BELFAST.

SCHOOL OF JOURNALISM

LONDON, [University Coll., King's Coll., Bedford Coll., and School of Economics, jointly].

SCHOOL OF LIBRARIANSHIP

LONDON, [University Coll.].

SCHOOLS OF COMMERCIAL SCIENCE

BIRMINGHAM; DURHAM, [Armstrong Coll.]; LEEDS; LIVERPOOL; LONDON, [School of Economics]; MANCHESTER; READING; Univ. Coll., Nottingham; Univ. Coll., Southampton. ABERDEEN; EDINBURGH. BELFAST; TRINITY COLL., UNIV. OF DUBLIN; NATIONAL OF IRELAND, [Univ. Colls of Dublin, Cork, and Galway].

SCHOOLS OF ENGINEERING (v. also Schools of Architecture)

All English Universities; WALES, [Univ. Colls. of Cardiff and Swansea]; Univ. Colls. of Nottingham and Southampton. ABERDEEN; EDINBURGH; GLASGOW, [Univ. and Roy. Tech. Coll.]; ST. ANDREWS, [Univ. Coll., Dundee]. BELFAST, [Municipal Coll. of Technology]; TRINITY COLLEGE, UNIV. OF DUBLIN; NATIONAL OF IRELAND, [Univ. Colls. of Dublin, Cork, and Galway].

SCHOOLS OF METALLURGY

BIRMINGHAM; CAMBRIDGE; DURHAM, [Armstrong Coll.]; LEEDS; LIVERPOOL; LONDON, [Imperial Coll.]; MANCHESTER; SHEFFIELD (*including Non-ferrous Metals*); WALES, [Univ. Colls. of Cardiff and Swansea]. GLASGOW, [Royal Technical Coll.].

SCHOOLS OF MINING

BIRMINGHAM; DURHAM, [Armstrong Coll.]; LEEDS; LONDON, [Imperial Coll.]; MANCHESTER; SHEFFIELD; WALES, [Univ. Coll., Cardiff]; Univ. Coll., Nottingham. EDINBURGH, [Heriot-Watt Coll.]; GLASGOW, [Royal Technical Coll.].

Mining and Technology of Petroleum. BIRMINGHAM; LONDON, [Imperial Coll.].

Mining Geology. LONDON, [Imperial Coll.]. GLASGOW.

SCHOOLS OF AGRICULTURE, FORESTRY, HORTICULTURE, AND ESTATE MANAGEMENT

BRISTOL, [Royal Agric. Coll., Cirencester and National Fruit and Cider Institute, Long Ashton]; CAMBRIDGE; DURHAM, [Armstrong Coll.]; LEEDS; LONDON, [Rothamsted (Lawes Agricultural Trust), South-Eastern Agricultural Coll., Wye]; OXFORD; READING; WALES, [Univ. Colls. of Aberystwyth and Bangor]; Univ. Coll., Nottingham, [in conjunction with Midland Agric. Coll.]. ABERDEEN; EDINBURGH; GLASGOW, [West of Scotland Agricultural Coll.]. BELFAST; TRINITY COLLEGE, UNIV. OF DUBLIN; NATIONAL UNIVERSITY OF IRELAND, [Univ. Coll., Dublin].

Tropical Agriculture. CAMBRIDGE.

Forestry. CAMBRIDGE; OXFORD; WALES, [Univ. Coll., Bangor]. ABERDEEN; EDINBURGH. NATIONAL UNIVERSITY OF IRELAND [Dublin].

Horticulture. CAMBRIDGE; READING. NATIONAL UNIVERSITY OF IRELAND [Dublin and Cork].

Dairying. Univ. Coll., Nottingham; READING. GLASGOW, [W. of Scotland Agric. Coll.]

SCHOOLS OF EDUCATION AND TRAINING COLLEGES

All Universities and University Colleges.

Training of Teachers for the Deaf. MANCHESTER.

DISTRIBUTION OF SUBJECTS OF STUDY TO WHICH EXCEPTIONAL ATTENTION IS GIVEN IN CERTAIN OF THE UNIVERSITIES AND UNIVERSITY COLLEGES OF THE UNITED KINGDOM

(The omission of the name of a University or College from under any of the following subject-headings is not to be taken as an indication that the subject is not studied.)

Subjects generally provided for in Schools of Theology, Law, Medicine, etc., or ordinarily recognized as branches of the following departments of knowledge, are omitted from these lists, viz.: Economics, English Language and Literature; History, ancient, mediæval, and modern; Logic; Mathematics; Philology; Philosophy, mental and moral; Phonetics; Anatomy, human and comparative; Botany; Biology; Chemistry, inorganic, organic, physical, physiological (biochemistry), technical; Embryology; Geography; Geology; Histology; Mineralogy; Morphology; Palæontology; Pathology; Physics; Physiology; Psychology; Zoology.

ARTS

Anthropology, including Primitive Technology and Archæology: BIRMINGHAM; CAMBRIDGE; LONDON, [University Coll. and School of Econ.]; OXFORD. EDINBURGH. NATIONAL OF IRELAND, [Univ. Coll., Dublin]. (Vide also Ethnology.)

Archæology, Assyrian and Babylonian: LIVERPOOL; LONDON, [University Coll., King's Coll.]; OXFORD.

„ *Celtic*: NATIONAL OF IRELAND, [The Univ. Colls.].

„ *Central American*: LIVERPOOL.

„ *Classical*: CAMBRIDGE; LIVERPOOL; LONDON, [University Coll.]; OXFORD. EDINBURGH.

„ *Cretan*: OXFORD.

„ *Egyptian*: LIVERPOOL; LONDON, [University Coll.]; MANCHESTER; OXFORD.

„ *Numismatics*: CAMBRIDGE; LIVERPOOL; OXFORD.

„ *Roman Britain*: DURHAM.

Astronomy: CAMBRIDGE; LIVERPOOL; LONDON, [Univ. Coll.]; OXFORD. EDINBURGH; GLASGOW.

Astro-Physics: CAMBRIDGE; LONDON, [Imperial Coll.].

Campanology: BIRMINGHAM.

History, American: OXFORD.

„ *British Dominions*: CAMBRIDGE; LONDON, [King's College]; MANCHESTER; OXFORD; WALES, [Univ. Coll., Aberystwyth]. EDINBURGH.

„ *Byzantine*: LONDON, [King's Coll.]; OXFORD.

„ *Central European*: LONDON, [King's Coll.].

„ *French, and Institutions*: CAMBRIDGE; LONDON; MANCHESTER. EDINBURGH.

„ *Indian, and Economics*: CAMBRIDGE; LONDON, [School of Oriental Studies]; OXFORD. EDINBURGH.

„ *Irish*: MANCHESTER. NATIONAL OF IRELAND, [The Univ. Colls.].

„ *of London*: LONDON, [University Coll.].

„ *Military*: OXFORD; LONDON, [University Coll.].

„ *Naval*: CAMBRIDGE.

„ *Russian*: LIVERPOOL; LONDON, [King's Coll.].

„ *Scottish*: EDINBURGH; GLASGOW.

„ *Welsh*: WALES [The Univ. Colls.].

Palæography, Diplomatic and Papyrology, Bibliography: CAMBRIDGE; DURHAM; LIVERPOOL; LONDON, [University and King's Colls.]; MANCHESTER; OXFORD. EDINBURGH.

Political Science: BIRMINGHAM; CAMBRIDGE; LONDON, [School of Economics]; OXFORD; WALES, [Univ. Coll., Aberystwyth]. EDINBURGH; GLASGOW.

Public Administration and Finance: LONDON, [School of Economics]; MANCHESTER; OXFORD.

Public Reading and Speaking: DURHAM. ABERDEEN; EDINBURGH.

Solar Physics: CAMBRIDGE.

LANGUAGES AND LITERATURE (omitting those which are studied in the large majority of Universities and Colleges, viz., Hebrew including Aramaic and Syriac, Greek, Latin, French, German, Italian, Russian, and Spanish).

Amharic: LONDON, [School of Oriental Studies].

Anglo-Saxon: CAMBRIDGE; LONDON, [Univ. Coll.]; OXFORD. TRINITY COLLEGE, DUBLIN.

Arabic: BRISTOL; CAMBRIDGE; LONDON, [School of Oriental Studies]; MANCHESTER; OXFORD. EDINBURGH; GLASGOW. TRINITY COLLEGE, DUBLIN.

Armenian: LONDON, [School of Oriental Studies].

Assamese: LONDON, [School of Oriental Studies].

Bantu: CAMBRIDGE; LONDON, [School of Oriental Studies].

Bengali: CAMBRIDGE; LONDON, [School of Oriental Studies]; OXFORD.

Burmese: CAMBRIDGE; LONDON, [School of Oriental Studies]; OXFORD.

Celtic (v. also Irish, Welsh): LONDON, [University Coll.]; OXFORD. ABERDEEN; EDINBURGH; GLASGOW. BELFAST; TRINITY COLLEGE, DUBLIN; NATIONAL OF IRELAND [The Univ. Colls.].

Chinese: CAMBRIDGE; LONDON, [School of Oriental Studies]; MANCHESTER; OXFORD.

Danish, v. Scandinavian.

Dravidian Languages: LONDON, [School of Oriental Studies].

Dutch: LONDON, [Univ. Coll. and Bedford Coll., jointly].

Ethiopic: LONDON, [School of Oriental Studies]; OXFORD.

Greek, Byzantine and Modern: OXFORD; LONDON, [King's Coll.].

Gujerati: LONDON, [School of Oriental Studies].

Hausa: CAMBRIDGE; LONDON, [School of Oriental Studies].

Hindi: OXFORD.

Hindustani, v. Urdu.

Icelandic, v. Scandinavian.

Irish: OXFORD. TRINITY COLLEGE, DUBLIN; NATIONAL OF IRELAND, [The Univ. Colls.].

Japanese: LONDON, [School of Oriental Studies].

Kashmiri: LONDON, [School of Oriental Studies].

Malay: LONDON, [School of Oriental Studies].

Marathi: CAMBRIDGE; LONDON, [School of Oriental Studies]; OXFORD.

Melanesian: LONDON, [School of Oriental Studies].

Nepali: LONDON, [School of Oriental Studies].

Norwegian, v. Scandinavian.

Pali : CAMBRIDGE ; LONDON, [School of Oriental Studies] ; OXFORD.

Persian : CAMBRIDGE ; LONDON, [School of Oriental Studies] ; OXFORD. TRINITY COLLEGE, DUBLIN.

Polynesian : LONDON, [School of Oriental Studies].

Portuguese : LONDON, [King's College] ; Univ. Coll., Nottingham.

Rhæto-Romance : CAMBRIDGE.

Rumanian : CAMBRIDGE ; LONDON, [King's College].

Sanskrit : CAMBRIDGE ; LONDON, [School of Oriental Studies] ; OXFORD. EDINBURGH. TRINITY COLLEGE, DUBLIN.

Scandinavian Languages—Danish, Norwegian, Swedish, Icelandic : CAMBRIDGE ; LONDON, [University Coll.] ; OXFORD.

Siamese : LONDON, [School of Oriental Studies].

Sinhalese, Tamil, and Telugu : CAMBRIDGE ; LONDON, [School of Oriental Studies] ; OXFORD.

Slavonic Languages, other than Russian : CAMBRIDGE ; LONDON, [King's Coll.] ; Univ. Coll., Nottingham.

Slavonic Philology, Comparative : LONDON, [King's Coll.].

Swahili : LONDON, [School of Oriental Studies].

Swedish, v. Scandinavian.

Talmudic : CAMBRIDGE.

Tibetan : LONDON, [School of Oriental Studies].

Turkish : CAMBRIDGE ; LONDON, [School of Oriental Studies].

Urdu : CAMBRIDGE ; LONDON, [Sch. of Oriental Studies] ; OXFORD. TRINITY COLLEGE, UNIV. OF DUBLIN.

Welsh : LIVERPOOL ; OXFORD ; WALES, [the 4 Univ. Colls.].

Yoruba : LONDON, [School of Oriental Studies].

Comparative Philology : CAMBRIDGE ; LONDON, [University Coll., King's Coll., School of Oriental Studies] ; OXFORD. ABERDEEN ; EDINBURGH ; GLASGOW. TRINITY COLLEGE, DUBLIN.

Imperial Latin : MANCHESTER.

Phonetics : LONDON, [University Coll.].

SCIENCE, APPLIED SCIENCE, COMMERCE, SOCIOLOGY

Aero-Dynamics : LONDON, [Imperial Coll.].

Animal Pathology : CAMBRIDGE ; LONDON [R. Vet. Coll.].

Aviation and Aero-Engineering : CAMBRIDGE ; LONDON, [Imperial Coll., East London Coll.] ; OXFORD. GLASGOW.

Colloidal Chemistry : BRISTOL ; MANCHESTER.

Cytology : LIVERPOOL.

Economic Entomology : LIVERPOOL ; LONDON, [Imperial Coll.] ; MANCHESTER. EDINBURGH.

Ethnology and Social Anthropology : CAMBRIDGE ; LONDON, [University Coll., School of Econ.] ; OXFORD.

Eugenics: LONDON, [University Coll.].

Genetics: CAMBRIDGE; OXFORD. EDINBURGH.

Geodesy: CAMBRIDGE.

Household Science: BRISTOL; LONDON, [King's Coll. Household and Social Sci. Dept.]; READING; WALES, [Univ. Coll., Cardiff].

Meteorology: CAMBRIDGE; LONDON, [Imperial Coll.]; OXFORD.

Military Science: BRISTOL; CAMBRIDGE; DURHAM; LONDON; OXFORD; Univ. Coll., Nottingham.

Oceanography and Fisheries: LIVERPOOL; WALES, [Univ. Coll., Aberystwyth]. ABERDEEN.

Physiology of Animal Nutrition: CAMBRIDGE. ABERDEEN.

Plant Pathology: CAMBRIDGE; LONDON, [Imperial Coll.].

Protozoology: LONDON, [King's Coll., Lister Institute]. EDINBURGH; GLASGOW.

Psychology, Comparative: ABERDEEN.

„ *Experimental*: CAMBRIDGE; LONDON, [University Coll., King's Coll., Bedford Coll.]; MANCHESTER. EDINBURGH; GLASGOW.

„ *Industrial*: LONDON, [School of Economics]; MANCHESTER.

Railway Economics: LONDON, [School of Economics]; MANCHESTER.

Spectroscopy: LONDON, [Imperial Coll., King's Coll.]. OXFORD.

Statistics: CAMBRIDGE; LONDON, [University Coll., School of Economics]. ABERDEEN; EDINBURGH.

Sociology: LONDON, [School of Economics]; LIVERPOOL.

Social Study: BIRMINGHAM; BRISTOL; LEEDS; LIVERPOOL; LONDON, [School of Economics, Bedford Coll., v. also Household Science]; OXFORD; WALES, [Univ. Coll., Cardiff]; Univ. Coll., Nottingham. EDINBURGH; GLASGOW; ST. ANDREWS, [Univ. Coll., Dundee].

LAW

Law, International: CAMBRIDGE; LIVERPOOL; LONDON, [School of Economics]; OXFORD. ABERDEEN; EDINBURGH; GLASGOW.

„ *Commercial*: BIRMINGHAM; LEEDS; LIVERPOOL; LONDON, [School of Economics]. EDINBURGH; GLASGOW.

„ *Comparative*: LONDON, [University Coll.].

„ *Indian*: CAMBRIDGE; LONDON, [School of Oriental Studies]; OXFORD.

„ *Industrial*: BIRMINGHAM; LONDON [School of Economics]. EDINBURGH.

„ *Roman-Dutch*: CAMBRIDGE; OXFORD; LONDON.

„ *Russian, and Economics*: LONDON, [King's Coll., School of Economics].

„ *Scots*: The Scottish Universities.

MEDICINE

Cancer Research: LEEDS; LONDON, [Middlesex Hospl.]; MANCHESTER. ABERDEEN.

History of Medicine: LONDON, [University Coll.]. EDINBURGH.

Medical Entomology: CAMBRIDGE. EDINBURGH.

Medical Statistics: LONDON, [University Coll., Nat. Inst. for Med. Research].

Mental Diseases (Research): BIRMINGHAM.

Parasitology and Helminthology: CAMBRIDGE; LIVERPOOL; LONDON, [School of Tropical Med.]. ABERDEEN; EDINBURGH.

Radiology and Electrology: CAMBRIDGE; LIVERPOOL. EDINBURGH.

Tropical Medicine: CAMBRIDGE; LIVERPOOL; LONDON, [Royal Army Med. Coll., School of Tropical Med.]. EDINBURGH.

Tropical Surgery: LONDON, [School of Tropical Med.].

Tuberculosis: WALES, [Univ. Coll., Cardiff]. EDINBURGH; GLASGOW.

TECHNOLOGY

Brewing: BIRMINGHAM.

Chemical Engineering, Technical Chemistry, or *Industrial Chemistry*: LONDON, [University Coll., Imperial Coll.]; MANCHESTER. EDINBURGH; GLASGOW (Roy. Tech. Coll.).

Colour Chemistry, Bleaching, Dyeing: LEEDS; MANCHESTER; Univ. Coll., Nottingham. GLASGOW, [Royal Technical Coll.]. BELFAST (Munic. Coll.).

Economic Mineralogy: LONDON, [Imperial Coll.].

Electro-Chemistry: MANCHESTER.

Electrotechnics: MANCHESTER; LONDON, [Imperial Coll.]. BELFAST, [Municipal Coll.].

Engineering, Automobile: BRISTOL.

„ *Dock and Harbour*: LIVERPOOL. TRINITY COLLEGE, DUBLIN.

„ *Hydro-Electrical*: MANCHESTER.

„ *Marine*: DURHAM, [Armstrong Coll.]; LIVERPOOL. GLASGOW. BELFAST.

„ *Municipal and Sanitary*: LIVERPOOL; LONDON; MANCHESTER [Coll. of Technology]. GLASGOW.

„ *Railway*: LIVERPOOL; LONDON, [Imperial Coll.].

„ *Water Supply and Irrigation*: MANCHESTER.

Fuel, Coal and Gas: LEEDS; LONDON, [Imperial Coll.]; MANCHESTER. [Coll. of Technology]; SHEFFIELD; Univ. Coll., Nottingham. GLASGOW, [Royal Technical Coll.].

Glass: SHEFFIELD.

Leather: LEEDS

Oil Engineering and Refining: BIRMINGHAM; LONDON, [Imperial College].

Optical Engineering and Applied Optics: LONDON, [Imperial Coll.].

Photography: MANCHESTER [Coll. of Technology].

Rubber: LONDON, [Northern Polytechnic]; MANCHESTER.

Sugar: GLASGOW, [Royal Technical Coll.].

Textiles: LEEDS; MANCHESTER, [Coll. of Technology]; Univ. Coll., Nottingham. GLASGOW, [Royal Technical Coll.]. BELFAST, [Municipal Coll.].

Woods and Fibres: LONDON, [Imperial Coll.].

POST-GRADUATION AND SPECIALIST COURSES FOR THE SESSION 1926–27

UNIVERSITY OF BIRMINGHAM

A. Schools and Departments: *Brewing and the Bio-chemistry of Fermentation*; *Commercial Science*; *Dental Science*; *Education*; *Engineering*; *Law*; *Medicine*; *Metallurgy*; *Mining*; *Music*; *Oil Engineering and Refining*; *Public Health Science*; and for the Trade Unions Industrial Certificate.

B. Post-graduation Courses leading to the Ph.D. or other higher degrees:

(i.) ARTS: *English*; *French*; *German*; *Greek*; *Italian*; *Latin*; *Russian*; *Spanish*; *History*; *Music*; *Philosophy*.

(ii.) COMMERCE: An approved selected subject.

(iii.) MEDICINE: An approved selected subject.

(iv.) SCIENCE: *Bio-chemistry of Fermentation*; *Botany*; *Chemistry*; *Engineering*; *Geology*; *Mathematics*; *Metallurgy*; *Mining*; *Oil Engineering and Refining*; *Physics*; *Zoology*.

C. Specialist Courses:

Anthropology (including primitive technology and archæology). A course of lectures, and practical instruction in the Museum of the Department, is given by the Professor of Anatomy and Anthropology throughout the Summer Term. *Brewing*: There is an Honours School in the *Bio-Chemistry of Fermentation*, which subject may also be offered as a principal subject for the degree of B.Sc. Special subjects in the Honours School are: (i.) *Chemistry and Physiology of Malting, Brewing, Distilling and Vinegar Manufacture*; (ii.) *Fermentation* and *Bacteriology*; (iii.) *Agricultural Chemistry*; (iv.) *Chemistry of Food and Drugs*. *Civic Design and Town Planning*. A systematic course of lectures and class work is given, provided by the Bournville Village Trust. In the Winter Term instruction is given in Drawing-office and Field Work; in

the Spring Term in problems in Site Planning, in which term special series of lectures are also delivered by authorities on various aspects of Town Planning. *Criminology.* A post-graduate course on " Crime and Punishment " is conducted during one term. Special demonstrations in connexion with the subject are given at local Prisons, Asylums and Mental Deficiency Colonies. *Hydro-electric Engineering.* Facilities are provided for students who desire to specialize in this subject. The B.Sc. degree may be taken with Honours in Hydro-electric Engineering. *Industrial Law.* A systematic course of lectures and tutorials is given in problems of Modern Industry, National and Local Government, etc., to students nominated by Trade Unions, who read for the Industrial Certificate awarded by the University. *Mental Diseases.* A special Department is established in connexion with the Asylums Committee of the City of Birmingham for research in Mental Diseases. *Mine Rescue.* A special lecturer in the subject of Mine Rescue Work delivers a course of lectures; demonstrations in the Laboratory, and in the Model Mine in the grounds of the University are given during one term. The Watch Committee of the City of Birmingham requires the attendance on these courses of members of the City Fire Brigade. *Mining Research.* A department responsible for research in problems relating to Oil, Coal and Metal Mining is established under the direction of Dr. J. Scott Haldane, F.R.S., who has been appointed an Honorary Professor in the University. *Music.* An Honours School has been established in this subject, and a degree of M.Mus. instituted. In connexion with the work of this Department a special course of lectures in Campanology is given with illustrations on the Bournville Bells. *Social Study.* Systematic instruction with practical training for administrative officials, philanthropic workers, Welfare supervisors, trade union and other officials, the clergy, members of local governing bodies. The course leads to a University Diploma in Social Study.

UNIVERSITY OF BRISTOL

A. Schools and Departments: *Agriculture, Dental Science, Education, Engineering, Medicine, Public Health.*

B. The degree of Ph.D. is open to any graduate in the several faculties in accordance with the regulations.

C. Specialist Courses:

Agriculture and Horticulture. Agricultural and Horticultural Research Station at Long Ashton, Somerset, and Fruit and Vegetable Preservation Research Station at Chipping Campden, Gloucestershire. The Royal Agricultural College, Cirencester, is also associated with the University. *Colloidal Chemistry.* Special attention has for many years been devoted to the subject of colloids in both undergraduate and graduate courses, and a school of research is engaged in carrying through an extensive investigation based especially on soaps and nitrocellulose. *Domestic Science.* A special curriculum for the degree of B.Sc. *Human Morphology* includes Physical Anthropology, and students have the opportunity of taking part in excavations in caves

in the Mendip Hills which were occupied by prehistoric man. *Social Study.* Systematic instruction with practical training for officials in national, municipal or rural administration, members of Local Government bodies, the clergy and philanthropic workers. The course leads to a University Testamur and Higher Testamur in Social Study.

UNIVERSITY OF CAMBRIDGE

For information regarding courses leading to the Ph.D. and other higher degrees and specialist courses, the Lecture Lists published in the *Reporter* early in each term and the pamphlet on Facilities for Study and Research (The University Press) should be consulted.

UNIVERSITY OF DURHAM

DURHAM DIVISION

A. Schools of *Theology, Education.*

B. Subjects in which the University is prepared to accept students for the Ph.D. or other higher degree. No list published. Application for admission to courses of post-graduation study will be considered as and when received. The Pure Science Laboratories (opened in 1924) are well equipped for research.

C. Subjects to which exceptional attention is given:

Arabic (Diploma granted to graduates and non-graduates). *Palæography. Roman Britain.*

COLLEGE OF MEDICINE

A. Schools of *Medicine* and *Dentistry.*

B. Facilities for advanced study and research are provided in almost all subjects of the medical course, but especially in *Bacteriology, Pathology* and *Physiology.* The Royal Victoria Infirmary and the Princess Mary Maternity Hospital afford ample material for clinical research. General and Special courses of post-graduation instruction in Medicine are conducted throughout the year.

ARMSTRONG COLLEGE

A. Schools of *Art, Architecture, Commercial Science, Engineering, Naval Architecture* and *Marine Engineering, Metallurgy, Mining, Agriculture, Education.*

B. Ph.D. Applications for admission to courses of study and research for the Ph.D. degree will be considered as and when received.

Special facilities for research are provided in Pure Science, Applied Mathematics, Naval Architecture, Zoology, Electrical Engineering, Agriculture and Economics.

C. Subjects to which exceptional attention is given:

Fine Art and *Music* for the Pass B.A. *Architecture.* An Honours

course covering five years (parts of the fourth and fifth to be spent in an architect's office). *Ancient History.* Special facilities for the study of Roman Britain. *Mechanical and Marine Engineering. Naval Architecture.* Special facilities for the study of high-speed engines and all problems connected with shipbuilding. *Agriculture.* The Department has under its control the Northumberland County Council Experimental Station. Training in Practical Forestry at Chopwell Woods leading to College Certificate. *Marine Biology.* The Dove Marine Laboratory, at Cullercoats, is part of the Zoological Department of the College ; available for research work.

UNIVERSITY OF LEEDS

A. Schools of *Law, Medicine, Dental Science, Engineering, Metallurgy, Mining, Agriculture, Education, Commercial Science.*

B. Subjects in which the University is prepared to receive candidates for the Ph.D. or other higher degrees. Application for admission to courses of post-graduation study will be considered as and when received.

C. Specialist Courses:

Social Organization and *Public Service.* Two years' course for Diploma; *Economics, Industrial* and *Social History, Social Psychology, Local Government, Public Health* and *Hygiene, Administration, Social Ethics, Statistics, Labour Organization,* etc. *Colour Chemistry and Dyeing.* Courses of lectures with practical work in the special laboratories of the Department extending over four years for Honours B.Sc., or (for immatriculated students) for Diploma ; three years, for Pass B.Sc., or Diploma ; five years' part-time course for dyers' apprentices. *Coal Gas and Fuel Industries with Metallurgy.* Course of lectures with practical work in the special laboratories of the Department for Hons. Degree, Ordinary Degree or Diploma. Two years' post-graduation course for Diploma in (i) Gas Engineering, (ii) Fuel and Metallurgy. *Leather Industries.* Courses of lectures with practical work in the special laboratories of the Department for the Ordinary Degree, Honours Degree, and M.Sc. and Diploma. *Textile Industries.* Courses of lectures with practical work in the special laboratories of the Department for B.Sc. in Textiles or B.Com. with Textiles as principal subject, one-year post-graduation course for Diploma, three years' course for Diploma. *Agriculture.* The Department conducts, on behalf of the County Councils of the three Ridings, the whole scheme of Agricultural Education in Yorkshire. The laboratories (Agricultural Chemistry, Botany, Bacteriology, and Zoology) are open for research, or for special technical training. A special feature is that of Agricultural Economics.

UNIVERSITY OF LIVERPOOL

A. Schools and Departments: *Law, Medicine* (including *Tropical Medicine* and *Public Health*), *Dental Science, Veterinary Science, Civic*

Design and Town Planning, Architecture, Naval Architecture, Social Sciences and Administration (*Geography, Economics, Commerce, Social Science*), *Engineering* (including *Marine Engineering*), *Metallurgy, Education.*

B. Subjects in which the University is prepared to receive students for the Ph.D. degree : the following departments have been approved. The Ph.D. committee is prepared to receive applications for recognition from any other department in which candidates may desire to work.

ARTS. *Methods* and *Practice of Archæology* (*Archæology of Palestine*), *Philosophy, Mediæval History, English Literature, German.* SCIENCE. *Chemistry* (*Inorganic, Organic* and *Physical*), *Mathematics, Physics, Zoology, Botany, Geology, Oceanography.* MEDICINE. *Physiology, Bio-Chemistry, Entomology, Bacteriology.* ENGINEERING. *Mechanical Engineering, Thermodynamics of Heat Engines, Strength of Materials, Electrical Engineering, Civil Engineering, Naval Architecture, Metallurgy.*

C. Specialist subjects :

FACULTY OF ARTS. *Palæography and Diplomatics. Course A* : The outlines of Latin Palæography from the earliest times to about 1600. *Course B* : English Hands, especially Diplomatic, to about 1600. *Course C* : French Hands, Book and Diplomatic, to about 1500. Similar Courses will be provided, if required, for candidates in the Honours Schools of German, Italian and Spanish. *Course D* : The outlines of Diplomatics. Students have access to the Library of the School of Local History and Records, which has a palæographical section containing a large collection of facsimiles of MSS. of all periods. *Classical Archæology. Course A* : Outlines of the Antiquities of Greece. *Course B* : Greek Art and Antiquities of the Fifth Century B.C. *Course C* : Roman Art and Antiquities from 145 B.C. to A.D. 140. *Course D* : Ancient Art, with special reference to architecture and sculpture. *Course E* : Classical ornament and symbolism. *Methods and Practice of Archæology. Course F* : Methods in Archæological Research. Further courses of study and research will be offered in connexion with the British School of Archæology in Jerusalem both at Jerusalem and at the University. *Egyptology. Course G* : History, Art and Archæology of Ancient Egypt. Ancient Egyptian Language. Associated with the Department of Archæology is an Institute of Archæology containing a library and museum of Comparative Archæology. The University awards a Certificate and Diploma in Archæology. *Fees.* Courses : Diploma, £10 ; Certificate, £30 ; Examinations : Diploma, £4 ; Certificate, £3. *Celtic. Course A* : Modern Welsh Language and Literature ; Elements of Welsh Phonology. *Course B* : Early Modern Welsh Language and Literature ; Outlines of Historical Grammar. *Course C* : Mediæval Welsh Language and Literature ; Outlines of Historical Grammar. *Course D* : History of Welsh Literature. *Course E* : Spoken Welsh. *Course F* : Teachers' Course in Language and Literature ; Modern Welsh Language and Literature ; Elements of Welsh Phonology ; Phonetics. Special forms of literature, lyrical poetry from the sixteenth century, and narrative prose from the eighteenth century. *Course G* : Modern Historical

Sources in the Welsh Language. *Course H*: Mediæval Historical Sources in the Welsh Language. *Art of the Theatre.* Short courses, open free to the public, are given each year by special lecturers. *Social Science.* The School provides a course of study covering one or two years leading to a Certificate and Diploma in Social Studies. The Diploma Course is designed for University graduates and others who can give evidence that their education has reached a similar standard. *Fees.* Course for the Diploma (2 yrs.), £25; Examination, £3. Course for the Certificate (2 yrs.), £25; Examination, £3. *Civic Design and Town Planning.* The Department (established 1909) is part of the School of Architecture and is intimately associated with it. The University grants a Certificate and Diploma in Civic Design. The Course for the Diploma meets the requirements of qualified students who desire to pursue their studies in Town Planning to a stage demanding a trained artistic sense and a knowledge of the problems involved in civic composition. There are special Lecturers on Landscape Design, the Law of Housing, and Civic Engineering. *Fees*: Course for the Certificate, £10; Examination, £3. Course for the Diploma, £35; Examination, £6 : 5s.

FACULTY OF SCIENCE. *Oceanography.* The staff includes Honorary Lecturers in Sea Fisheries, in Economic Ichthyology, and in Marine Biology. The Oceanographic Laboratory is open for research work to graduate students. The Port Erin Biological Station and the Lancashire Sea Fisheries Marine Laboratory at Peel are also available for such work. *Tidal Institute.* Founded in 1919 for research into all aspects of knowledge of the Tides. Graduates are admitted as research workers under the guidance of the Director.

FACULTY OF MEDICINE. *Tropical Medicine.* The School of Tropical Medicine (founded in 1898) trains medical men proceeding to the Tropics in the subject of tropical diseases; conducts researches and organizes prophylactic measures against tropical diseases. The University awards Diplomas in Tropical Medicine and in Tropical Hygiene. Candidates must hold a registrable qualification to practise Medicine, and candidates for the Diploma in Tropical Hygiene the D.T.M. in addition. *Fee* for the D.T.M. Course, £15 : 15s.; for Examination and Diploma, £6 : 5s. Fee for the D.T.H. Course, £15 : 15s.; for Examination and Diploma, £6 : 5s. *Medical Radiology amd Electrology.* The University awards a Diploma in Medical Radiology and Electrology. Candidates must hold a registrable qualification to practise Medicine. *Fee* for the Course, £24 : 5s. Examination and Diploma, £6 : 5s. in one examination, or £7 : 6s. if taken in two parts. *Orthopædic Surgery.* The University awards a Degree of Master of Orthopædic Surgery. *Fee* for the Course, £41; Examination and Degree, £10. *Public Health.* The City of Liverpool and its Port offer exceptional advantages for the study of Public Health, and every facility is afforded for training in sanitary science and State Medicine. The City Laboratories and University School of Hygiene are contained in one building which houses the City Analyst and City Bacteriologist, together with the University staff in Public Health. The University confers the degree of Master of Hygiene and a Diploma in Public Health.

Fees. Degree of Master of Hygiene, 2 yrs., £80; Examination and Degree Fees, £15 : 10s. Diploma in Public Health, Course, £45; Examination and Diploma, £6 : 5s. *Dentistry.* In addition to the facilities afforded by the Medical School for certain subjects of the Dental curriculum, the University possesses a Dental School, recently built; the Dental Hospital adjoining is intimately associated with the Dental School. *Veterinary.* Students in the Veterinary School are prepared for (1) the Diploma of Membership (M.R.C.V.S.) and the Fellowship (F.R.C.V.S.) of the Royal College of Veterinary Surgeons. (2) The Degrees of Bachelor of Veterinary Science (B.V.Sc.), Doctor of Veterinary Science (D.V.Sc.) and the Doctorate in Philosophy (Ph.D.). (3) The University (post-graduation) Diploma in Veterinary Hygiene.

UNIVERSITY OF LONDON

A. Schools of *Theology* (King's College Theological Department, New and Hackney Coll., Hampstead, Regent's Park Coll., Wesleyan Coll., Richmond, St. John's Hall, Highbury); *Law* (University Coll., King's Coll. and the School of Economics jointly); *Medicine* (12 Hospital Medical Schools, University and King's Colleges (*vide supra*), Lister Institute of Preventive Medicine, Royal Army Medical Coll., Royal Naval Coll., Greenwich, Bethlem Royal Hosp., Maudsley Hosp.); *Dental Science* (11 Hospital Dental Schools, *vide supra*); *Veterinary Science* (Royal Veterinary Coll.); *Music* (Royal Academy, Royal Coll., Trinity College); *Art* (University Coll., Slade School, Goldsmiths' Coll.); *Dramatic Art* (East London Coll.); *Civic Art and Design*, and *Town Planning* (Univ. Coll., Bartlett School); *Ecclesiastical Art* (King's Coll.); *Architecture* (Univ. Coll., Bartlett School); *Journalism* (Univ., King's and Bedford Colls. and Sch. of Econ. jointly); *Librarianship* (Univ. Coll.); *Economics and Political Science* (School of Economics); *Social Science and Administration* (School of Economics); *Commercial Science* (School of Economics); *Engineering* (Univ. Coll., King's Coll., Imperial Coll., East London Coll.); *Metallurgy* (Imperial Coll.); *Mining* (Imperial Coll.); *Mining* and *Technology of Petroleum* (Imperial Coll.); *Mining Geology* (Imperial Coll.); *Agriculture* and *Estate Management* (Lawes Agricultural Trust, Rothamsted; South-Eastern Agricultural College, Wye); *Education* (King's College, London Day Training College, Goldsmiths' College, Maria Grey Training College, St. Mary's College, Paddington).

B. Students studying for the Ph.D. Degree (Internal) had been accepted (June 1926) in the following subjects:

Aeronautics (v. Maths. below), *Agricultural Chemistry, Agricultural Parasitology, Anthropology, Arabic, Archæology, Astronomy, Bacteriology, Bantu Languages, Bengali, Bio-Chemistry, Biology, Botany, Chemical Technology, Chemistry, Chinese, Commerce, Dietetics, Economics, Education, Embryology, Engineering, English, Entomology, Ethics, Ethnology, French, Fuel Technology, Genetics and Cytology, Geography, Geology, German, Helminthology, Hindu Philosophy, History, History of Science, Hydraulics, Italian, Jain Literature, Latin, Mathematics* (including Maths. as applied to Aeronautical Science), *Metallurgy, Metaphysics,*

Meteorology, Mining, Muslim Jurisprudence, Mycology, Pekingese, Persian, Petrology, Philosophy, Phonetics, Physics, Physiology, Plant Physiology, Political Science, Protozoology, Psychology, Puranic Literature, Rabbinic, Sanskrit, Slavonic Studies, Sociology, Spanish, Spectroscopy, Statistics, Theology, Zoology.

C. UNIVERSITY COLLEGE—Specialist Courses:

[Fees for lectures or seminars are generally at the rate of from 3 to 4 guineas for the session or 1½ guineas a term for one hour per week.]

Physical and Cultural Anthropology. Archæology, (*a*) Greek Art and Architecture. (*b*) Epigraphy, History of Art, Antiquities and Mythology. (*c*) History of Ancient Sculpture. (*d*) Surroundings of Greek and Roman Life. *Assyriology. Astronomy,* (*a*) Practical Astronomy. (*b*) Spectroscopy. (*c*) Modern Stellar Astronomy. (*d*) Advanced Astronomy for graduates. *Celtic,* Old Irish Literature. *Chemical Engineering.* Special Course (2 sessions) in Scientific Principles underlying Chemical Processes on technical scale. *Danish,* v. Scandinavian. *Dutch History, Language and Literature. Egyptology.* Training Course, 2 sessions, including Language, Art, Anthropology. Evening School, Hieroglyphics and Egyptian Religion. *Engineering,* Post-graduation courses in all branches, including Railway Engineering, Waterways, Harbours and Docks, Reinforced Concrete, Photographic Surveying, High Frequency Electric Measurements and Electrical Design. *Eugenics,* v. Statistics. *History,* Post-graduation seminars in (*a*) Sources of English History in the Fourteenth, Fifteenth and Sixteenth Centuries, with practical work illustrating methods of Historical Research. (*b*) History of the Christian Church. (*c*) English Political History. (*d*) Scottish History. (*e*) History of London. (*f*) Colonial History. (*g*) Diplomatic History. (*h*) American History. (*i*) Modern French History. (*j*) Dutch History and Institutions. (*k*) The History of the Great War, 1914–18. *History of Medicine. Law,* (*a*) Comparative Customary Law. (*b*) Roman-Dutch Law, with seminar. (*c*) Constitutional Law. (*d*) Ottoman Law. (*e*) Hindu and Muhammadan Law. *Librarianship,* (*a*) Bibliography. (*b*) Palæography and Archives. (*c*) Abstracting, Indexing, and Classification. *Military Studies.* Junior and Senior Courses. *Norwegian,* v. Scandinavian. *Comparative Philology,* 1. History and Principles. 2. Comparative Syntax of Greek and Latin. *Phonetics,* 1. English Phonetics for Foreign Students. 2. English Phonetics for English Students. 3. Phonetics of French, German, Italian, Welsh, Danish, Swedish, and other Languages. 4. General Phonetics (advanced) and Research Work. 5. Spoken English for Foreign Students. *Psychology.* (*a*) A new system of General Principles illustrated by explanatory mental tests, with seminar and laboratory course on testing individual abilities, etc. (*b*) The Sense and Nervous System. (*c*) Recent Experimental Results. (*d*) Fundamental Problems and Controversies. (*e*) Mental Measurement, with Exercises. (*f*) Physics of Experimentation. (*g*) Animal Psychology. (*h*) Comparative Psychology of Primitive Races. (*j*) Psychology of the Learning Process. (*k*) Child and Comparative Psychology. (*l*) Psycho-analytic Study of Conduct and Character. *Scandinavian Studies,* Danish, Norwegian and

Swedish, Junior or Senior Class, 1 g. for session, Post-graduation work, Literature of nineteenth century; Icelandic. *Statistics*, Applied, and Eugenics (Galton Laboratory for National Eugenics and Biometric Laboratory) Laboratory work (trained students only).

List of Departments other than those named above in which post-graduation courses are provided (v. special pamphlet obtainable from Secretary), *Latin, Greek, Hebrew, English, Romance Philology and French, Germanic Philology and German, Italian, Political Economy, Geography, Philosophy, Principles, History and Method of Science, Tibetan, History of Art, Architecture* (including *Town Planning*), *Mathematics, Pure and Applied, Physics, Chemistry, Geology, Botany, Zoology and Comparative Anatomy, Embryology and Histology, Physiology and Bio-Chemistry, Hygiene and Public Health.*

KING'S COLLEGE—Specialist Courses:

[Fees for Occasional Classes and Seminars are usually at the rate of £1 : 11 : 6 per term or £4 : 4s. for the session for one hour a week in day classes, and £1 per term or £2 : 10s. for the session in evening classes.] Composition fees for full-time Post-graduate Courses vary from £8 : 8s. to £22 : 1s. p.a.

FACULTY OF ARTS: *English Language and Literature and Bibliography.* Evening School of English for post-graduation work, including special Four-year Course for Evening Students for the University Diploma. *Mediæval and Modern History.* Palæography and Diplomatic, Ecclesiastical History, Mediæval History, Russian History, Central European History, Imperial History, Historical Geography. *School of Slavonic Studies.* (*a*) Russian—full provision for all teaching to B.A. Hons. and higher degrees. (*b*) Slavonic Philology. (*c*) Polish Language and Literature. (*d*) Czecho-Slovak Language and Literature. (*e*) Serbian Language and Literature. *School of Spanish Studies.* To B.A. Hons. and higher degrees. Phonetics. *Department of Portuguese. Modern Greek.* Language and Literature, including Byzantine History and the History of Modern Greece. *Hebrew.* Classes for the Midrash and Talmud. *Psychology.* Special Courses in Educational Psychology, Psychotherapy and the Psychology of Advertising, and for the University Diploma. *Education.* Secondary Teachers' Training Department. Post-graduation work.

College Certificates are awarded in Spanish, Portuguese, Italian, Russian, Hebrew, Czecho-Slovak, Serbo-Croat, and Polish.

FACULTY OF THEOLOGY. Seminars in Biblical and Rabbinical Hebrew, in the Philosophy of Religion and in Ecclesiastical History. Provision for the advanced study of the New Testament.

FACULTY OF NATURAL SCIENCE. *Mathematics and Physics.* Thermionics, Radiation, Quantum Theory, Spectroscopy, Generalized Dynamics, Radio-activity, Atmospheric Electricity and Wireless Telegraphy. *Chemistry.* Optical Activity of Cyclic Compounds, Photo-Chemistry, Stability and Electrical Properties of Colloids, Electro-Chemistry, Carbon Compounds of Sulphur. *Zoology.* Special Research in Experimental Embryology, General Exp. Zoology, Protozoa. *Botany.* Cytology, Genetics.

FACULTY OF MEDICAL SCIENCE. *Physiology.* Research in Experimental Physiology, especially in relation to the Circulation. Biochemistry of the Carbohydrates, Physical Chemistry of Blood, Histology of the Nervous System in health and disease.

FACULTY OF ENGINEERING. Research in Heat Engines, including Steam and Internal Combustion Engines, Refrigeration, Strength and Elasticity of Materials, Hydraulics, Alternating Current Machines, High-tension and Non-Thermionic Amplification.

Special Lectures on "Locomotive Engineering," "Electrical Equipments and their Control."

IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY

[Including: THE ROYAL COLLEGE OF SCIENCE; THE ROYAL SCHOOL OF MINES; THE CITY AND GUILDS (ENGINEERING) COLLEGE. Specialized Courses are as follows, but advanced work and research are carried out in all Departments of the Colleges. Students have ready access to the Science Library, which is situated in the Royal College of Science, and to the Science Museums adjacent thereto. The Diploma of the Imperial College is awarded for approved advanced study and research extending over not less than one year, and the higher degrees of London are open to students who register as internal students of the University.]

Aeronautical Engineering: Aerodynamics, Design lectures and class, Materials of Aircraft Construction, Construction and Strength of Aircraft, Engine Design, Airships, Meteorology, Air Navigation and Instruments. *Biology*: Bacteriology, Pathology, and Physiology of Plants, Timber for Engineers and Architects, Fungi, Decay of Woods and its prevention, Histology and Embryology, Fibres and Fibre-yielding Plants, Bio-Chemistry, Problems of Heredity, General Entomology, Advanced Entomology, Economic Entomology. *Chemical Technology*: Technology of Fuel, Refractory Materials and Silicate Technology, Manufacture of Glass, Ceramics and Cement, Chemical Engineering, General Chemical Technology. *Geology and Oil Technology*: Mining Geology, Engineering Geology, Geology of Road Construction and Maintenance, Physical Geology. *Mathematics and Mechanics*: Thermodynamics, Motion of Viscous Fluids, Kinetic Theory of Gases, Analysis of Observations, Differential Equations, Electromagnetic Theory. *Technical Optics*: Physical Optics, Optical Designing and Computing, Workshop and Testing Room Methods, Vision and Aids to Vision, Construction Theory and Use of Optical Measuring Instruments, Elasticity applied to Scientific Instrument Design, Advanced Designing and Computing, Mechanical Design of Instruments, Measurement and Recording of Light, Colour and its Measurement. *Physics*: Measurement of High Temperatures and Optical Pyrometry, Spectrum Analysis and Radiation, Internal Combustion Engines, Some New Developments in Physics. *Mechanical Engineering and Motive Power*: Railway Engineering and Mechanical Transport, The Locomotive and Mechanical Transport, Railway Signalling, Electric Traction and Railway Electrification, Bridge Design and Permanent Way. *Civil Engineering*: Structural Engineering, Hydraulic Engineering, Geodesy, Public Works,

Steel Bridges, Reinforced Concrete, Hydraulic Machinery. *Electrical Engineering*: Electrical Machinery, Hydro-Electric Plant, Wireless Telegraphy and Telephony, Alternating Current Commutator Motors, The Organization of Electrical Manufactories, Design of Turbo-Generators, Transformer Practice and Insulation of Electrical Plant.

Composition Fees are at the rate of £62 : 10s. per academic year for course work, and £22 : 10s. for research. They include membership subscriptions to the Unions and Clubs.

EAST LONDON COLLEGE—Advanced and Specialist Courses:

Aeronautics: A special course suitable for those who desire to be trained as Aeronautical Engineers, arranged to run concurrently with the B.Sc. (Engineering) Course. It includes work with an experimental wind channel and special instruction in the construction and design of Aeroplanes. Among the post-graduation courses are *English Language and Literature, French Language and Literature, Modern History*, Advanced and Research work in *Mathematics, Chemistry, Physics, Botany*, and *Engineering*, for which there are special facilities. *Dramatic Study and Research.* This new school is intimately associated with the School of English Language and Literature. Classes are arranged on the history of the drama and the history of the stage. Special performances of revived and new plays are given in the theatre. Fees—£22 : 2s. for the session.

BIRKBECK COLLEGE—Advanced and Specialist Courses:

Evening Post-graduation courses in *Classics, English, French, German* and *Italian Language and Literature, History* and *Geography*; facilities for advanced work and Research in *Mathematics, Chemistry, Physics, Botany, Zoology* and *Geology*. Evening courses for Academic Diploma in *Geography*.

SCHOOL OF ECONOMICS AND POLITICAL SCIENCE

[The name of the subject is followed by the number of lecture hours, and the term or terms (Michaelmas, Lent, Summer) in which the lectures are given. The fee is generally at the rate of about £1 : 5s. for ten hours for day students; 16s. 8d. for ten hours for evening students.]

Accounting and Business Methods. Accounts of Traders and Companies, Parts I. and II. (30 or 60 M.L.S.); Business Organization (15, M.S.); Works and Factory Accounting and Costing (15, L.); Secretarial Practice (20, M.L.); Modern Business Methods, with special reference to Office Machinery (18, L.S.); *Banking and Currency*: Principles of Currency (20, M.L.); Theory of Banking (6, S.); The Stock Exchange Speculative Markets, and Dealing (6, S.); The History of Currency and Banking, with special reference to England (26, M.L.S.); The Foreign Exchanges and International Banking (6, S.); Banking and Finance in the Principal Foreign Countries (40, M.L.);—(The U.S.A., South America, and the Near East (20) and Europe (20)); Banking in the British Dominions (9, L.); Recent Monetary History and Monetary Controversies: an Introduction to the Monetary History of the Modern World (6, S.); *Commerce and Industry*: Industrial

Organization (20, M.L.) ; Modern Industrial Problems (23, M.L.S.) ; The Financing of Industry (6, S.) ; Raw Materials of Industry and Trade (20, M.L.) ; International Trade and Traffic of the Great Ports of the World (25, M.L.S.) ; General Trade and Transport Relations of the European Countries (10, L.) ; The Organization of Commerce and Industry in Europe (50, M.L.S.) ; The Organization of Commerce and Industry outside Europe (26, M.L.S.) ; The Trade of India (10, L.) ; Trade of Africa and Australasia (15, L.S.) ; Indian Production (10, M.) ; Indian Finance (20, M.L.) ; Marketing Organization (9, S.) ; *Economics* : Elements of Economics : (*a*) General Principles (26, M.L.) ; (*b*) Money, Banking and International Exchange (14, L.S.) ; (*c*) Trade and Industry (14, L.S.) ; Principles of Economics (26, M.L.) ; Comparative Economic Theory (20, L.S.) ; Public Finance (10, L.) ; Economic Problems of War (12, M.L.) ; *Ethnology* : Ethnology (8, M.) ; Prehistoric and Early Man (8, M.) ; Living Races of Man and their Distribution (8, L.) ; The Cultures of Melanesia (16, L.S.) ; Discussions on Social Anthropology (40, M.L.) ; Comparative Study of Language (L.S.) ; The Useful Arts of Primitive Peoples (10, M.) ; *Geography* : Commercial Geography (30, M.L.S.) ; General Regional Geography (32, L.S.) ; General Regional Geography (57, L.S.) ; General Regional and Economic Geography of the Southern Continents (56, M.L.S.) ; Class in Detailed Geography of North America (60, M.L.S.) ; Detailed Geography of Europe (60, M.L.S.) ; Historical Geography of the Mediterranean (17, M.L.) ; Historical Geography of England (10, L.) ; Historical Geography of France (9, S.) ; The Geographical Factor in History (6, S.) ; Geographical History of London (6, M.) ; Map Classes (40, M.L.) ; Geography of Transport (25, M.L.S.) ; Economic Geography (25, M.L.S.) ; *History* : History of the Modern World (25, M.L.S.) ; The Growth of English Industry (25, M.L.S.) ; English Economic History (25, M.L.S.) ; Economic Development of the Overseas Dominions (25, M.L.S.) ; The Growth of English Commerce and Colonization (25, M.L.S.) ; The Economic Position of the Great Powers (27, M.L.S.) ; The Political Position of the Great Powers (30, M.L.S.) ; Economic History from 1485 (26, M.L.S.) ; Constitutions of the Great Powers (20, L.S.) ; Social and Economic History of Tudor England (30, M.L.S.) ; Mediæval Trade (6, L.) ; Economic History of Western Europe in the Middle Ages (30, M.L.S.) ; Farming in Eight Centuries (8, M.) ; European Diplomacy, 1890–1914 (9, L.) ; Mediæval Famine Records (45, M.L.S.) ; Modern European History from 1500 (25, M.L.S.) ; Cultural Relations between the West and other Civilizations (9, L.) ; Political and Constitutional History of England, 1689–1914 (20, M.L.) ; The British Economists and their Relation to Economic History (20, M.L.) ; *Law* : Industrial Law (26, M.L.S.) ; Elements of Industrial Legislation (15, M.L.) ; Common Law-Contracts (30, M.L.) ; Criminal Law and Procedure (30, M.L.) ; Law of Property (45, M.L.S.) ; History of English Law (44, M.L.S.) ; Conveyancing (29, M.L.S.) ; Mercantile Law—Special Subjects (29, M.L.S.) ; Elements of English Law (30, M.L.S.) ; Elements of Commercial Law (52, M.L.S.) ; The Law of Banking (20, M.L.) ; Maritime Law (15, M.L.) ; The Law of Marine Insurance (10, L.S.) ; The Law of Carriage by Railway (20, M.L.) ; Constitutional

Law and History (40, M.L.S.) ; International Law (Peace) (26, M.L.S.) ; International Law (War and Neutrality) (26, M.L.S.) ; International Treaties (6, L.) ; Code Civil (36, M.L.S.) ; Conflict of Laws (30, M.L.) ; Law of Local Government (10, L.) ; *Logic, Psychology, and Philosophy* : Logic (30, M.L.S.) ; Scientific Method (15, L.S.) ; Industrial Psychology and Physiology (6, L.) ; Industrial Psychology (30, S.) ; The Psychological Theory of Law (4, L.) ; General Psychology (20, M.L.) ; *Politics and Public Administration* : The British Constitution (30, M.L.) ; Principles of Administrative Law (10, M.) ; The English Judicial System (6, L.) ; Public Administration (20, M.L.) ; Political and Social Theory (20, M.L.) ; The Central Government of the United Kingdom (25, M.L.S.) ; International Politics (20, L.S.) ; International Relations (15, L.S.) ; The History of Political Ideas from Plato to the Nineteenth Century (26, M.L.S.) ; History of Political Ideas (25, M.L.S.) ; Political Obligation (25, M.L.S.) ; English Political Thought in the Nineteenth Century (9, S.) ; Political Philosophy of Rousseau (6, S.) ; The French Constitution (10, M.) ; French Public Administration (16, L.S.) ; L'enseignement en France (5, L.) ; The Government of French Colonies (5, L.) ; Parties and Party Organization since 1832 (10, L.) ; Local Government (20, M.L. or L.S.) ; Constitutions of the British Empire (15, L.S.) ; Inter-Imperial Relations of the British Empire (5, L.) ; Constitutional Experiments in the Irish Free State (6, M.) ; Comparative Parliamentary Government (20 M.L.) ; Comparative Parliamentary Procedure (5, S.) ; The Civil Service in the Modern State (6, S.) ; The Government of the United States (15, L.S.) ; The Theory of Judicial Review (10, M.) ; Foreign Methods of Treasury Control (5, L.) ; Communistic Legislation in Russia (4, L.) ; Marxism in Russia (4, S.) ; *Social Science and Administration* : Introduction to Social Philosophy (20, M.S.) ; Modern Social Theories (20, M.L.) ; Problems of Social Administration (20, M.L.) ; Problems of Modern Industry (20, M.S.) ; Social Developments from 1760 (30, M.L.S.) ; Physiology (30, M.L.S.) ; Machinery of Government (10, M.) ; *Sociology* : Comparative Social Institutions (20, M.L.) ; Social Philosophy and Psychology (20, M.L.) ; Comparative Ethics and Religion (20, M.L.) ; Introduction to the Study of Society (20, M.L.) ; Greek Ethical Theories (10, L.) ; Biological Factors in Social Evolution (8, M.) ; Social Rights and Duties (12, S.) ; The Family (12, S.) ; *Statistics and Mathematics* : Introduction to Statistics (10, M.) ; Mathematics Preparatory to Statistics (60, M.L.S.) ; Statistical Method (25, M.L.S.) ; General Statistics (30, M.L.S.) ; Advanced Statistics (26, M.L.S.) ; Current Statistical Questions (5, L.) ; Advanced Mathematics (26, M.L.S.) ; Business Statistics (25, M.L.S.) ; *Transport* : Organization of Transport (26, M.L.S.) ; Economics of Transport (26, M.L.S.) ; Ships in relation to their work (5, L.) ; Railway Statistics (10, L.) ; Commercial Railway Economics (20, M.L.) ; Operating Railway Economics (20, M.L.) ; General Economics with special reference to Transport (10, L.) ; Control Systems in Railway Working (10, L.) ; Railway Accounts (10, L.) ; Railway and Commercial Geography of the United Kingdom (20, M.L.) ; Rate Making (10, M.) ; Traffic Problems in Railway Electrification (10, M.).

The School affords special facilities for research in Economics, Law and Political Science. The Library, which is one of the largest in London, includes the British Library of Political Science, the Cobden Library of International Commerce and Peace, the Fry Library of International Law, and the Schuster Library of Comparative Legislation. There are separate reading-rooms for the different departments. Research students are advised and directed in their research by the senior members of the staff. A large number of seminars are held.

SCHOOL OF ORIENTAL STUDIES

Teaching is provided with opportunities for research in more than 45 *languages*; in the *history, religions, and customs* of Oriental and African peoples; *Epigraphy*; *Comparative Philology*; *Phonetics*. Fees: For single language classes, with right to attend all other lectures, 8 gs. to 16 gs. Composition, £21 a session.

INSTITUTE OF HISTORICAL RESEARCH

The Institute is the University Laboratory of History devoted exclusively to post-graduation work. It is open to historians, archivists, teachers, and research students from other approved universities.

Introductory Courses. On the Sources of English History in the Thirteenth and Fourteenth Centuries, Th. 3.30-4.30; The Sources of English History in the Fifteenth and Sixteenth Centuries, with practical work illustrating methods of Historical Research, M. 5-6. The Sources of English and Colonial History in the Eighteenth and Nineteenth Centuries, M. 5.30-6.30. The Sources of the History of British India, W. 5-6. Work on Archives, especially the Public Records; 5 lectures and demonstrations to be given in the second and third terms, M. 5.30-6.30. Mediæval Latin, Th. 6-7. Reading of Dutch Historical Texts, W. 4-5. *Seminars*: Greek Palæography, Th. 6.30-7.30. Latin Palæography, Th. 5.30-6.30. The History of England in the Reigns of Edward I. and Edward II., Th. 5-6. English History in the Fifteenth Century, M. 2.30-3.30. European Trade in the Later Middle Ages, M. 7.30-8.30. The History of London in the Fifteenth and Sixteenth Centuries, W. 5.30-6.30. English Constitutional History in the Fifteenth and Sixteenth Centuries, Tu. 5.30-6.30. English Economic History from the Sixteenth Century, Th. 6-7. English History, 1603–1606, W. 4-5. Colonial History: (*a*) The African Trade, 1660–1837. (*b*) British North America and the West Indies, 1763–1837, Tu. 5.45-6.45. Diplomatic History in the Seventeenth and Eighteenth Centuries, Th. 5.30-6.30. The Period of the Whig Ascendency, 1714–1763, F. 5.30-6.30. English Political History in the Eighteenth Century, W. 6-7. Modern French History, W. 3.30-4.30. British India, 1773–1858, M. 5-6. The History of the United States since 1783, W. 5-6. The History of the Great War, 1914–18, Th. 5.15-6.15. The Habsburg Dominions, 1848–1867, Th. 5.30-6.30. Diplomatic History, 1870–1914, Tu. 5.30-6.30. For further information regarding other seminars contemplated apply to the Secretary of the Institute, Malet Street, W.C.1.

BEDFORD COLLEGE FOR WOMEN

Facilities for post-graduation work in Science and in Arts include Pilcher Research Laboratory and Sargant Laboratory of *Plant Physio-*

logy and a Botany garden, exceptionally well equipped *English, French* and *Classical* Libraries, specialist courses for Univ. Diploma in *Journalism* and Academic Diplomas in *Geography* and *Applied Psychology*, College and Ministry of Health's certificates in *Social Studies*. Organized post-graduation courses in French, German, Spanish, Modern History, Latin, Mathematics, Botany, Chemistry, Physics. Composition fees for p.-g. and diploma courses. Fees for separate courses of lectures held once a week—2½ gs. per term.

HOUSEHOLD AND SOCIAL SCIENCE DEPARTMENT OF KING'S COLLEGE FOR WOMEN

Post-graduation classes in *Physiology, Hygiene, Bacteriology, Household Arts, Applied Chemistry*, in preparation for Certificate.

JEWS' COLLEGE

Rabbinic Literature, Jewish Theology, Jewish History and Literature.

SOUTH-EASTERN AGRICULTURAL COLLEGE, WYE

A. Schools of Agriculture and Horticulture. (Commercial Fruit Growing and Market Gardening.)

B. Facilities are provided for special research work in Agricultural Economics, Economic Entomology and Economic Mycology.

ROTHAMSTED EXPERIMENTAL STATION, HARPENDEN

Laboratories, agricultural library, and experimental farm of 300 acres. Devoted exclusively to research in problems connected with the study of soil and the growing plant in health and disease. The Station does no work on plant-breeding, animal nutrition, agricultural economics, etc. Departments: Bacteriology, Botany, Chemistry, Fermentation, General Micro-Biology, Insecticides and Fungicides, Physics, Plant Pathology (Mycology and Entomology), Statistics. Laboratories also for Algology and technique of Field Experiments. Permanent scientific staff numbers about 40. Provision for post-graduate workers who have already had the necessary training in pure science. Recognized for M.Sc., Ph.D., & D.Sc. London, and M.Sc., Ph.D. Cambridge. Special facilities for gaining experience in field work and for studying methods of agricultural investigation are afforded to graduates proceeding to take agricultural appointments in this country or overseas, and also to officers of Agricultural Departments of the Empire and others engaged in scientific agriculture overseas who, when on leave in this country, may wish to study special problems, to consult the literature, to prepare reports, etc. Facilities are available for investigations not directly connected with agriculture. No fees charged to voluntary workers for the supervision of their work, but a charge is made for apparatus, chemicals, etc., amounting to from £2 : 10s. to £5 a month ordinarily.

BATTERSEA POLYTECHNIC

Facilities for advanced study and research in *Pure Science* and in various branches of technology, *e.g. Chemical Engineering, Applied Bacteriology, Oils, Fats, Waxes and Mineral Oils, Paper-making, and*

Testing. Post-graduation evening courses in Chemical Engineering, etc., have been organised.

NORTHAMPTON POLYTECHNIC INSTITUTE

Facilities for research in *Applied Optics* and *Electrical measurement* are provided.

NORTHERN POLYTECHNIC INSTITUTE

Advanced study and research in various subjects, including *Rubber Technology* and *Piano* (and other musical instruments) manufacture.

SCHOOL OF PHARMACY, Pharmaceutical Society of Great Britain.

SIR JOHN CASS TECHNICAL INSTITUTE

Facilities for advanced study and research in *Physics, Mathematics, Chemistry, Colloids* and *Metallurgy.* Specialist courses in *Alternating Currents* and *Electrical Oscillations, Fermentation Industries,* including *Brewing* and *Micro-Biology, Petroleum Technology, Gas Manufacture,* and *Physical Metallurgy.*

MEDICAL SCHOOLS

Facilities for special research work are offered by the National Institute for Medical Research (Bio-Chemistry and Pharmacology, Exper. Pathology, Bacteriology and Protistology, Applied Optics, Applied Physiology, Medical Statistics), Lister Institute of Preventive Medicine (Bacteriology, Hygiene, Bio-Chemistry, Experimental Pathology, and Protozoology), Middlesex Hospital (Radiology and Electrology, Cancer Research), University College Hospital (Cardiography), Bethlem Royal Hospital (Neurology, Psychological Medicine), Maudsley Hospital, National Hospital for the Paralysed and Epileptic (Neurology), Royal London Ophthalmic Hospital (Ophthalmic Medicine and Surgery), Brompton Hospital for Consumption and Diseases of the Chest, London School of Hygiene and Tropical Medicine (Medical Entomology, Helminthology, Protozoology, Noxious and Venomous Animals. Fees 2 gs. per week.) For information regarding specialized courses arranged by the Fellowship of Medicine and Post-graduate Medical Association, application should be made to the Secretary, 1 Wimpole St., London, W.1.

THE UNIVERSITY OF MANCHESTER

A. Schools and Departments: *Theology, Law, Medicine, Public Health, Dental Science, Veterinary Science, Pharmacy, Music, Architecture, Commercial Science* (including *Administration*), *Engineering* (*Civil, Mechanical, Electrical and Sanitary*), *Metallurgy, Mining, Education* (including *Training of Teachers of the Deaf*), *Technology* (*Engineering, Chemistry, and Textiles*).

B. Subjects in which the University is prepared to receive candidates for the Ph.D. degree:

Candidates for the Degree of Ph.D. have been accepted to date in the following subjects: Archæology of Eastern Roman Provinces, Chemistry (Inorganic, Organic, Physical and Applied), Colloids,

Economics, Engineering, Hellenistic Studies, History, Metallurgy, Neurology, New Testament Exegesis, Pharmaceutics, Philosophy, Physics, Physiology, Psychology, Semitic Studies, Sociology, and Zoology.

The General Board of Faculties is prepared to receive applications for recognition from any other department in which candidates may desire to work.

C. Specialist Courses :

Faculty of Arts. In addition to English, French, German, Greek (Hellenistic and Classical), and Latin, instruction is given in Arabic, Chinese, Hebrew, Italian, Provençal, Russian, Spanish, and Syriac. Moreover, special attention is given to the training of students in the methods of Historical Research, with instruction in Palæography and Epigraphy. Special facilities are afforded for research in Historical Cartography by the Mills and Booker collections of maps. There are bibliographical facilities for comparative study of literary theories of the time of the Renaissance.

The Rylands Library offers unique opportunities for advanced study in many branches of modern and ancient literature, for historical research, and for studies in divinity.

Faculties of Science and Technology. In addition to the subjects in which instruction is given in the Honours Schools of the Faculty of Science, special instruction and facilities for research are furnished in the scientific laboratories in the University buildings in *Botany*, Economic (including Cotton Mycology) ; *Crystallography* ; *Electro-Chemistry* (Pure and Applied) ; *Industrial Psychology* ; *Water Supply and Irrigation*; *Hydraulics and Hydro-electric Engineering*, and *Internal Combustion Engineering* ; *Zoology*, *Parasitology*, and *Economic Zoology* (including Cotton Entomology). The recently established Graham Research Laboratory offers special facilities for the study of *Colloids*. In the Public Health Laboratories, York Place, courses are delivered and investigations may be undertaken in *Bacteriology* and *Preventive Medicine*, including *Veterinary State Medicine* and also *School and Factory Hygiene*. Research in *Mining* may be pursued either in the Faculty of Science or in the Faculty of Technology.

In the Faculty of Technology (College of Technology) complete plant is installed for practical and research work in *Brewing*, *Colouring Matters* (in the Dye Stuffs Research Laboratory), *Cotton Technology* (Spinning and Weaving, including Textile Testing), *Photographic Technology*, *Wireless Telegraphy* and *Telephony*. In the Dye House of the College complete plant is installed for *Bleaching*, *Dyeing*, *Finishing*, and *Printing*, and also for *Paper-making*. Practical and research work in High Voltage Technology in the High Tension Laboratory.

Faculty of Medicine. Research may be pursued in any of the subjects forming part of the courses leading to the degrees of M.B. and Ch.B., but special facilities exist for the study of *Cancer Research* (in the Helen Swindells Laboratory and the Christie Cancer Pavilion, and in conjunction with the local Cancer Research Committee), *Human Physio-*

logy and *Bio-Chemistry, Neurology* and *Psychological Medicine*, and in *Factory* and *School Hygiene*, and in *Preventive Medicine* in the Public Health Laboratory (*see* Faculty of Science Prospectus and above).

A Laboratory for Clinical Investigations and Research has been established in the Manchester Royal Infirmary under a director appointed by the University.

A scheme arranged in conjunction with various local hospitals provides, in addition to the existing post-graduate courses (D.P.M., D.P.H., Dp. Bact., D.V.S.M.), for intensive general courses in Medicine, Surgery, Obstetrics and Gynæcology; for advanced courses, each of about ten weeks' duration, in (1) Diseases of the *Digestive System*; (2) *Neurology*; (3) Diseases of the *Circulatory System*; (4) Diseases of *Children*; (5) *Orthopædic Surgery*; and (6) *Genito-Urinary* diseases; and for other special courses.

Faculty of Commerce and Administration. The University has received valuable gifts and loans of collections of eighteenth and early nineteenth century records of firms engaged in the cotton industry and trade and in allied industries, and this material is available for students working in the department.

Faculty of Theology. The John Rylands Library contains valuable material on which work can be pursued under the direction of the Professor of *Comparative Religion*, and in connexion with the subject of *Christian Epigraphy* there are special facilities, particularly in connexion with the recent investigations conducted in Asia Minor by the lecturer in that subject.

Faculty of Education. Research in *Education* leading to the degree of M.Ed. may be pursued under the supervision of the Director of this department.

Post-Graduate Diplomas and Certificates

The following post-graduate diplomas are obtainable:

Bacteriology, Geography, Psychological Medicine, Public Health, Veterinary State Medicine, Teacher's Diploma.

The following post-graduate certificates are obtainable:

Factory and School Hygiene, Teachers of the Deaf.

UNIVERSITY OF OXFORD

For information regarding courses leading to Degrees open to graduates of other Universities the pamphlet on Facilities for Advanced Studies and Research published by the University Press should be consulted. The Degrees in question are those of B.Litt., B.Sc., D.Phil., B.C.L., and B.D. The pamphlet may be obtained at the Clarendon Press Depository, 116 High Street, Oxford.

UNIVERSITY OF READING

A. Schools and Departments: *Agriculture, Dairying, Horticulture, Education, Commerce, Fine Art and Crafts, Music, Domestic Subjects.*

B. The University is prepared to receive candidates for the Ph.D. degree in *Philosophy, English, French, History, Physics, Chemistry,* and *Botany.* Applications for preparation for the degree in other subjects in the Faculties of Letters and Science can be considered. Post-graduation courses are also provided in *Agriculture* and *Horticulture.*

C. Specialist subjects :

Exceptional attention is given to *Dairying Science and Practice.* Students wishing to undertake advanced work in this subject should first obtain a degree in Science or a degree or a diploma or diplomas in Agriculture or Dairying. They could then undertake advanced work either in the University laboratories and the British Dairy Institute in Reading or at the National Institute for Research in Dairying (forming part of the University) at Shinfield. The University courses usually begin in October. A post-graduation or post-diploma course would usually occupy at least a year.

UNIVERSITY OF SHEFFIELD

A. Schools and Departments: *Law, Medicine, Dental Science, Civic Art, Architecture, Engineering, Metallurgy, Mining, Fuel Technology, Glass Technology, Education.*

B. Subjects in which the University is prepared to receive candidates for the Ph.D. degree :

Candidates for Ph.D. degree are received in the Faculties of ARTS, PURE SCIENCE, LAW, ENGINEERING (including *Mining, Fuel Technology, Glass Technology*), METALLURGY.

C. Specialist subjects :

Pharmacology. The Animal Nutrition Laboratories are a special feature of the University, where research workers who are graduates in Science or Medicine are admitted to work under the Professor of Pharmacology. *Physiology.* In this Department special facilities are offered for research in Physiology and Physiol. Chemistry for graduates in Science or Medicine. *Engineering.* The Laboratories are equipped for courses of experimental work in Heat Engines, Hydraulics, Strength of Materials and Structures, and Electrical Engineering. In connexion with the Civil Engineering Course several weeks are spent in the field carrying out important surveys. The University awards the degrees of B.Eng., three years being spent for a Pass Degree and four years for Honours, and the Higher Degrees of M.Eng., Ph.D., and D.Eng. Students may take what is known as the " sandwich " course, which includes attendance at the University during the Winter Session, and practical training at an approved works during the six summer months. This course extends over a minimum period of four years. The Laboratories are provided with apparatus and machines for testing the mechanical properties of materials. There is a complete equipment for investigating the resistance of metals to fatigue and the effect of temperature on their properties. A special laboratory is equipped for and devoted to the investigation of the magnetic properties of steels.

Metallurgy. The University is the most fully equipped educational institution in the country for the study of the Metallurgy of Iron and Steel. Attached to the department are large-scale laboratories in which steel can be melted in the crucible open-hearth and electric furnaces, and heat-treatment can be carried out. The research laboratories are equipped with micrographic and physical apparatus, including a high-frequency induction furnace. The Department of Refractories includes laboratories for research. *Mining.* Courses in Mining Engineering, including the practice of Mining, Mine Surveying, Mining Chemistry, Geology, and Electrical Engineering. The " sandwich " courses for Degree and Diploma in Mining course are recognized by the Mines Department, Board of Trade, as exempting from 2 of the 5 years' practical experience required for Colliery Manager's certificate. In the first year students spend 3 terms at the Univ. and 6 months at a colliery under Univ. regulations. Facilities provided for research. *Fuel Technology.* Courses embodying the practical evaluation of Solid, Liquid, and Gaseous Fuels, Coal Carbonization and By-product recovery, and Electro-Technology. Practical experience in working a modern gas producer in conjunction with steel-melting furnaces, and in Pyrometry. *Technology of Glass.* Courses of instruction in general technology of glass, physical properties of glass, glassworks machinery and furnace construction, and practical work includes analytical methods, pyrometry, physical testing and melting of glass on a considerable scale. The Department has been equipped as a special research institute.

UNIVERSITY OF WALES

University College of Wales, Aberystwyth

A. Schools and Departments: *Law*; *Music*; *Agriculture* (including *Plant Breeding*); *Education*; *Arts and Crafts.*

B. Post-graduation courses leading to the Ph.D. or other higher degrees:

Arts: *Classics*; *English*; *French*; *German*; *Celtic*; *History*; *Politics*; *Economics*; *Philosophy*; *Geography*; *Education*; *Mathematics.*

Science: *Mathematics*; *Physics*; *Chemistry*; *Botany*; *Agriculture*; *Zoology*; *Geology*; *Geography*; *Anthropology.*

C. Specialist Subjects:

Anthropology—Comparative Religion, early social organization, folk-lore, prehistoric archæology, mapping of human distributions, physical anthropology. *Botany*—Maritime life-histories and ecology. *Classics*—Rhythms of ancient prose, word-order. *Education*—Problems of bi-lingualism. *History* of British Dominions and of Latin America. *Plant Breeding*—Special study of breeds of grasses. *Politics and Economics*—Mediæval economics, modern international problems. *Zoology*—Marine faunistic work, plumbism, entomology.

UNIVERSITY COLLEGE OF NORTH WALES, BANGOR

A. Schools of *Theology, Music, Education, Agriculture, Forestry.*

B. Subjects in which the college is prepared to receive candidates for the Ph.D.:

Welsh History, Welsh Language and Literature, Comparative Philology (especially Celtic and Teutonic), *Semitics, Mathematics, Physics, Chemistry, Botany, Zoology, Agricultural Chemistry, Botany and Zoology,* and other subjects, provided the special investigation proposed is suitable.

C. Specialist Courses:

Welsh History. Mediæval History: The Reformation in Wales: Religious and Social Conditions in the eighteenth and nineteenth centuries: Economic History. *Welsh Literature.* Ancient Welsh Poetry: Dafydd ap Gwilym: Welsh prosody: modern Welsh Literature: Comparative Celtic Philology. *German.* Germanic Philology: German Dialects: Middle High German Poetry. *Semitics.* Semitic Philology: Hebrew (Old Testament problems): Arabic (Classical: Modern dialects of Syria and Egypt: Arabic grammar as set forth by Arab grammarians): Courses in Babylonian, Assyrian, Syriac, and Biblical Aramaic.

UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE, CARDIFF

A. Schools of *Education, Music, Engineering, Metallurgy, Mining, Medicine* (including *Public Health Science* and *Tuberculosis*).

B. Subjects in which the College is prepared to receive candidates for Ph.D. degree:

ARTS: *Greek, Latin, English, Welsh, French, German, Hebrew and Arabic* (including Syriac), *Mathematics, Economics and Political Science, Philosophy, Education.*

SCIENCE: *Botany, Chemistry, Geology, Mathematics, Physics, Physiology, Zoology.*

TECHNOLOGY: *Engineering, Metallurgy, Mining.*

C. Specialist Subjects:

ARTS: *Greek Drama*; *Modern English Drama*; *History of Latin Language* and *Literature*; *Roman History,* with study of Roman Britain, with field work; *Comparative Literature* of Wales and France in the Middle Ages; *Arthurian Legend*; *Anglo-Norman*; *Arabic* (including Syriac); *Money and Banking.*

SCIENCE: *Chemistry.* Experimental work on the Phase Rule and on the mechanism of reactions. *Engineering.* Theory of structures, with special reference to aircraft. *Geology.* The South Wales coalfield and the lower Palæozoic rocks of Wales and of "Siluria." *Mathematics.* Mathematical Physics. *Physiology.* Experimental Neurology and Bio-Chemistry. *Zoology.* The Crustacea.

MEDICINE: Special opportunities for research work in biochemistry, experimental physiology, and the physiology of the nervous system. Unusual facilities, organized by the Professor of Tuberculosis, are given for instruction for the Diploma in Tuberculous Diseases (T.D.D., Wales), which is awarded to qualified medical men who, in addition to complying with certain specified conditions, have pursued and successfully completed a course of study extending over 6 months.

UNIVERSITY COLLEGE OF SWANSEA

A. Schools of *Metallurgy, Engineering, Education.*

B. Subjects in which the College is prepared to receive candidates for the Ph.D. degree:

ARTS: *Welsh Language* and *Literature, Welsh History, Philosophy.*

SCIENCE: *Mathematics, Physics, Chemistry, Botany, Geology, Metallurgy, Engineering.*

Other subjects, provided that the special subject proposed is suitable.

C. Specialist Subject:

Metallurgy (Ferrous and Non-ferrous).

UNIVERSITY COLLEGE OF THE SOUTH-WEST OF ENGLAND, EXETER

A. Schools of *Music, Education, Pharmacy.*

B. Subjects in which the College is prepared to receive candidates for the Ph.D. degree:

English, Physics. Other departments in Arts and Pure Science could also receive candidates in a certain limited range of subjects.

C. Specialist Subjects:

Cornish Language and *Antiquities*, intended for students who have made some progress in Celtic studies. Part of the Course will be given in Cornwall. Students may enter for it at the beginning of any of the three terms. Fee 5 guineas per term.

UNIVERSITY COLLEGE OF NOTTINGHAM

A. Schools and Departments: *Music, Commercial Science, Engineering, Mining, Agriculture* and *Dairying, Textiles, Pharmacy, Education.*

B. Subjects in which the College is prepared to receive candidates for the Ph.D. degree of London:

Philosophy, English, French, History, Physics, Chemistry, Botany, Geology, Mathematics, Engineering, Economics, Education.

C. Specialist Subjects:

Slavonic Languages, Fuel, Coal and *Gas Technology, Textiles, Adult Education.* One-year course for graduates desirous of qualifying as Tutors of University Tutorial Classes leading to Diploma in Education. Fee 12 guineas.

UNIVERSITY COLLEGE OF SOUTHAMPTON

A. Schools of *Music, Commercial Science, Engineering, Education.*

B. Subjects in which the College is prepared to receive candidates for the Ph.D. degree.

Various departments of ARTS and SCIENCE, EDUCATION and ENGINEERING.

UNIVERSITY OF ABERDEEN

A. Schools of *Theology, Law, Medicine, Fine Art, Commercial Science, Agriculture, Forestry, Education, Engineering.*

B. Subjects in which the University is prepared to receive candidates for the Ph.D. degree. Applications for admission to courses of study and research for the Ph.D. Degree will be considered when received. There are special Post-graduation Courses in Theology.

C. Specialist Subjects :

Celtic, Comparative Philology, Oceanography and Fisheries, Comparative Psychology, Cancer Research, Parasitology and Helminthology, Meteorology.

Special facilities for Post-graduation and Research work in Animal Nutrition and cognate subjects are afforded by the Rowett Research Institute and Experimental Farm.

UNIVERSITY OF EDINBURGH

A. Schools and Departments : *Theology, Law, Medicine, Tropical Medicine, Pure Science, Technical Chemistry, Veterinary Science, Music, Art, Commercial Science, Engineering, Mining, Agriculture, Forestry, Education.*

B. Post-graduation Courses are provided in the following amongst other subjects :

Latin ; *Greek* ; *Classical Archæology* and *Hellenic Art* ; *Greek* and *Roman History* ; *English Literature* and *Rhetoric* ; *French Literature* ; *German Historical Grammar* and *Literature* ; *Italian* ; *Literary Relations* of England and Italy during the seventeenth, eighteenth and nineteenth centuries ; *Spanish, Mediæval Text* and Linguistic problems (the Advocates' Library has a specially interesting collection of old and rare Spanish books) ; *Semitic Languages* ; *Theology,* by the University Professors and the staff of New College and of Coates Hall ; *Logic, Metaphysics, History of Philosophy* and *Ethics* ; *Psychology* ; *Education* ; *Economics* ; Pure and Applied *Mathematics* ; *Natural Philosophy* ; *Chemistry* (Note—In this Department a new building with complete equipment for teaching and research work has recently been erected at a cost of over £200,000) ; *Zoology* ; *Botany* ; *Geology* ; *History* ; *Constitutional History* ; *Scottish History* ; *Engineering* ; *Law* ; *Medicine* ; *Forensic Medicine* ; *History of Medicine* ; *Pharmacology* ; *Gynæcology* ; *Pathology* and *Bacteriology* ; *Psychiatry* ; *Radiology* ; *Surgery* ; *Therapeutics* ; *Tuberculosis.*

For information regarding the subjects in which the University is prepared to receive candidates for the Ph.D. degree, inquiries should be addressed to the Secretary to the University, or to the Dean of the Faculty concerned.

For information regarding Post-graduation Courses in Medicine application should be made to the Secretary, P.-G. C. in M., New Buildings, Edinburgh.

C. Specialist Subjects :

Celtic. A. Ordinary Course—Open only to students who have passed a preliminary test. B. Course for graduates—Modern and Middle Gaelic texts ; Middle Irish Grammar ; Gaelic Literature, Philology, etc. C. Honours Courses, including Manx, Old Irish, History of Celtic Britain and Ireland and of the Celtic Church, Comparative Philology. *Sanskrit and Comparative Philology*, with *Indian Religion and Philosophy*. *Arabic*, Junior, Senior and Honours Courses. *Scottish History and Palæography*. A. Ordinary Course. B. Honours Course, designed to aid students in dealing with original authorities. C. Palæography, directed mainly to the practical study of Scottish records. *Colonial* and *Indian History*. A. Ordinary Course—divided into *a*, the old Colonial System (to 1783) ; *b*, the Self-governing Dominions ; *c*, India, Crown Colonies, and Dependencies. B. Honours Course. The Self-governing Colonies since 1837. *Fine Art*. Graduation Course—The History and Theory of the Fine Arts from the earliest manifestations of Art in primitive civilization, through Egypt and Babylonia, and the Classical, Early Christian, and Mediæval epochs, to the more modern developments of Painting and the other arts in our own days. *Geography*. A. Ordinary Course covering cartography, climatology, oceanography, and political and economic geography, especially of the Mediterranean region and Central and Western Europe. B. Honours Course—Economic Geography, History of Geography, Historical Geography, Economic Ethnography. The Diploma in Geography is obtainable by graduates of other universities. *Actuarial Science*. There is a Diploma in Actuarial Mathematics, the teaching for which is provided by the Faculty of Actuaries and the University jointly. *Mathematics*. The Mathematical Institute (a large separate building) contains a Mathematical Laboratory for advanced practical computations. *Astronomy*. Lectures at the University, practical exercises at the Royal Observatory, Blackford Hill. *Agriculture*. The course includes the History of British Agriculture, Indian and Colonial Agriculture, etc. *Forestry*. The course includes Indian Forest Trees ; practical work at Dreghorn and in various British and French woods. *Veterinary Science*. The course includes the Origin and History of the more important Domestic Animals ; Genetics in relation to Animal Breeding.

UNIVERSITY OF GLASGOW

A. Schools of *Theology, Law, Medicine, Pharmacy* (Royal Technical Coll.), *Architecture* (R. Tech. Coll.), *Naval Architecture* and *Marine Engineering, Engineering, Metallurgy* (R. Tech. Coll.), *Mining, Mining*

Geology, Agriculture, including *Dairying* (West of Scotland Agricultural Coll.), *Education.*

B. Subjects in which the University is prepared to receive candidates for the Ph.D. degree :

In relation to the above, candidates should submit their applications to the Clerk of Senate, giving details of the subject or subjects which it is proposed to study. The University is able to arrange for Post-graduation work in the following : *English, History* (Modern and Mediæval), *Scottish History and Literature, Constitutional Law and History, Logic, Moral Philosophy, Political Economy* (including *Political Philosophy, Social Economics* and *Economic History*), *Education, Latin, Greek, French, German, Italian, Celtic, Russian, Hebrew, Arabic, Mathematics, Natural Philosophy* and *Applied Physics, Chemistry, Astronomy, Botany, Zoology, Geology, Geography ; Civil, Electrical, Mining, Chemical Engineering ; Theory and Practice of Heat Engines, Naval Architecture* with *Marine Engineering ; Anatomy, Physiology, Physiological Chemistry, Materia Medica, Pathology, Bacteriology, Public Health, Forensic Medicine, Medical Pædiatrics, Practice of Medicine, Surgery, Midwifery, Obstetrics* and *Gynæcology* ; *Divinity, Biblical Criticism, Ecclesiastical History* ; *Scots Law, Conveyancing, Mercantile Law, Civil Law, Public International Law, International Private Law, Jurisprudence, Accountancy.*

Note.—Subdivisions of the above subjects are not detailed here. Information as to these can be had from the Clerk of Senate.

The Glasgow Post-graduate Medical Association offers exceptional opportunities for advanced study. Among others, courses may be had in the following : *Clinical Medicine* (*e.g.* Diseases of the Nervous System, Diseases of the Heart), *Infectious Fevers* and *Tuberculosis, Clinical Surgery, Diseases of the Eye, Obstetrics, Venereal Diseases, Diseases* of the *Ear, Nose* and *Throat, Children's Diseases, Gynæcology, X-rays, Skin Diseases.* (Application for information should be made to the Secretary, Glasgow Post-Graduate Medical Association, The University, Glasgow.

For information regarding the *Diploma in Public Health,* application should be made to the University Registrar.

C. Specialist Subjects : The Senate, with the approval of the University Court, has recently instituted for Graduates and other advanced students (chiefly from Universities overseas), Post-graduate Diplomas and Certificates for Special Study in Arts. The subjects at present recognized for special study are : *Islamic History, Greek History and Archæology, Roman History and Antiquities, Comparative Philology, Hellenistic Greek, Psychology.*

Royal Technical College, Glasgow

Provision is made for post-graduation studies of candidates for Ph.D. and other higher degrees, and the Associateship of the College is awarded to qualified students who have taken an approved course of advanced study and research. Special apparatus is available for research in the following subjects :

Technical Chemistry. Operations in industrial Chemistry. The Experimental plant includes filter and hydraulic presses, vacuum pan, double-effect evaporator, etc. Fuels, Oils, Dyes and Dyeing. The *School of Sugar Manufacture* forms part of this department and includes plant for experiments on a large scale. *Metallurgy* : Physical properties of metals and their alloys, and of slags and refractories. Apparatus for determination of thermal, electrical and magnetic properties ; dilatation determinations ; thermionic emissivity of metals. *Strength of Materials* : Strength and fatigue of materials at high temperatures and in different atmospheres. *Mechanical Engineering* : Losses in steam nozzles and in turbine blades ; temperature distribution and fuel efficiency in internal combustion engines ; heat transmission from fluid to fluid, across metal surfaces ; frictional resistances, etc. Advanced lecture courses are also given in special branches of technical dynamics such as : critical speeds of turbine shafts, torsional oscillations of crank and propeller shafts ; stresses in turbine discs, etc. *Electrical Engineering* : Railway electrification ; all types of electrical machinery ; interference with communication circuits by power circuits ; domestic electrical apparatus. Advanced courses deal with turbo-alternators, electric traction, etc. *Hydraulic Engineering* : Experimental study of losses in water flow and of the action of water in turbine and reciprocating pumps.

Composition fee, twenty-five guineas per annum.

UNIVERSITY OF ST. ANDREWS

A. Schools of *Theology, Medicine, Engineering.*

B. Provision is made for advanced study and research in the following departments :

Latin, Greek, Hebrew, English, French, German, Philosophy, Psychology on its philosophical side, and more particularly in its relation to Theory of Knowledge ; *Moral Philosophy, Moslem Philosophy* and *Religion, Education, History, Scottish History, Ecclesiastical History, Mathematics, Natural Philosophy, Chemistry,* especially carbohydrates and sugars, Constitution of Natural Products, Essential Oils, Optical Activity ; *Zoology,* including work at the Gatty Marine Laboratory in St. Andrews Bay ; *Botany, Geology, Anatomy* (*Anthropology and Embryology*), *Physiology,* especially the Ductless Glands and Metabolism ; *Ophthalmology, Bacteriology.*

UNIVERSITY OF BELFAST

A. Schools and Departments : *Law, Medicine, Dental Science, Commercial Science, Civil Engineering, Applied Science* (Municipal College of Technology), *Education, Agriculture.*

B. Subjects in which the University is prepared to accept students for the Ph.D. or other higher degree. Application for admission to courses of Post-graduation study will be considered as and when received.

C. Specialist subjects:

In conjunction with the Ministry of Agriculture, the department of *Agricultural Chemistry* is responsible for research work in Animal Nutrition and Soils and Plant Nutrition ; the department of *Agricultural Botany* has charge of " Seed Testing " and Plant Pathology Research in Northern Ireland. Extensive laboratories are in course of erection. Ample facilities also exist for Post-graduation work on Plant Genetics and Animal Hygiene at the Plant-breeding and Animal Pathology laboratories of the Ministry of Agriculture. *Naval Architecture.* Ship Design and Construction, Stability and Oscillation of ships, Resistance and Propulsion of ships, Marine Engineering. *Chemical Technology.* Bleaching, Dyeing, Finishing and Printing of Textile fibres and fabrics. *Textile Technology.* Flax culture, preparation and spinning, designing and colouring of woven fabrics ; Textile costing, testing and analysis ; weaving mechanism ; Mill and Factory equipment and administration. The Departments of *Bio-Chemistry* and *Bacteriology* afford facilities for Post-graduation research on these subjects.

UNIVERSITY OF DUBLIN, TRINITY COLLEGE

A. Schools of *Divinity, Law, Physic, Dental Science, Engineering, Agriculture, Music, Education, Commerce.*

For information regarding courses leading to the degree of Ph.D. in the various Faculties ; to the degree of Master in the Faculties of Engineering, Surgery and Midwifery ; and to the degree of Doctor in the Faculties of Divinity, Law, Medicine, Science, Literature and Music, application should be made to the Registrar, Trinity College, Dublin.

A pamphlet setting forth the facilities for advanced study and research can be obtained on application to the Registrar.

NATIONAL UNIVERSITY OF IRELAND

A. Schools of *Law* (University Colleges of Dublin, Cork, and Galway), *Medicine* (Dublin, Cork, and Galway), *Dental Science* (Dublin and Cork), *Music* (Dublin and Cork), *Architecture* (Dublin and Cork), *Commercial Science* (Dublin, Cork, and Galway), *Engineering* (Dublin, Cork, and Galway), *Agriculture, Forestry,* and *Horticulture* (Dublin and Cork), *Education* (Dublin, Cork, and Galway), *Dairy Science* (Cork). Specialist courses in all Univ. Colls. in *Celtic Archæology, Celtic and Irish Languages and Literatures, Irish History* ; in Univ. Coll., Dublin, in *Anthropology,* and in Univ. Coll., Cork, in *Applied Chemistry* and *Agricultural Economics.*

XXVII

A LIST OF CENTRES OF RESEARCH OUTSIDE THE UNIVERSITIES AND UNIVERSITY COLLEGES

Research Stations under the Department of Scientific and Industrial Research

1. National Physical Laboratory, Teddington, Middlesex. The Laboratory comprises the following Departments: Physics, Electricity, Metrology, Engineering, Aerodynamics, Metallurgy and Metallurgical Chemistry, William Froude National Tank.
2. H.M. Fuel Research Station, Blackwall Lane, Greenwich, S.E.10.
3. Geological Survey of Great Britain and Museum of Practical Geology, 28 Jermyn Street, S.W.1.
4. Forest Products Research Laboratory, c/o Royal Aircraft Establishment, S. Farnborough, Hants.
5. Building Research Station, Bucknall's Lane, Garston, near Watford.
6. Radio Research Station, Ditton Park, Langley, Bucks.
7. Chemical Research Laboratory, Teddington, Middlesex.
8. Low Temperature Research Station, Downing St., Cambridge.
9. British Museum Laboratory, 39 Russell Sq., W.C.

Other Centres of Research

10. British Museum (Natural History), Cromwell Rd., London, S.W.7.
11. Imperial Institute, South Kensington, London, S.W.7.
12. Imperial Bureau of Entomology, Natural History Museum, Cromwell Road, London, S.W.7.
13. Imperial Bureau of Mycology, 17 Kew Green, Kew, Surrey.
14. Royal Botanic Gardens, Kew, Surrey.
15. National Institute of Agricultural Botany, Cambridge.
16. Rothamsted Experimental Station, Harpenden, Herts.
17. Empire Cotton-Growing Corporation, Millbank House, 2 Wood Street, Millbank, London, S.W.1.
18. Harper Adams Agricultural College, Newport, Salop.
19. Midland Agricultural and Dairy College, Sutton Bonington, Loughborough.
20. Seale-Hayne Agricultural College, Newton Abbot, Devon.
21. The West of Scotland Agricultural College, 6 Blythswood Square, Glasgow.
22. East of Scotland Agricultural College, 13 George Square, Edinburgh.
23. North of Scotland College of Agriculture, 41½ Union Street, Aberdeen.
24. Scottish Society for Research in Plant-Breeding, Corstorphine.

25. Animal Diseases Research Association (Scotland), 83 Buccleuch Street, Glasgow.
26. Research Institute in Animal Pathology, Royal Veterinary College, Camden Town, London, N.W.1.
27. Veterinary Laboratory of the Ministry of Agriculture and Fisheries, Weybridge.
28. Horticultural Research Station, Walthamstow.
29. Horticultural College for Women, Swanley, Kent.
30. Horticultural Research Station, East Malling, Kent. (Chiefly fruit and hops.)
31. Experimental and Research (Glasshouse) Station, Cheshunt.
32. John Innes Horticultural Institution, Mostyn Rd., Merton, London, S.W.19.
33. Scottish Marine Biological Association, Millport, Scotland.
34. Marine Biological Association of the United Kingdom, The Laboratory, Citadel Hill, Plymouth.
35. Davy-Faraday Research Laboratories of the Royal Institution of Great Britain, 20 and 21 Albemarle St., London, W.1. Director —Sir Wm. Henry Bragg, K.B.E., M.A., D.Sc., F.R.S.
36. Industrial Institute, 102 Belgrave Road, London, S.W.1.
37. National Institute of Industrial Psychology, 329 High Holborn, London, W.C.1.

[Persons wishing to avail themselves of the resources of any of the above centres are advised to call in the first instance for suggestions and advice on the Ministry of Agriculture and Fisheries in London, or the Board of Agriculture in Scotland, if the subjects in which they are interested fall within the purview of these Departments, and in regard to centres 1 to 9 on the Department of Scientific and Industrial Research.]

Research Associations established under the Scheme of the Department of Scientific and Industrial Research

British Photographic Research Association, 30 Russell Square, London, W.C.1.

British Scientific Instrument Research Association, 26 Russell Square, London.

British Research Association for the Woollen and Worsted Industries, "Torridon," Headingley, Leeds.

Research Association of British Motor and Allied Manufacturers, 15 Bolton Road, Chiswick, London, W.4.

British Boot, Shoe and Allied Trades Research Association, Regent House, Kingsway, London, W.C.2.

British Cotton Industry Research Association, Shirley Institute, Didsbury, Manchester.

British Iron Manufacturers' Research Association, Atlantic Chambers, Brazennose Street, Manchester.

Linen Industry Research Association, Lambeg, Belfast.

Research Association of British Rubber and Tyre Manufacturers, 105/107 Lansdowne Road, Croydon, Surrey.

British Association of Research for Cocoa, Chocolate, Sugar, Confectionery and Jam Trades, 22 Buckingham Gate, London, S.W.1.
British Food Manufacturers' Research Association, 22 Buckingham Gate, London, S.W.1.
British Non-Ferrous Metals Research Association, Athenæum Chambers, 71 Temple Row, Birmingham.
British Refractories Research Association, 22 Surrey Street, Strand, London, W.C.2.
Scottish Shale Oil Scientific and Industrial Research Association, 53 Bothwell Street, Glasgow.
British Launderers' Research Association, 17 Lancaster Gate, London, W.2.
British Leather Manufacturers' Research Association, 26 St. Thomas' Street, London, S.E.1.
British Cutlery Research Association, P.O. Box 49, Sheffield.
British Electrical and Allied Industries Research Association, 36/38 Kingsway, W.C.2.
British Motor Cycle and Cycle Car Research Association, "The Towers," Warwick Road, Coventry.
British Silk Research Association, 19 Russell Square, London, W.C.1.
British Cast Iron Research Association, 24 St. Paul's Square, Birmingham.
Research Association of British Flour Millers, 40 Trinity Square, London, E.C.3.
British Colliery Owners' Research Association, c/o The Mining Association of Great Britain, General Buildings, Aldwych, W.C.2.
Research Association of British Paint, Colour, and Varnish Manufacturers, 8 St. Martin's Place, Trafalgar Square, W.C.2.

[The following notes are based on replies received to an inquiry as to what opportunities are available at these centres for research by visitors from outlying parts of the Empire.]

1-9. Research workers from overseas are not accommodated in the research stations of the Department of Scientific and Industrial Research unless sent by Dominion and Colonial Governments by arrangement with the Department. Visitors from the Dominions or Colonies making enquiries on subjects falling within the scope of the various stations will, however, be supplied with such information as is available for communication.

3. THE GEOLOGICAL SURVEY AND MUSEUM assists students and others doing research as follows: (*a*) Palæontology, Petrology and Mineralogy; the collections of British fossils, rocks, and minerals are always available under the guidance of the officer in charge. If sufficient reason is shown specimens may be lent out. Microscopes and all necessary apparatus are provided in the Survey's laboratories. (*b*) Mapping and field work. In the library large scale maps of all parts of Britain which have been geologically surveyed are open for reference, and often the officers who

made the maps are at hand to explain points of difficulty. (*c*) The library is especially rich in foreign surveys and in British geological literature. The public are admitted freely.

10. BRITISH MUSEUM (NATURAL HISTORY). Departments: Zoology, Entomology, Geology (Palæontology), Mineralogy, Botany. In addition to the specimens exhibited in the public Galleries, much larger series are contained in the study-collections, which can be consulted or used for purposes of research by duly qualified workers. The function of the Museum is primarily to preserve representatives of the animals and plants (including fossils) of the entire world and of such inorganic natural productions as minerals, rocks, and meteorites. The systematic determination, description, and classification of this material constitute the principal research-work of the scientific staff (49 members) and other helpers. This forms the basis of further scientific research carried on either inside or outside the Museum, such as the study of variation, methods of organic evolution, geographical distribution of animals and plants, correlation of strata, chemical and physical properties of rocks and minerals, study of crystals. All these branches of science may in turn be applied to the solution of practical problems.

11. IMPERIAL INSTITUTE. The principal object of the Institute is to promote the utilization of the raw materials of the Empire, and the investigations carried out in its laboratories are primarily directed to this end. The work includes the examination of all kinds of plant products and minerals; special laboratories have also been installed for the testing of timbers, rubber, cement and ceramic materials. The results of the principal investigations are published in the quarterly bulletin of the Institute and in papers contributed to scientific and technical societies. Valuable information relating to the composition, properties, etc., of raw materials of all kinds has been accumulated in the course of the work, and the Institute will be glad to assist overseas research workers dealing with such materials by supplying any available information regarding particular products in which they are interested. Arrangements have been made in special cases for workers from overseas to carry out investigations in the laboratories of the Institute.

The *Imperial Mineral Resources Bureau* was amalgamated with the Institute in 1925.

12. IMPERIAL BUREAU OF ENTOMOLOGY. An information and identification bureau to assist economic entomologists throughout the Empire. The publications include the *Review of Applied Entomology*, Series "A" (Agricultural) and Series "B" (Medical and Veterinary); the *Bulletin of Entomological Research*; and the *Zoological Record*, part "Insecta." A large lending library is available.

13. IMPERIAL BUREAU OF MYCOLOGY. Mycologists from overseas are admitted to its laboratories to the extent to which space is available. A large lending library of pamphlets is maintained. *Review of Applied Mycology*, published by the Bureau monthly, contains detailed abstracts in English of all work published in any part of the world.

14. ROYAL BOTANIC GARDENS, KEW, afford to botanists, especially from the Colonies, facilities for carrying out scientific investigations in the Library, Herbarium, Economic Museums, and the Jodrell Laboratory. The principal botanical work carried out is concerned with the preparation of Colonial Floras and the naming of plant collections from abroad. Information is also supplied on botanical matters to all parts of the Empire. Research work is carried out on matters relating to Economic, Systematic, and Phytogeographical Botany and also in Mycology. Botanists should apply to the Director for permission to work in the Herbarium or in the Laboratory.

15. THE NATIONAL INSTITUTE OF AGRICULTURAL BOTANY, Huntingdon Road, Cambridge, was established in 1919 to improve the yield and quality of farm crops. The two main branches of the work are (*a*) Crop Improvement, covering field trials of farm crops at six regular sub-stations in England and Wales, and occasionally at other centres, the distribution of seed of improved varieties, and at the Potato Testing Station, Ormskirk, the official trials of potatoes for immunity from wart disease; (*b*) Official Seed Testing Station for England and Wales at Cambridge, which makes laboratory tests of the purity and germination of seed samples, and undertakes research work on seed problems. In approved cases facilities would be given for post-graduation research. Reports of work done are issued in the Institute's *Journal*. Periodical meetings of Fellows of the Inst. are held for discussion, etc. A course and examn. in the theory and practice of seed testing will be held in the summer of 1927; probable fee for course (four to five weeks), £5 : 5s.; for examn., £1 : 1s.

16. THE ROTHAMSTED EXPERIMENTAL STATION, HARPENDEN, HERTS, founded in 1843, is controlled by the Lawes Agricultural Trust (Endowment Fund, £100,000), with which the Incorporated Society for Extending the Rothamsted Experiments (founded 1904) co-operates. Annual grants are received from the Ministry of Agriculture, which also gives Capital Funds for an approved purpose. The Station includes extensive laboratories, glasshouses for the study of Plant Nutrition and Soil Problems and Plant Pathology, an area of 300 acres of land for the purpose of Farm and Experimental Fields, and a Library of 15,000 volumes.

Provision is made for Post-graduate Research work, and for studies by agriculturists and others on leave from Agricultural Departments in the Empire.

17. EMPIRE COTTON-GROWING CORPORATION subsidizes research by studentships, grants to institutions for research, etc., and in 1926 established a Cotton Research Station in Trinidad, where the chief subjects of study will be the genetics and physiology of the cotton plant.

18. HARPER ADAMS AGRICULTURAL COLLEGE provides facilities for research workers in Agriculture, or in Chemistry, Mycology, Entomology or Economics in their application to Agriculture. The National Institute of Poultry Husbandry is located at the College, and provides

extensive facilities for poultry research. Reports are published in the form of separate bulletins as well as in journals, such as the *Journal of Agricultural Science*, *Bio-chemical Journal*, and *Annals of Applied Biology*.

19. MIDLAND AGRICULTURAL AND DAIRY COLLEGE. Visitors admitted for research work in the Chemistry Laboratories, or in Dairying or Costings, at 60s. per week, including board and lodging. Reports on experiments and small matters of research are issued from time to time.

20. SEALE-HAYNE AGRICULTURAL COLLEGE. Of the college farm (339 acres with a subsoil of sandstone and shale) 20 acres are devoted to field experiments. There are 100 small botanical plots. The research work is chiefly in connexion with insect and fungous pests. Experts from overseas proposing to visit the College would be welcomed, and arrangements could probably be made for them to work there temporarily. Results of experiments are published in pamphlets.

21. THE WEST OF SCOTLAND AGRICULTURAL COLLEGE, GLASGOW. Applications by experts employed by the Government or Industrial Corporations in the British Empire overseas for permission to visit the College or for copies of bulletins will receive attention.

23. NORTH OF SCOTLAND COLLEGE OF AGRICULTURE. Experiments on farm crops on the College Farm at Craibstone, near Aberdeen; research work in Soils and Drainage and in Entomology; results of experiments and research published in bulletins.

24. ANIMAL DISEASES RESEARCH ASSOCIATION (SCOTLAND). A new Institute has been built at Moredun, Gilmerton, Edinburgh, and a suite of rooms have been taken over at the Royal (Dick) Veterinary College. At present the diseases of sheep and grass disease of horses occupy the staff. The range of work will be extended in the near future to other diseases of animals of Scotland. It is possible that facilities may be available in the future in certain cases for temporary workers.

29. HORTICULTURAL COLLEGE FOR WOMEN, SWANLEY, conducts investigations into insect pests and fungus diseases of cultivated garden plants. Students on leave from other countries will be welcomed.

30. EAST MALLING RESEARCH STATION, KENT. (The Kent Incorporated Society for Promoting Experiments in HORTICULTURE.) Research work is being carried out in Pomology, Hop Culture, Plant Pathology, Physiology, and Entomology. From time to time facilities are offered to graduate students for gaining experience in research in these problems, both in the field and laboratories.

31. EXPERIMENTAL AND RESEARCH STATION (GLASSHOUSE STATION) CHESHUNT. Research workers have been admitted to the laboratories for short periods when space was available. Reports are widely circulated.

32. JOHN INNES HORTICULTURAL INSTITUTION, Merton Park, London, S.W.19, promotes researches in various subjects connected with Horticulture, especially Plant-breeding, Cytology, and Mycology. Certified persons desirous of conducting work coming within the scope of the Institution are given facilities freely.

33. SCOTTISH MARINE BIOLOGICAL ASSOCIATION, Millport, N.B., admits students and research workers: table space rental 10s. 6d. per week, including loan of microscope and use of ordinary reagents, library and reference collections, boats and collecting appliances when available.

34. MARINE BIOLOGICAL ASSOCIATION (Plymouth Laboratory) is always glad to receive visitors from abroad at the laboratories and to help them. Working tables can be rented (30s. a week) or obtained by nomination. Special facilities for fishery investigations. Results of researches are published in the Association's and other Journals.

36. THE INDUSTRIAL INSTITUTE, 102 Belgrave Road, S.W.1. Founded 1925 for the promotion of scientific research into those questions of industrial economics and industrial ethics which touch the relations and interests of the groups into which the development of the industrial system has divided the nation. It is constituted on a non-party basis, and it is expressly laid down that "it will not be concerned to maintain private ownership nor to develop public ownership," its object being "to study things as they are, and by the light of knowledge so gained to form conclusions which may be put into practice and tend towards improvement of the conditions of industrial life." A Committee has been appointed to take charge of each of four lines of work, and a sub-committee has undertaken the preparation of a "map" of the whole range of knowledge bearing on the general question of "Balance," so that the actual knowledge at present available should appear in its proper relations. The "map," it was agreed, should also show the researches at present in progress in different parts of the world which bear on the question. Thus the gaps in the knowledge needed for the practical survey of the whole problem would be clearly presented.

37. NATIONAL INSTITUTE OF INDUSTRIAL PSYCHOLOGY, 329 High Holborn, London, W.C.1. *Director*—C. S. Myers, C.B.E., M.D., Sc.D., F.R.S. The Institute studies the human factors which enter into industry and commerce and applies the results in practice. On behalf of firms it conducts investigations into vocational selection, movement study and the influence of rest pauses, lighting, humidity, ventilation, seating, methods of payment, advertisement, etc., on output. In its own laboratories it offers vocational guidance to individuals, based on mental and physical tests. It provides lectures and practical work suitable for the requirements of the new Academic Diploma in Psychology in the Univ. of London. It also offers facilities for research in those subjects. *Journal*, quarterly; *Special Reports*. Training Courses for School Teachers in the principles and methods of intelligence testing are organized.

THE BRITISH SCIENTIFIC INSTRUMENT RESEARCH ASSOCIATION conducts research into problems pertinent to the manufacture and use of scientific instruments, including optical, surveying, nautical, and electrical instruments, and electro-medical and X-ray apparatus, and also into optical glass. It has headquarters' laboratories at 26 Russell Square, London, W.C.1, and researches are prosecuted in universities, technical colleges, works laboratories and works. Students are not admitted to work in the Association's laboratories. The research reports are, in general, confidential to members of the Association and to certain Government services, but some are published from time to time, either in scientific journals or separately for general circulation. The annual reports of the Association are distributed to certain public libraries, etc., at home and abroad, but otherwise are available only to members. Among the institutions receiving them are: the Research Council Library, Parliament Buildings, Ottawa, Canada; Institute of Science and Industry, 314 Albert St., East Melbourne, Australia; Advisory Board of Industry and Science of the Union of S. Africa, New Law Courts, Johannesburg.

THE BRITISH RESEARCH ASSOCIATION FOR THE WOOLLEN AND WORSTED INDUSTRIES awards Research Fellowships and Advanced Scholarships tenable at Universities and Colleges, but up to the present has not admitted students to work in its private laboratories. The results of research carried out at the headquarters of the Association are in some cases published in the *Journal* of the Textile Institute or in the *Journal* of the Society of Dyers and Colourists. Other reports are retained in the first instance for private circulation to members of the Association, but may subsequently be released for general circulation.

BRITISH COTTON INDUSTRY RESEARCH ASSOCIATION does not admit students to work in its laboratories, but most of its work is released for publication, and appears first as *Shirley Institute Memoirs* and then in the *Journal* of the Textile Institute, 16 St. Mary's Parsonage, Manchester.

LINEN INDUSTRY RESEARCH ASSOCIATION, Lambeg, Ireland. Investigators, who must be British subjects, are admitted to work in the Association's Research Institute in furtherance of its objects and in preparation for higher University degrees. The work includes the investigation of problems arising in all branches of the industry, from the propagation of the seed to the merchanting of the finished goods. It affords scope for much original research in economic botany, agriculture, bio-chemistry, and physics, particularly the properties of colloids. The results of researches are frequently published in scientific journals. In order to develop flax growing within the Empire, special arrangements exist to provide post-graduation instruction in the economic botany and technical utilization of the flax plant for suitable nominees from outlying parts of the Empire.

THE RESEARCH ASSOCIATION OF BRITISH RUBBER AND TYRE MANUFACTURERS has a technical library and information Bureau at their Laboratories at 105/7 Lansdowne Road, Croydon, to deal with inquiries from its members, Government Departments, and scientific workers in the Dominions. Carries out research, chiefly of a confidential nature, through its own staff. A *Summary of Current Literature*, containing abstracts of technical and scientific publications relating to all branches of the rubber industry, is issued to members and subscribers each month.

THE BRITISH NON-FERROUS METALS RESEARCH ASSOCIATION aims to cover the whole field of the non-ferrous metals and their alloys. Membership of the Association is open to individuals and companies in any part of His Majesty's Dominions who have industrial interests in non-ferrous metals whether as smelters, manufacturers, or users. The researches of the Association are carried out in approved academic and other institutions, or in works, and the results are in the first instance reserved to members, although much is being published. So far as possible, the Association will be pleased to inform scientific workers from the Overseas Empire of the work it has undertaken or already published.

BRITISH ELECTRICAL AND ALLIED INDUSTRIES RESEARCH ASSOCIATION. Has no laboratory of its own. Arranges programmes of research and carries them out with the help of makers' laboratories and Universities and Technical Colleges (sometimes under contract with members of staffs or students), in power stations, etc. Aims at securing co-ordination of research work and realization of maximum benefits from it. Reports published generally in the *Journal* of the Institution of Electrical Engineers.

BRITISH SILK RESEARCH ASSOCIATION. Research results of general interest are usually published by the Journal of the Textile Institute. Provision is not normally made for circulation of unpublished reports nor for admission of research students to the laboratory, but special applications addressed to the Secretary may be considered.

BRITISH CAST IRON RESEARCH ASSOCIATION of manufacturers of pig iron, grey iron, and malleable castings of all kinds, for research in the constitution, methods of production and after-treatment of these and auxiliary materials, such as refractories, sands, fuels, slags, fluxes, etc. Their Central laboratory is in Birmingham and an auxiliary laboratory in Falkirk, but most of the research work is at University and other research laboratories at Sheffield, Birmingham, Manchester, etc., and at the National Physical Laboratory. Investigators interested in any phase of research work on cast iron may use the Association's Information Bureau, and the Director is prepared to co-operate in planning investigations. Quarterly bulletin of abstracts and information on current metallurgical literature. General account of the work of the Association printed in the Proceedings of the Empire Mining and Metallurgical Congress, 1924.

APPENDIX XXVIII

TITLES OF THESES ACCEPTED FOR THE DEGREE OF DOCTOR

Faculties

A. Classics.
B. Divinity.
C. English.
D. Fine Arts.
E. Modern and Mediæval Languages.
F. Oriental Languages.
G. Music.
H. Economics and Politics.
I. History.
J. Law.
K. Moral Science.
L. Engineering.
M. Mathematics.
N. Physics and Chemistry.
O. Agriculture, Horticulture, Forestry.
P. Archæology and Anthropology.
Q. Biology "A." (Anatomy, Botany, Embryology, Entomology, Eugenics, Genetics, Geology, Helminthology, Parasitology, Zoology.)
R. Biology "B." (Bacteriology, Biochemistry, Histology, Pathology, Pharmacology, Physiology, Psychology.)
S. Geography.
T. Medicine.
U. Technology.
V. Commerce.
W. Education.

BIRMINGHAM

T.	Ainscow, G. E.	A comparison of various methods of treatment of chronic otorrhœa in elementary school children, including a study of the method of ionization with zinc sulphate.	M.D.
T.	Brailsford, J. F.	The X-ray diagnosis of pathological conditions of the gall-bladder.	M.D.
T.	Evans, G. M.	The origin of Hilar tuberculosis and its origin by radiography.	M.D.
T.	Williams, V. G.	Disseminated sclerosis—its symptoms and diagnosis, with an analysis of 20 cases.	M.D.
T.	Henly, G.	Observations on the blood pressure and cardiac rhythm during surgical operations.	M.D.
E.	Johnstone, M. J.	Quelque personage comique dans le mystics français de la passion, et autres du XV^{e} siècle.	D.Litt.
L.	Zapy, H.	The application of the principle of dynamic similarity to the flow of liquids.	Ph.D.

N, L.	Harrison, C. F. R.	The combustion of carbonic oxide (*Phil. Mag.* 1927).	Ph.D.
L.	Wadlow, E. C., B.A. Lond.	The expansion of high temperature gases in nozzles, with particular reference to the design and operations of internal combustion turbines.	Ph.D.
N.	Holmes, E.	The higher fatty acids and some of their derivatives.	Ph.D.
N.	Thomason, R. W.	(i.) Fluorine and its derivatives. (ii.) The organic compounds of tellurium.	Ph.D.
N, U.	Partridge, J. H.	The magnetic and electrical properties of cast iron (*J. Iron and Steel Inst.*, 1925, No. II.).	Ph.D.
N, U.	Everest, A. B.	The influence of aluminium upon cast iron. (Part published: Aluminium Cast Iron, *Cast Iron Res. Assoc. Research Report*, No. 21, Dec. 1926, Birmingham.)	Ph.D.
N.	Voce, E.	Silicon and its non-ferrous alloys.	Ph.D.
R.	Auden, G. A., B.A. Camb.	1. On endogenous and exogenous factors in character formation. 2. Biological factors in mental defect. 3. Points for consideration in diagnosis of mental defect. 4. The school medical service in relation to mental defect.	Ph.D.
U.	Bowen, A. R.	1. The thermal decomposition of cellulose, cellulose-coke, liquid and coal under hydrogen pressure in presence of catalysts. 2. The hydrogenation and liquefaction of Arley coal.	Ph.D
N.	Bowen, A. R.	3. Observations on the higher fatty acids. 4. Interactions of zirconium salts and β-Diketones (*Journ. Soc. Chem. Ind.*, 1925, 44, 507-11; Fuel, 1926, 5, 138-142; Fuel, 1925, 4, 252-255; *Journ. Soc. Chem. Ind.*, 1924, 43, B 46-B 48; *Journ Chem. Soc.*, 1924, 125, 1252-61).	

BRISTOL

T.	Casson, E.	Primitive instincts in insanity.	M.D.
N.	Elford, W. T.	(1) Equilibria in potassium oleate-potassium chloride-water systems. (2) A study of the soaps of the commercial oils and fats.	Ph.D.
N.	Gauntlet, H. F.	Non-acidic products from the oxidation of paraffin wax.	Ph.D.

CAMBRIDGE

T.	Rose, F. G.	Filariasis and lymphangitis in British Guiana.	M.D.
T.	Harris, J. C. N.	Melitensis septicæmia in the Anglo-Egyptian Sudan.	M.D.
T.	Smith, J. M.	Silicosis and pulmonary tuberculosis in the Witwatersrand gold mines.	M.D.
T.	Barker, F. A.	Leptospirosis.	M.D.
A.	Atkinson, B. F. C.	The Thraco-Illyrian language.	Ph.D.
C.	Abbott, C. C.	The life and work of George Darley.	Ph.D.
H.	Marshall, D.	The English Poor Laws and social conditions.	Ph.D.
H.	Cobban, A. B. C.	The political thought of Edmund Burke.	Ph.D.
H.	Harrop, A. J.	England and New Zealand.	Ph.D.
H, O.	Wynne, W. H.	The development of land policy in Australia, with special reference to New South Wales (1788–1922).	Ph.D.
H.	Davies, C. C.	The North-West Frontier of India, 1890 to 1908, with a survey of policy since 1849.	Ph.D.
N, R.	Hicks, C. S.	A study of the chemical and physiological relationships of thyroxin.	Ph.D.
N.	Banister, H.	Experiments on sound localization.	Ph.D.
N.	Raper, R.	(i.) Quinaldine pseudo bases. (ii.) Optically active arsenic.	Ph.D.
N.	Emeléus, K. G.	Some methods of studying ionizing particles.	Ph.D.
N.	Black, D. H.	The β-ray spectra of some radio-active bodies.	Ph.D.
N.	Hirst, H. S.	(i.) The mechanism of chemical reaction in homogeneous gaseous systems. (ii.) The photo-sensitization of chemical reaction by mercury vapour.	Ph.D.
N.	Schofield, R. K.	The influence of electrical and other forces on surface equilibria as revealed by a study of ionic absorption at a water-mercury interface.	Ph.D.
N.	Skinner, H. W. B.	Some experiments in magnetic optics.	Ph.D.
N.	Webster, W. L.	Some magnetic properties of single crystals of iron.	Ph.D.
N.	Constable, F. H.	The nature of catalytic action.	Ph.D.
M, N.	Dirac, P. A. M.	Quantum mechanics.	Ph.D.
N.	Stevens, H. R.	(i.) The tautomerism of the phenylhydrazones of mesoxalic acid and pyruvic acid. (ii.) The preparation of a compound analogous in constitution to the isocyanines.	Ph.D.
N.	Gurney, R. W.	α- and β-particles: their emission and passage through water.	Ph. D.

N.	Faulkner, I. J.	Dynamic isomerism.	Ph.D.
N.	Gotts, R. A.	The stereochemistry of the 4-co-ordinated metals.	Ph.D.
N.	Lewis, B.	(i.) The Budde effect in bromine. (ii.) The effect of water vapour on the combination of hydrogen and bromine.	Ph.D.
N.	Moran, T.	The effect of low temperature on certain complex colloidal systems.	Ph.D.
N.	Hoover, G. I.	Catalysis.	Ph.D.
O.	Belshaw, H.	Agricultural fluctuations.	Ph.D.
O, Q.	Smith, N. J. G.	Diseases of British cereals caused by fungi of the genus helminthosporium.	Ph.D.
O.	Smith, A. J.	Studies on the storage environment of apples.	Ph.D.
Q.	Godwin, H.	The metabolism of starvation in leaves.	Ph.D.
Q.	Nuttall, W. L. F. F.	Studies on the larger foraminifera of the tertiary age.	Ph.D.
Q.	Woodward, R. C.	Studies on Podosphaera leucotricha.	Ph.D.
R.	Seth, T. N.	Some aspects of protein digestion and metabolism.	Ph.D.
R.	Asdell, S. A.	Studies in the physiology of lactation.	Ph.D.
R.	Onians, R. B.	Studies in primitive thought.	Ph.D.
R.	Taylor, H.	The ions in blood corpuscles.	Ph.D.
R.	Hoet, J. P.	(i.) The fate of sugar disappearing under the action of insulin. (ii.) Observations on the onset of rigor mortis. (iii.) The action of drugs on the spleen.	Ph.D.
R.	McCance, R. A.	The fate of protein nitrogen in living tissues.	Ph.D.
T.	Griffith, A. S.	The etiology of human tuberculosis in Great Britain.	Ph.D.

Durham College of Medicine

T.	Scoresby-Jackson, M.	The fragility of the red blood cells in mental disease	M.D.
T.	Welsh, E.A.	Fibrositis.	M.D.
T.	Mansoor, R.	The indigenous drugs of India.	M.D.
T.	Saint, J. H.	Polypi of the intestine.	M.D.

Armstrong College

N.	Robinson, P. L.	A comparison of the atomic weights of silicon from different sources (*J. Chem. Soc.*, 1926, 128).	D.Sc
N.	Stephenson, G. E.	A determination of the meeting and transition points of potassium dichromate (*J. Chem. Soc.*, 1925, 127).	D.Sc.

N.	Sayce, L. A.	(1) The development of a new method for measuring specific inductive capacity. (2) The effect of intensive drying upon the dielectric constant of benzene. (3) The " critical " phenomena of air discharge tubes and conditions of continuous " flashing " (*J. Chem. Soc.*, 1925, 127; *Phil. Mag.*, 1925, 50).	Ph.D.
N.	Maw, W.	(1) The carbonates of ethylene glycol and related substances. (2) The carbonates of the pentoses (*J. Chem. Soc.*, 1926, 128, 1751).	Ph.D.
N.	Taylor, J.	An account of an investigation into the properties of certain types of discharge tubes in which the electrodes are near together (*Proc. Phys. Soc.*, 36, 4; 37, 3.	Ph.D.

LEEDS

R.	Gordon, J.	The influence of amino-acids on the growth of the more common pathogenic micro-organisms.	M.D.
R.	Taylor, A. L.	The heterotopias of the alimentary canal.	M.D.
T.	Allison, D. R.	Syphilis in the lungs of adults.	M.D.
T.	Rosenbloom, P.	The parathyroid glands; the rationale and results of parathyroid therapy.	M.D.
T.	Sheard, H.	Some aspects of chronic nephritis associated with pregnancy.	M.D.
T.	Sourasky, M.	Spinal analgesia.	M.D.
R, U.	Bennett, W. G.	Studies on yeast nutrition in aerated worts.	D.Sc.
U.	Burton, D.	Studies in chrome tanning.	D.Sc.
U.	Houldsworth, H. S.	Investigations relative to the physical and chemical properties of refractory materials.	D.Sc.
C.	Smith, A. H.	The place names of the North Riding of Yorkshire.	Ph.D.
H.	Leheta, M. F.	Economic federation, with special references from the industrial conditions of Egypt past and present.	Ph.D.
M.	Hanna, M.	Algebraicability of integrals. The modular equation.	Ph.D.
M, N.	Higab, M. A.	Motion of an electron, etc.	Ph.D.
N.	Brett, G. F.	Some investigations on slow electrons. Part I.: The photographic effect of slow electrons. Part II.: The passage of slow electrons through fine apertures.	Ph.D.

N.	Dean, N. C.	The electrical conductance of halogen salts in non-aqueous solvents.	Ph.D
R.	Steward, F. C.	The fatty constituents of the cell wall.	Ph.D
Q.	Swarbrick, T.	The healing of wounds in woody stems. (Published in *Journal of Pomology and Horticultural Science*, Vol. V., No. 2, March 1926.)	Ph.D
U.	Angus, H. T.	The influence of reducing gases on the scaling of steel at high temperatures.	Ph.D
U.	Mason, C. B.	The influence of the ash constituents in the carbonisation and gasification of coal.	Ph.D
U.	Hardacre, R. W.	Reduction products of hydroxyanthraquinones.	Ph.D
U.	Storey, R. C.	Migration of the acetyl group in partially acetylated phenolic substances.	Ph.D
U.	Barker, G.	Part I. : The measurement of the permanent effect of humidity on wool fibres and yams as regards strength, elongation, and diameter. Part II. : An investigation into the evaporation of water from wet wool cloths.	Ph.D.
		LIVERPOOL	
T.	Cooke, R. G.	A consideration of some of the factors of Antal's disease.	M.D.
T.	Fowweather, F. S.	(i.) The estimation of urea in blood by the hypobromide method. (ii.) The determination of the amount and the composition of the fat of fæces. (iii.) Urease in human liver and its significance.	M.D.
T.	Healey, C. W.	Some observations in chloride metabolism.	M.D.
T.	Jeans, W. D.	On some blood-sugar curves in children.	M.D.
T.	Minnitt, R. J.	An investigation into some circulatory changes associated with toxic systems during and after ether anæsthesia and their successful treatment.	M.D.
T.	Newman, M.	The nature of rheumatoid arthritis, with special reference to its etiology and treatment.	M.D.
T.	Voigt, C.	Upon the use of quinidine and hydroquinidine sulphates in clinical fibrillation of the auricles, with special reference to the action of these drugs by way of the vagi.	M.D.

L.	Dobson, J. H.	(i.) The Johannesburg Municipal Electric Power Station. (ii.) Oil for power production. (iii.) Industrial oxygen: its production and important uses. (iv.) Mathematical investigation of the stresses in winding drums and ropes. (v.) The measurement of three-phase electrical power and energy (*Journal of the South African Institution of Engineers*, April and May 1917).	D.Eng.
L.	Arnold, A. H. M.	Alternating current motors.	Ph.D.
N.	Atkinson, H.	Reactivity and constitution of dihydroxyxanthones. Reactivity of stryrylxanthylium salts.	Ph.D.
N.	Colvin, J.	Investigation of hydroxyl ion catalysis.	Ph.D.
N.	Johnson, M. R.	Photo-synthesis of formaldehyde.	Ph.D.
N.	Kamm, E. D.	The constitution of certain liver oils.	Ph.D.
N.	Kitchen, F. N.	Reactivity of quinazolines.	Ph.D.
N.	Lead, W.	Attempted resolution of carbazole derivatives.	Ph.D.
N.	Littler, H. G.	The investigation of the mechanism of the formation of sugars from formaldehyde.	Ph.D.
N.	Proven, A.	Investigation of absorption spectra by quantitative methods.	Ph.D.
N.	Rogers, E.	Studies in absorption spectra.	Ph.D.
N.	Sinclair, D. J.	Unsaturated ketones.	Ph.D.
N.	Tipping, A. H.	The photocatalytic production of formaldehyde and nitrogen bases.	Ph.D.
Q.	Lind, E. M.	A study in the development of systematic characters.	Ph.D.
Q.	Phillips, E.	The musaceæ: a study in systematic physiology.	Ph.D.
Q.	Williams, D.	The geology of the district north-east of Bettws-y-Coed.	Ph.D.
N.	Hurst, R. H.	Adsorption at waterfall surfaces.	Ph.D.
N, R.	Ramsay, M. W.	Chemical changes at interfaces.	Ph.D.

LONDON

B.	Lowis, D. W.	The history of the church in France, 950–1000.	D.D.
B.	Taylor, V.	Behind the Third Gospel. A study of the Proto-Luke hypothesis.	D.D.
B.	Perkins, H. W.	The doctrine of Christian or Evangelical perfection.	D.D.
J.	Lauterpacht, H.	Private law analogies in international law.	LL.D.
J.	Colombos, C. J.	Prize law during the Great War.	LL.D.
J	Bridges, H. P.	The liberty of the subject in England during the period 1803–32.	LL.D.

A, V.	Krishna, M. H.	Studies in Dakhan numismatics, ancient and mediæval.	D.Lit.
F.	Husain, S. J.	The text of Dumyatu'l-Qasr, by al-Bakharzi, with a critical introduction.	D.Litt.
I.	Epstein, I.	The response of Rabbi Simon ben Zemah Duran of Algiers as a source of the history of the Jews in Northern Africa.	D.Lit.
K.	Hazlitt, V. H.	Ability.	D.Lit.
E, C.	Purdie, E.	The story of Judith in German and English literature.	D.Lit.
N.	Ingold, E. H.	Tautomerism (one paper in *Journ. Soc. Chem. Industry*; eight papers in *Journ. Chem. Soc.*).	D.Sc.
Q.	Wells, A. K.	The geology of the Rhobell Fawr district (Merioneth).	D.Sc.
N.	Johlin, J. M.	The surface concentration of colloids at a liquid-gas interface (*J. Phys. Chem.*, 1925).	D.Sc.
Q.	Hacker, H. P.	How oil kills anopheline larvæ.	D.Sc.
N, O.	Haines, W. B.	Studies in the physical properties of soils (*Journ. Agric. Sci.*, 1925).	D.Sc.
Q.	Subba Rau, A.	Contributions to our knowledge of the structure of the placenta of mustelidæ, ursidæ, and sciuridæ (*Proc. Zool. Soc.*, 1925).	D.Sc.
N.	Elam, C. F.	(1) Tensile tests of crystals of an aluminium-zinc alloy (*Proc. Roy. Soc.*, 1925, vol. 109); (2) The orientations of crystals in metal test-pieces subjected to small strains followed by heat-treatment (*Phil. Mag.*, vol. i., Sept. 1925).	D.Sc.
N.	Metcalfe, E. P.	(1) On the selective absorption of light by luminous gases and certain consequences resulting therefrom (*Proc. 12th Indian Sci. Congress*, Aug. 1925): and (2) On ionization in various gases (*Phil. Mag.*, Dec. 1909).	D.Sc.
N.	Barnett, E. de B.	Action of nitrogen dioxide on anthracene derivatives and the bearing on the mechanism of nuclear substitution (*J. Chem. Soc.*, 1925).	D.Sc.
N.	Phillips, H.	The optical properties of *n*-alkyl *p*-toluenesulphinates (*J. Chem. Soc.*, Nov. 1925).	D.Sc.
Q	Grubb, V. M.	The spermatia of the florideæ (*Linn. Soc. J.*, vol. xlvii., 1925).	D.Sc.
K.	Magson, E. H.	How we judge intelligence (*Brit. J. of Psych.*, 1926).	D.Sc.

Q.	Ludford, R. J.	Studies in normal and pathological cytology.	D.Sc.
Q.	Mehta, M. M.	Studies on lignification (*Biochem. Journ.*, 1925).	D.Sc.
N.	Usher, F. L.	The nature of the interfacial layer between an aqueous and a non-aqueous phase.	D.Sc.
N.	Britton, H. T. S.	Part I. Some electrometric studies of reactions, with special reference to the precipitation of basic salts. Part II. Some studies of salts of rarer metals (*J. Chem. Soc.*, 1922–1926, and *J. Soc. Public Analysts*, Dec. 1925).	D.Sc.
N.	Drew, H. D. K.	Heterocyclic systems containing tellurium in the ring.	D.Sc.
N.	Matthews, M. A.	The reactions of the meso-hydroxy anthrones and their bearing on the mechanism of certain reactions (*J. Chem. Soc.*, Jan. 1926).	D.Sc.
M, Q.	Pearson, E. S.	Bayes' theorem examined in the light of experimental sampling (*Biometrika*, vol. xvii. Parts 3 and 4, Dec. 1925).	D.Sc.
S.	Richardson, L. F.	Collected works on meteorology, differential equations, etc.	D.Sc.
Q.	Slater, G.	Glacial tectonics as reflected in disturbed drift deposits.	D.Sc.
O.	Briton-Jones, H. R.	On the diseases known as "bark canker" and "die-back" in fruit trees.	D.Sc.
Q.	Collins, E. J.	Variegation and its inheritance in chlorophytum elatum and chlorophytum comosum.	D.Sc.
M, N.	Steward, G. C.	Aberration diffraction effects.	D.Sc.
Q.	Carré, M. H.	Chemical studies in the physiology of apples (*Annals of Botany*, Oct. 1925).	D.Sc.
R.	Quastel, J. H.	(1) The relationship of the chemistry of resting bacteria towards bacterial growth; and (2) a theory of the mechanism of oxidations and reductions *in vivo* (*Biochem. Journ.*, 1924, 1925, 1926).	D.Sc.
R.	Brambell, F. W. R.	Oogenesis of the fowl (gallus bankira) (*Phil. Trans. R.S.*, 1925).	D.Sc.
P.	Morant, G. M.	A study of Egyptian craniology from prehistoric to Roman times (*Biometrika*, 1925).	D.Sc.
N.	Mallett, E.	Forced oscillations, electrical and mechanical.	D.Sc.
N.	Smith-Rose, R. L.	Some recent research in wireless direction-finding.	D.Sc.
Q.	Raw, F.	The development of leptoplastus salteri and other trilobites.	D.Sc.

Q.	Eales, N. B.	The anatomy of the head of a fœtal African elephant.	D.Sc.
B.	Jones, J. W.	The reciprocal influence of Roman law and Christianity.	Ph.D.
C.	Dawson, T. H.	The influence of German æsthetic thought on the conception of romanticism in England (1790–1830).	Ph.D.
N.	Banerji, B. B	Polarisation capacity and resistance of electrolytes under a wide range of frequencies.	Ph.D.
N.	Cocks, H. C.	Studies in alternate current electrolysis.	Ph.D.
L.	Preston, F. W.	The structure of abraded glass surfaces.	Ph.D.
N.	Carlton, M.	The influence of catalysts on the molecular association of liquids.	Ph.D.
P.	James, E. O.	The cult of the dead in North America.	Ph.D.
E.	Liddle, M. G.	A contribution to the study of the bourgeois in French literature of the fourteenth century.	Ph.D.
K.	Strasheim, J. J.	Some aspects of the developing intelligence.	Ph.D.
Q.	Haines, F. M.	A study in the transpiration of heath plants, with special reference to the "drought resistivity" of certain growth forms occurring on Hindhead Common.	Ph.D.
N.	Shoppee, C. W.	The formation and reactions of bridged ringed structures.	Ph.D.
N.	Gyngell, E. S.	The interaction of phenates and aliphatic esters in alcoholic solution.	Ph.D.
N, O.	Hobson, R. P.	A study of the nitrogen compounds of mineral soils.	Ph.D.
N, R.	Norris, F. W.	The chemistry of some constituents of the cell-walls of plants.	Ph.D.
N.	White, E.	The conductivities of sodium and potassium derivatives of β-ketonic compounds in alcoholic solution.	Ph.D.
M.	Woods, H. C.	A method of observing the instrumental constants of the transit circle by means of a floating mirror.	Ph.D.
H.	Dobb, M. H.	Capitalist enterprise and social progress.	Ph.D.
B.	Valentine, C. H.	The study of religion.	Ph.D.
I, V.	Watts, A. H.	Trade-routes of the provinces of Asia Minor within the first three centuries of the Christian era.	Ph.D.
Q.	Bandulska, H.	On the cuticles of some fossil and recent lauraceæ.	Ph.D.
N.	Elworthy, R. T.	The production of formaldehyde by the partial oxidation of methane in natural gas.	Ph.D.

N, U.	Jinkings, A. J.	The reaction between carbon monoxide and iron and its bearing on the carburisation of iron and steel.	Ph.D.
N.	King, H. J. S.	Some chromammine and cobaltammine salts.	Ph.D.
E.	Papenfus, E. M.	Les théories dramatiques de Francisque Sarcey.	Ph.D.
N.	Emeléus, H. J.	Experimental studies on combustion.	Ph.D.
N.	Sarkar, A.	X-ray examination of the crystal-structure of certain organic compounds.	Ph.D.
H.	Martin, E. C.	The British West African Settlements, 1750–1821.	Ph.D.
U.	Bowman, T. S.	A survey of the results of boring for oil in Egypt.	Ph.D.
U.	King, J. G.	The examination of coal.	Ph.D.
H, R.	Hill, A. B.	A physiological and economic study of the diets of workers in rural areas as compared with those of workers resident in urban districts.	Ph.D.
N.	Banfield, F. H.	A further investigation of the product of the interaction of β-phenylhydroxylamine and acetone.	Ph.D.
N	Farrow, M. D.	The chemistry of the three-carbon tautomeric system—the influence of the benzoyl group on the mobility of the three-carbon system.	Ph.D.
N.	Fisk, P. M.	The influence of substituents on the mobility of tautomeric systems. Part I. Effect of the β-alkyl radicles on the stability of the labile esters of glutaconic acids. Part II. The effect of substitution in determining the possibility of ring-chain tautomerism.	Ph.D.
N.	Kabraji, K. J.	The crystalline structures of (1) copper formate tetrahydrate, and (2) copper formate dihydrate.	Ph.D.
N.	Linstead, R. P.	The chemistry of the three-carbon system: the effect of the gem-diethyl and methyl-ethyl groupings on the mobility of three-carbon systems.	Ph.D.
N.	Rothstein, E.	Ring-chain tautomerism of heterocyclic compounds.	Ph.D.
N.	Speight, E. A.	Tautomeric change, with particular reference to the three-carbon and keto-enol types.	Ph.D.
N.	Hume-Rothery, W.	The nature, properties, and conditions of formation of inter-metallic compounds, with special reference to certain compounds of tin.	Ph.D.

E.	Tirol, M. M.	Les cabinets de lecture en France, 1800–1850.	Ph.D.
L, N.	Beeby, G. H.	The effect of nitrogenous vapours on the gaseous carburisation of iron and steel.	Ph.D.
N.	Cray, F. M.	The determination of hydrogen ion concentration in mixed solvents, including the study of the behaviour of indicators and the application of electrometric methods.	Ph.D.
N.	Fisher, J. W.	Experiments on the gyromagnetic effect.	Ph.D.
N.	Footner, H. B.	A study of the reaction between mercaptane and organic sodium thiosulphate compounds and the hydrolysis of the latter.	Ph.D.
N, Q.	Grantham, D. R.	The mineralogy and petrology of the Shap granite.	Ph.D.
N.	Poole, H. J.	The structure of elastic gels.	Ph.D.
N, U.	Probert, M. E.	The wax of cotton, its properties and constituents.	Ph.D.
N, U.	Ridge, B. P.	The action of oxidising agents upon cotton cellulose.	Ph.D.
C.	Walker, A.	Studies in the work of Thomas Lodge (1558–1625).	Ph.D.
N.	Burton, H.	The study of some heterocyclic compounds containing higher members of the fifth group of the periodic classification in addition to nitrogen.	Ph.D.
M, N.	Cox, H. R.	A reciprocal function solution of Laplace's equation in two dimensions; with an application to an aerofoil section.	Ph.D.
U.	Karim, A.	Studies in the saponification of oils and fats.	Ph.D.
N.	Micheli, L. I. A.	The adsorption of vapours at a liquid-air interface.	Ph.D.
Q.	O'Dwyer, M. H.	Researches on the hemicelluloses of timber.	Ph.D.
U.	Quarendon, R.	The extraction of coals with benzene at high temperatures and pressures, and the coking properties of coals.	Ph.D.
C, K.	Milum, J. P.	Evolution and the spirit of man.	Ph.D.
C.	Taylor, J. G.	Our Lady of Batersey.	Ph.D.
N.	Clark, L. H. S.	Secondary radiations produced by gamma rays and their effect upon gamma ray absorption measurements.	Ph.D.
N.	Colin-Russ, A.	The estimation in porous complexes of individual adsorbed constituents.	Ph.D.

N.	Mercer, H. N.	The viscosity of liquids at higher temperatures.	Ph.D.
N.	Richardson, D. H.	The manufacture of phenacetin from p. chlornitrobenzene and the action of alcoholic potash and soda upon chlornitrobenzene.	Ph.D.
N.	Verschoyle, T. T. H.	Isotherms of hydrogen, of nitrogen, and of hydrogen-nitrogen mixtures at 0° and 20° C., up to a pressure of 200 atmospheres.	Ph.D.
H.	Mess, H. A.	British factory legislation and its administration since 1891.	Ph.D.
N.	Brooker, L. G. S.	Carbon compounds of sulphur.	Ph.D.
N, U.	Rowe, J. W.	The effect on cellulose fibres of treatment in the papermaker's beater.	Ph.D.
N.	Tamura, S.	Experiments on the production of large copper crystals and on the formation of twinned crystals.	Ph.D.
H, I.	Offor, R.	Lettras Anuas de la Provincia del Paraguay de los Anos de 1626, y 27.	Ph.D.
U.	Hampton, W. M.	The annealing and re-annealing of glass.	Ph.D.
I.	Branfoot, A. I. S.	A critical survey of the Narodnik Movement in Russia, 1861–1881.	Ph.D.
H.	Chatterji, B. R.	Indian political and cultural influence in Cambodia from the sixth to the fourteenth centuries.	Ph.D.
I.	Chew, H. M.	English ecclesiastical baronies and knight services, especially in the thirteenth and fourteenth centuries.	Ph.D.
C.	Corvesor, D.	Shakespeare adaptations from Dryden to Garrick.	Ph.D.
E.	de Souza, A. M. J. B.	Contribution à l'étude de théâtre en France pendant la Révolution.	Ph.D.
F.	Guhathakurta, P.	The Bengali drama: its origin and development.	Ph.D.
H.	Gupta, K.	The land system in South India between *c.* A.D. 800 and A.D. 1200 in the light of the epigraphic and literary evidence.	Ph.D.
C.	Gurrey, P.	The noun and pronoun of address in the seventeenth and eighteenth centuries.	Ph.D.
K.	Abdul Hamid, S.	The most economical unit of memorizing with recitation.	Ph.D.
W.	Hans, N.	History of Russian educational policy, 1801–1917.	Ph D.
F.	Jain, B. D.	The phonology of Panjabi as spoken about Ludhiana.	Ph.D.
C.	Payne, F. W.	Staging in the Restoration, with special reference to stage directions in the plays of the time.	Ph.D.

C.	Rees, W.	English literary criticism from Shaftesbury's characteristics to Reynolds' Discourses.	Ph.D.
H.	Robbins, I. C.	A critical study of the political activities of Andrew Marvell.	Ph.D.
C.	Skinner, J. W.	Émile Montégut: critic of English literature.	Ph.D.
C.	Smith, E.	Some pioneer women novelists and their contribution to the eighteenth-century novel, 1688–1740.	Ph.D.
K.	Stevanovic, B.	The experimental study of the mental processes involved in judgment.	Ph.D.
B.	Stoyanovic, J.	The religious philosophy in Russia in the nineteenth century (Kireyedsky, Dostoevsky, Soloviev).	Ph.D.
F, C.	Varma, S. P.	True and false orientalism (with special reference to Hinduism and India) in the English poetry of the nineteenth century.	Ph.D.
K, W.	White, H. D. J.	An application of mental tests to university students.	Ph.D.
Q.	Anderson, V. E. L.	The water economy of the chalk flora.	Ph.D.
N.	Beals, C. S.	Part I. Observations of Zeeman effects in the spectra of palladium, copper and silver, in relation to spectral structure. Part II. New determinations of wave-lengths in the spectra of oxygen, nitrogen and carbon, with reference to their use in astrophysical observations.	Ph.D.
Q.	Campbell, L. E.	Cultural studies on moulds of the penicillium group, with particular reference to lipase production.	Ph.D.
N.	Ganesan, A. S.	An investigation of the second spectrum of neon.	Ph.D.
N.	Goldstein, R. F.	The isomerism of the oximes.	Ph.D.
O.	Gompertz, M.	History of early agriculture.	Ph.D.
Q.	Gordon, I.	The development of the calcareous test of echinus miliaris.	Ph.D.
N.	Hunter, R. F.	The chemistry of the benzothiazoles.	Ph.D.
N.	Johnson, J. D.	The mobility of the β-alkylcinnamic acids and the methyl β-alkylcinnamyl ketones.	Ph.D.
S.	Pramanik, S. K.	(1) The six-hourly variations of atmospheric pressure and temperature; (2) The eight-hourly variations of atmospheric pressure; and (3) The diurnal variation of terrestrial magnetism.	Ph.D.
N, R.	Rege, R. D.	Biochemical decomposition of cellulosic materials—relations of nitrogen to carbohydrates.	Ph.D.

N.	Ross, J.	The constitution of products arising from the addition of esters to unsaturated cyclic ketones.	Ph.D.
R, T.	Steabben, D. B.	The rôle of colloids in immunology, with special reference to their physiological effects on normal and experimentally infected animals.	Ph.D.
N.	Switz, T. MacL.	The properties of conjugated systems.	Ph.D.
N.	Topping, J.	Calculation of the potential energy of crystals.	Ph.D.
N.	Weston, F. R.	The combustion of carbon monoxide.	Ph.D.
Q.	Whittard, W. F.	Stratigraphy of the Valentian rocks in their main outcrop in Shropshire.	Ph.D.
H.	Awad, M.	The conflict of nationalism and imperalism, with particular reference to the Near and Middle East.	Ph.D.
H.	Burns, E. M.	Wages and the State.	Ph.D.
U.	Paul, J. D. S.	Mining in the Lake Country in the sixteenth century.	Ph.D.
H.	Prasad, B.	Theory of government in ancient India (the post-vedic period of ancient Indian history).	Ph.D.
H.	Seth, H. C.	Distribution of wealth in an Indian province.	Ph.D.
H.	Spaulding, H. B.	A critical and comparative study of the income-tax laws of Great Britain and the United States.	Ph.D.
H.	Thomas, J. A.	An inquiry into the change in the character of the House of Commons, 1832–1901.	Ph.D.
H.	Clarke, M. E.	An essay towards a logical theory of value.	Ph.D.
H	Hewitt, H. J.	The economic history of Cheshire in the reigns of the three Edwards.	Ph.D.
K.	Rees, G. B.	C. F. Hebbel's realism in theory and practice.	Ph.D.
N.	Bloom, E.	1. The condensation of nitroso-compounds with 2 : 4- and 2 : 6-dinitrobenzylchlorides. 2. The bromination of phenylhydrazones. 3. The chlorination of iodo compounds in the diphenyl series. 4. The products of decomposition of the dichloride of m-iodotoluene.	Ph.D.
N.	Smith, F. J.	The action of phosphorus trichloride on tri-aryl carbinola. The formation of tri-aryl methoxy phosphorus dichlorides, and their conversion to tri-arylmethyl phosphinic acids.	Ph.D.
Q.	Youngman, W.	Studies in the cytology of the hibisceæ.	Ph.D.

MANCHESTER

T.	Hickson, S. K.	Phenomena associated with arterial sounds (*Heart*, vol. xiii. No. 1, 1926, and vol. xiii. Nos. 2 and 3, 1926).	M.D.
T.	Peach, E. M.	The etiology of lupus erythematosus.	M.D.
E.	Glen, E. I.	The dramatic works of John Marston: a study preliminary to a new edition.	Ph.D.
I.	Morehouse, F., B.A. Minn., U.S.A.	Emigration from the United Kingdom to America, 1830–1850.	Ph.D.
I.	Wilkinson, B.	The English Chancery under Edward III. and Richard II.	Ph.D.
N.	Ashley, J. N., B.Sc. Birm.	Investigations on the structure of strychnine and brucine.	Ph.D.
N.	Irvine, F. M., B.Sc. Dunedin.	Synthesis of derivatives of oxazole.	Ph.D.
N.	Malan, J., B.Sc. Capetown.	Synthesis in the aromatic sub-group of phenanthrene alkaloids.	Ph.D.
N.	Manske, R. H. F., B.Sc. Queen's, Ont.	Influence of electro-affinity of groups in the reactivity of the organic compounds in which they occur.	Ph.D.
N.	Oxford, A. E.	The relative orienting influence of ring-substituted benzyloxy groups.	Ph.D.
N.	Higab, M. A.	Investigation in a magnetic field.	Ph.D.

OXFORD

T.	Chapman, E. F.	Maclean's method of estimating the blood sugar and its application to the study of conditions other than diabetes mellitus.	D.M.
T.	Robinson, W. V.	The ophthalmoscope and its use in general practice.	D.M.
T.	Souttar, H. S.	Intracranial tumours.	D.M.
T.	Vollum, R. L.	Immuno-reactions in tuberculosis.	Ph.D.
K.	Aaron, R. I.	The history and value of the distinction between intellect and intuition.	Ph.D.
K.	Hasan, S. Z.	Realism: an attempt to trace its origin and its development.	Ph.D.
I.	Davies, E.	A study of the small landowner and of the tenantry during the years 1780–1832 on the basis of the land tax assessments.	Ph.D.
E.	Serjeantson, M. S.	The dialects of the West Midlands between 1150–1450.	Ph.D.
N.	Buck, R. E.	The kinetics of chemical reactions.	Ph.D.
N.	Garrett, M. W.	Attempts to transmute certain metallic elements by attaching an electron to the nucleus.	Ph.D.
N.	Harrison, D. N.	Measurements of the amount of ozone in the earth's atmosphere.	Ph.D.

N.	Lewis, N. B.	The solubility of beryllium oxide in solutions of its salts.	Ph.D.
N.	McCallum, S. P.	The effects of the collisions of electrons with the molecules of gases, together with the effects of radiation (if any) during the earlier stages of ionization.	Ph.D.
N.	Manjunath, B. L.	Synthetical experiments in the carbazole series.	Ph.D.
N.	Rubenstein, N.	(1) The hydrazines derived from the hydroxy-benzene. (2) Orientation problems connected with those substances and other similar benzene derivatives.	Ph.D.
N.	Stevens, T. S.	The synthesis and properties of heterocyclic bases and their derivatives.	Ph.D.
N.	Walker, A. J.	The action of halogens on some organic nitrogen compounds.	Ph.D.

SHEFFIELD

T.	Clark, A.	Rickets, with special reference to its etiology and prevention.	M.D.
U.	Chapman, W. R.	A contribution to the study of the propagation of flame in an inflammable gaseous mixture.	Ph.D.
W.	Hoskin, V. H.	Vocational guidance and selection, with reference to the industries and occupations of Sheffield.	Ph.D
C.	Tyler, C. E.	England in the Icelandic Sagas.	Ph.D.

WALES

N.	Thomas, W.	Complex salts.	D.Sc.
N.	Brown, F. S.	Molecular association in solution.	Ph.D.
N.	Harrison, W. R.	Vapour pressure and heat of dilution of aqueous solutions of potassium chloride, calcium chloride, and glycerol.	Ph.D.
N.	Smith, G. F.	(1) The chlorination of phenols by hypochlorous acid. (2) The chlorination of phenols and phenolic ethers by chlorine. (3) The iodination of phenol. (4) The hydrolysis of chloroamines in relation to their constitution.	Ph.D.
N.	Watson, H. B.	The catalysed reaction of bromine with aliphatic acids and their anhydrides.	Ph.D.
N.	Evans, J. C.	(1) A determination of the molecular diameter and Sutherland's constant for air, and an investigation of the Stokes Law correction factor for oil-drops in air. (2)	Ph.D.

		The variation of pressure with depth in columns of powders. (3) Certain properties of the "Osglim" neon-filled lamp.	
N.	Barnes, R. Sidney.	The halogenation of certain azo-phenols: the application of the results to the preparation of some halogenated amino-hydroxy-compounds.	Ph.D.
N.	Bonnell, D. G. R.	(1) The determination of the vapour pressures of some of the alcoholates. (2) The conditions of equilibrium of certain alcohols and salts. (3) The physical properties of some of the lower aliphatic alcohols.	Ph.D.

ABERDEEN

T.	Buchan, W.	On the normal anaerobic content of certain body excretions, with reference also to possible variations in typhoid fever.	M.D.
T.	Taylor, J. S.	(1) The newer knowledge of diphtheria and scarlet fever and its application in hospital practice and in community immunization. (2) The photometry of therapeutic lamps. (3) The measurement of the content of vitamin A and vitamin D in cod liver oil, and its clinical application.	M.D.
R.	Gill, W. J.	Fibroid disease of the lungs in children.	M.D.
T.	Shearer, C.	Observation and treatment of nerve cases.	M.D.
R.	Lyall, A.	A study in the metabolism of diabetes mellitus, with special reference to the effect of protein in the diet and to the occurrence of acidosis.	M.D.
R.	Reid, C.	The effect on renal efficiency of lowering the blood-pressure in cases of high blood-pressure. (2) Diastatic activity in blood and urine.	M.D.
T.	Walker, C. W.	Notes on an epidemic of summer diarrhœa in London.	M.D.
R.	Nicol, A. M.	An investigation into the auto-hæmolytic reaction of human urine.	M.D.
R.	Fiddes, J.	Studies on some fundamental phenomena of life as exemplified in the cardiac muscle of the lower vertebrates.	M.D.

T.	Turner, A. A.	An analysis of the death-rates for the county borough of Croydon from 1881 to 1923 for various age groups and in respect of various diseases.	M.D.
A.	Milne, C. H.	A reconstruction of the Old-Latin text or texts of the Gospels used by St. Augustine.	D.Litt.
O.	Henderson, J. McA.	The influence of ultra-violet light on the mineral metabolism of growth and lactation.	D Sc.
N.	Humphries, J. E.	Studies in phenylhydrazones.	D.Sc.
A, K.	Dickie, W. M.	The scientific method and achievement of Aristotle and Bacon.	Ph.D.
O.	Cruickshank, E. M.	Investigation on the factors affecting the mineral content of pastures, with special reference to seasonal variation and the effect of mineral fertilisers.	Ph.D.
N.	Fraser, G. J.	Some aspects of the theory of space quantization in a magnetic field.	Ph.D.
O.	Kelly, F. C.	The rôle of iodine in nutrition.	Ph.D.
B.	Clark, I. M.	A history of Church discipline in Scotland.	Ph.D.

EDINBURGH

T.	Buchanan, G.	Spirochætal jaundice.	M.D.
T.	Butter, A. J. M.	The dosage of scopolamine-morphine in the conduct of labour, with a record of thirty-five cases.	M.D.
T.	Cooper, D. G.	Leucocytic changes following the intravenous injection of peptones.	M.D.
T.	Cripps, F. R.	Chronic senecio poisoning: an attempted reproduction of cirrhosis of the liver by the continuous ingestion of senecio.	M.D.
T.	Dunn, D. D.	Typhus fever, with special reference to its occurrence in South African natives.	M.D.
T.	Galloway, R. M.	Creatine and creatinine, with special reference to the creatinine coefficient in pulmonary tuberculosis.	M.D.
T.	Joubert, S. W.	Remarks on colitis, with special reference to its incidence and treatment in South Africa.	M.D.
T.	Masson, G. A.	Experimental investigations into the toxicity of bismuth, with special reference to its action on the circulatory system.	M.D.
T.	Adie, W. J.	On narcolepsy: a disease *sui generis*, with a short inquiry into the nature of sleep.	M.D.
T.	Bethell, S. E.	Observations on kala-azar in North China.	M.D.

T.	Ferguson, J. B.	Ultra-violet radiation: its possibilities and uses, with special reference to its application in the work of a modern public health department.	M.D.
T.	Davié, J. P.	The problem of the stethoscope: an inquiry, experimental and philosophical, into the properties of this instrument and the physics of auscultation.	M.D.
T.	Hayes, H. D.	Some observations on the blood sugar in dementia præcox.	M.D.
T.	Hewat, A. F.	Tuberculous infection in industrial school children: a clinical study, embracing the physical examination, vital capacity, and radiograms of a group of sixty boys.	M.D.
T.	Ingram, J. K. D.	Observations on the value of subcutaneous injections of milk in the treatment of certain diseases and injuries of the eye.	M.D.
T.	Kelly, E. H.	An investigation into the incidence and significance of hyperglycemia in certain pathological and physiological conditions.	M.D.
T.	M'Cracken, I. E.	Consecutive tests, by the fractional method of gastric analysis, in seventy-five cases presenting gastric symptoms.	M.D.
T.	M'Intyre, J.	Some new methods of treating venereal diseases: a report on their use in county venereal diseases clinics.	M.D.
T.	Mair, W. F.	Myositis ossificans progressiva.	M.D.
T.	Manson, J.	The relationship of chronic infections to mental disorders.	M.D.
T.	Pienaar, J. A.	Epidemic influenza.	M.D.
T.	Ritchie, R. J. D.	An analysis of 1430 cases of nasal disease with headache as a symptom: its cause, position, and the effect upon it of operation and treatment.	M.D.
T.	Robertson, W. A.	Infantile marasmus.	M.D.
T.	Robertson, J. D.	A comparison of the results of treatment of ankylostomiasis with various drugs.	M.D.
T.	Scott, R. C.	The blood sugar in obesity: a survey of the recent literature, with an account of the personal investigation of several cases.	M.D.
T.	Scovell, J. M. S.	Ultra-violet light, with special reference to its use in diseases of the skin.	M.D.

T.	Sinderson, H. C.	Helminthic infestations of man in Iraq.	M.D.
T.	Stewart, J. P.	Acute diffuse purulent meningitis of aural origin: a general survey of 103 cases during a period of seventeen and a half years, from the Ear, Nose, and Throat department of the Royal Infirmary, Edinburgh.	M.D.
T.	Turton, P. H. J.	The etiology of endemic goitre, with special reference to the urban district of Heanor in the county of Derby.	M.D.
T.	Williamson, A. B.	The significance of vital capacity in pulmonary tuberculosis, including treatment by artificial pneumothorax.	M.D.
E.	Marwick, H.	The Orkney norn.	D.Litt.
L.	Parker, J.	A mathematical and experimental investigation on mine ventilation and fans.	D.Sc.
N.	Fairweather, D. A. W.	Electrosynthesis.	D.Sc.
N	Khastgir, S. R.	Studies in the J-transformation of scattered X-radiation.	D.Sc.
N.	Ross, J. D. M'B.	A relationship between the associating power of optical isomers and the formation of racemic compounds.	D.Sc.
N.	Shearer, G.	The application of the method of X-ray analysis to the study of the organic aliphatic series.	D.Sc.
N.	Wishart, R. S.	Studies in the azine series.	D.Sc.
Q.	Muir, J.	The flora of Riversdale, South Africa.	D.Sc.
K, R.	Gordon, R. G.	Personality.	D.Sc.
D.	Hamilton, J. A.	A history of Byzantine architecture, with special reference to problems of origin and evolution of plan.	Ph.D.
E.	Allan, C. F.	Theodor Storm's prose style: a study of the evolution of the literary style and construction of the *Novellen*, based on the original MSS.	Ph.D.
E.	Burns, H. R.	Rainer Maria Rilke's *Mir zur Feier* and *Die Frühen Gedichte* (a study in the development of his style).	Ph.D.
E.	Small, L. M.	Gunnlaugssaga ormstungu.	Ph.D.
H.	Fenelon, K. G.	The economics of road transport.	Ph.D.
H.	Taylor, J.	Railway organization and administration.	Ph.D.
I	Gordon, D. C. B.	The political and educational ideas and ideals of John Knox.	Ph.D.
K.	Asirvatham, J. E.	Herbert Spencer's theory of social justice.	Ph.D.
K.	Hasegawa, K.	Theories of pleasure-unpleasure.	Ph.D.

L.	Penman, J. S.	(1) The propeller type of fan and its application to the ventilation of mines. (2) An investigation of (*a*) The relationship between pressure and volume in the flow of air in mines ; (*b*) The effect of natural ventilation ; (*c*) The resistance of mine ventilators.	Ph.D.
L.	Todd, J. B.	An experimental determination of the resistance to the flow of oil in steel pipes, bends and elbows of small diameter, under varying conditions of velocity and viscosity.	Ph.D.
M.	Madwar, M. R.	On the cause of anomalous determination of time.	Ph.D.
N.	Kerr, R. N.	The dielectric constants of organic liquids: (*a*) binary mixtures; (*b*) disubstituted benzene derivatives.	Ph.D.
N.	Mackenzie, M. R.	The " protective " action of gelatine on silver chromate.	Ph.D.
N.	Numbers, A. H.	The influence of substituents on the optical rotatory power of organic compounds. The isomeric methoxy and nitro-benzoic esters of active secondary *B*-octyl alcohol.	Ph.D.
N.	Silberschmidt, R. I.	The constitution of laurotetanine.	Ph.D.
N.	Somerville, I. C.	The preparation of optical isomers in the camphor series, and the investigation of their melting point curves.	Ph.D.
N.	Walker, O. J.	The action of yellow phosphorus on salt solutions of the heavy metals.	Ph.D.
N.	Williamson, W. T. H.	The rate of sedimentation of kaolin suspensions as affected by salts at varying hydrogen ion concentrations.	Ph.D.
O.	Gregor, J. W.	The pollination of some important agricultural grasses with a view to improved methods of breeding.	Ph.D.
O.	Sansome, F. W.	1. Dry matter Swedes : a study of single root sampling and of inheritance. 2. A contribution to the genetics and sex-determination in melandrium. 3. The genetics and cytology of apogamy in hieracium.	Ph.D.
O.	Smith, A. M.	Absorption by different soil types: the relative proportions of exchangeable bases in some Scottish soils.	Ph.D.
Q.	Lunn, J. W.	The intrusive igneous rocks of West Lothian.	Ph.D.
Q.	Oldham, J. N.	The structure and comparison of the hind spiracles in species of	Ph.D.

		Tipula larvæ for identification of species and also of the related *Pedicia rivosa*, L. 2. *Hieroxestis subcervinella*, Wkr., an enemy of the banana in the Canary Islands.	
Q.	Wallace, G. B.	A biologic study of microsporium and related genera, with an account of saltation.	Ph.D.
R.	Schlapp, W.	The active principles of the posterior lobe of the pituitary body.	Ph.D.
T.	White, A. C.	The blood fats in diabetes mellitus in relation to treatment.	Ph.D.

GLASGOW

C.	Renwick, W. L.	Edmund Spenser: an essay on Renaissance poetry, with additional papers.	D.Litt.
Q.	Dunkerly, J. S., B.Sc. (Lond.).	The development and relationship of the myxosporidia.	D.Sc.
L.	Lobban, C. H.	Grillage and reinforced concrete foundations.	D.Sc.
L.	Raeburn, C.	The tinfields of Nassarawa and Ilorin Provinces.	D.Sc.
N.	Hansford, R. V.	A description of a high-frequency generator utilizing thermionic valves and forming part of a modern high-power radio-transmitting station.	D.Sc.
N.	McHutchison, J. P.	Researches in radio-activity with the radio-elements radium D and radium E.	D.Sc.
B.	Dunning, T. G.	God and the absolute.	Ph.D.
G.	Farmer, H. G.	A musical history of the Arabs of the Middle Ages.	Ph.D.
W.	Harvey, J.	John Sturm: a pioneer of secondary education.	Ph.D.
N.	Brown, D. G.	(1) The action of chlorine on aniline (formation of azine dyestuffs). (2) The hydroferrocyanides and hydroferricyanides of the alkaloids.	Ph.D.
N.	Ferrier, G. S.	The neutral reduction of nitric compounds and the action of light on azoxy compounds.	Ph.D.
N.	Fisher, M. S.	Some properties of steel.	Ph.D.
N.	Hay, R.	Constitution of alloys: copper, zinc, duralumin and steel, with additional papers.	Ph.D.
N.	Higgins, R.	Growth of cast iron.	Ph.D.
N.	Robertson, J. M.	Some aspects of the iron-carbon diagram.	Ph.D.
N.	Robertson, J. M.	The structural relationship of certain members of the bicyclic sesquiterpene series.	Ph.D.

N.	Smith, G. H.	The cause of the characteristic odour of shale oil, and methods of eliminating it.	Ph.D.
N.	Sword, J.	Studies in the terpenes and sesquiterpenes.	Ph.D.
N.	Fulton, J. D.	Studies in optical superposition.	Ph.D.
N.	Mitchell, S. T. R. S.	Selective fermentation in relation to the resolution of optically active compounds.	Ph.D.
Q.	Williams, S.	A critical examination of the vittarieæ with a view to their systematic comparison.	Ph.D.
R.	Watson, A. McL.	A study of the functional connexion between suprarenal cortex and testes.	Ph.D.
L.	Hague, B.	The testing of instrument transformers.	Ph.D.
L.	Thom, A.	Windchannel experiments, with special reference to rotating cylinders.	Ph.D.

ST. ANDREWS

T.	Elder, W. S. D.	Reaction of the eye to changes in the osmotic pressure of the blood. (Published *British Journal of Ophthalmology*, vol. ix. pp. 167-187, April 1925 ; vol. x. pp. 1-30, 31-35, January 1926.)	M.D.
T.	Ali Khan, W.	Anophthalmia and microphthalmia. (Published *British Journal of Ophthalmology*, 1926.)	M.D.
T.	Ahuja, M. L.	Serological syphilimetry.	M.D.
T.	Scott, A. A. B.	Notes on cases of cataract and their sugar tolerance. (Not published.)	M.D.
T.	Greig, D. S.	Observations on routine pelvic examinations in the puerperium. (Not published.)	M.D.
T.	Tullis, W. L.	Smallpox in Middlesbrough, 1875–1925. (Not published.)	M.D.
T.	Campbell, A. J.	Diaphragmatic paralysis as a therapeutic measure in disease of the lung. (Not published.)	M.D.
T.	Laird, A.	Some of the more unusual manifestations of syphilis. (Not published.)	M.D.
T.	Murray, G. J. (Aberdeen).	Radioscopy in the diagnosis of gastro-duodenal and gall-bladder affections.	M.D.
T.	Winchester, J. W.	Chronic pulmonary tuberculosis : an evidence of the Koch phenomenon.	M.D.
A.	Allardice, J. T.	Syntax of Terence. (Not yet published.)	D.Litt.

M.	Vaidyanathaswamy, R. S. (Madras).	Studies in form-theory. (Published as follows: "On Mixed Determinants," *Proceedings of the Royal Society of Edinburgh*, 1925; "The General m, n Correspondence," *Proceedings Cambridge Philosophical Society*, 1926 and 1927.)	D.Sc.
N.	Forrest, J. (Glas.).	Magnetic quality in crystals. Part I. Magnetic discrimination of molecular lattices; Part II. Stability of molecular lattices. (Abstract or Synopsis published in *Phil. Mag.*, Nov. 1925. Title of Paper: "Magnetic Quality in Crystals." Papers (three) in *Trans. Roy. Soc., Edin.*, vol. liv. Part III. No. 14. Part I. Discrimination of Magnetic Lattices. Part II. Stability of Magnetic Lattices. Part III. Twinning in Crystals, pp. 601-701.)	D.Sc.
L.	Walker, W. J.	Developments of engineering thermodynamics. Analysis for variable specific heat conditions. (Partly published by the Institution of Civil Engineers as a selected Engineering paper in 1926 under the title *A Standard Cycle for all Types of Internal Combustion Motor.*)	D.Sc.
Q.	Kirk, S. R.	A coast section in the calciferous sandstone series of Eastern Fife. (Published, *Transactions of the Edinburgh Geological Society*, vol. xi. Part III. p. 366.)	Ph.D.
N.	Scott, J.	An attempt to synthesize apomorphine dimethyl ether. (Partly published, *Transactions of the Chemical Society*, 1922, vol. 121, p. 844.)	Ph.D.
N.	Allan, J.	The relative directive power of groups of the form RO—in aromatic substitution and a new synthesis of flavones and flavonols.	Ph.D.
N.	Black, I. W. M. A.	A correction of the constitution of maltose. (Published, *Journal of the Chemical Society*, 1926, vol. 129, p. 862.)	Ph.D.
R.	Cumming, W. M.	A study of the reaction curve in a series of 117 strains of tubercle bacilli. (Abstract published: *Edinburgh Medical Journal*, March 1926.)	Ph.D.

Q.	McCall, D.	The diatomaceæ, recent and fossil, of the district of the Tay estuary. (Not yet published.)	Ph.D.
I.	Pryde, G. S.	Scots burgh finances prior to 1707. (Not yet published.)	Ph.D.
N.	Sandeman, I.	The band spectrum of hydrogen at higher pressures. (Published, *Proceedings of Royal Society*, Part I. vol. 108, pp. 607-616, 1925; Part II. vol. 110, pp. 326-341, 1926.	Ph.D.
N.	Traill, D.	The labile nature of the halogen atom in organic compounds. (Published, *Journal of Chemical Society*, vol. 127, 1925, p. 892; vol. 127, 1925, p. 1118; 1926, p. 1248; *Proceedings Royal Irish Academy*, vol. 37, Sect. B, No. 7.)	Ph.D.
N.	Carter, P. G. (Sydney).	Researches on Phellandrenes and related compounds. (Partly published: "Researches on Phellandrenes," Part II. *Transactions of the Chemical Society*, 1924, vol. 125, pp. 930-940.) 2. "The Action of Phosphoric Acid on certain Terpenes and Related Compounds," *Journal of the Society of Chemical Industry*, 1925, vol. 44, pp. 543T-547T. (Published, Dec. 18, 1925.) 3. "Some Derivatives of 1 : 1′-Bismenthone," *Journal of the Society of Chemical Industry*, 1926, vol. 45, pp. 44T-46T. (Published Feb. 12, 1926.)	Ph.D.
N.	Armit, J. W.	A study of conjugation and anhydrobuse formation in polynuclear heterocyclic types, with a supplement on "Some Derivatives of Kojic Acid." (Partly published, *Journal of the Chemical Society*, 1922, vol. 121, p. 827; 1925, vol. 127, p. 1606.)	Ph.D.
N.	Dennler, W. S.	A study of the saturation capacity and of the migratory aptitude of the α-naphthyl group. (Part published, viz.: 1. "Elimination of the Amino-group of Tertiary Amino-alcohols"; Part II. The Seminipacolinic Deamination of β-Hydrixy-β-diphenyl-β-naphthylethylamine," by McKenzie and Dennler (*Journal of the Chemical Society*, 1924, 125, 2105.) 2. "The Dehydration of Glycols	Ph.D.

		derived from α-Naphthylglycollic Acid," by McKenzie and Dennler (*Journal of the Chemical Society*, 1926, 129, 1596).	

QUEEN'S UNIVERSITY OF BELFAST

T.	O'Connor, J. E.	Scarlet fever.	M.D.
T.	Morris, H. McE.	Miners' nystagmus.	M.D.
T.	Orr, J. W.	A contribution to the study of the pathology of the gall-bladder.	M.D.
T.	Watterson, D. K.	Nine cases of pulmonary tuberculosis treated with sanocrysin.	M.D.
T.	Clarke, B. R.	The treatment of pulmonary tuberculosis by sanocrysin.	M.D.
T.	McKinstry, R. N.	Observations on the treatment of syphilis.	M.D.
R, T.	Loughridge, J. S.	The phosphate mechanism in muscle.	M.D.
T.	Baker, A. H.	Observations on the main causes of fœtal and neonatal death.	M.D.
N.	Watt, W. J.	Magnetic rotation.	Ph.D.

UNIVERSITY OF DUBLIN

B.	Patterson, L., B.A. Cambridge.	Theodore of Mopsuetia.	D.D.

NATIONAL UNIVERSITY OF IRELAND

Q.	Jack, H. W.	Variation in coconuts, with particular reference to fruit production (*Malaya Agr. Journal*, vol. xiii. No. 2); Rice in Malaya (*Bulletin* No. 5, 1923, Dep. of Agr. Fed. Malay States).	D.Sc.
W.	Holland, J. J.	Combined agricultural and literary education in Ireland, 1765–1865.	Ph.D.

QUEEN'S UNIVERSITY, KINGSTON, ONTARIO

N.	Lowe, P.	Intensity relations in the spectra of gases and their bearing on atomic theory.	Ph.D.

TORONTO

W.	Bannister, J. A.	Early educational history of the county of Norfolk.	D.Paed.
W.	Munro, P. F.	An experimental investigation of the mentality of the Jew in Ryerson Public School, Toronto.	D.Paed.
T.	Berry, A. E.	Viability of pathogenic organisms in butter.	Ph.D.
H.	Brady, A.	William Huskisson and Liberal Reform.	Ph.D.

H.	Cheng, H. Y.	The Oriental immigration in Canada.	Ph.D.
R.	Eagles, B. A.	Purine metabolism; New substances in corpuscles; Creatine in brain and muscle.	Ph.D.
Q.	Fritz, M. A.	The stratigraphy and palæontology of the workman's creek section of the Cincinnatian series of Ontario.	Ph.D.
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R.	Markowitz, J.	Contributions on carbohydrate metabolism as influenced by insulin.	Ph.D.
N.	Rotenberg, M. L.	On photo-electric conductivity of diamond and other fluorescent crystals. On the characteristic X-rays from light elements.	Ph.D.
U.	Grayson Smith, H.	Some studies in spectroscopy and refractivity of gases. Changes in the refractivities of excited atoms and molecules. On the fine structure of the band spectra of sodium, potassium, and sodium-potassium vapours. The infra-red spectra of certain elements. On the series spectrum of palladium.	Ph.D.

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I.	Beyers, C.	Die Kaapse Patriotte, 1779–91.	D.Phil.
S.	Krige, A. V.	Changes of sea-level in South Africa.	D.Sc.

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Q.	Misra, A. B.	Indian lac insect.	D.Sc.

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