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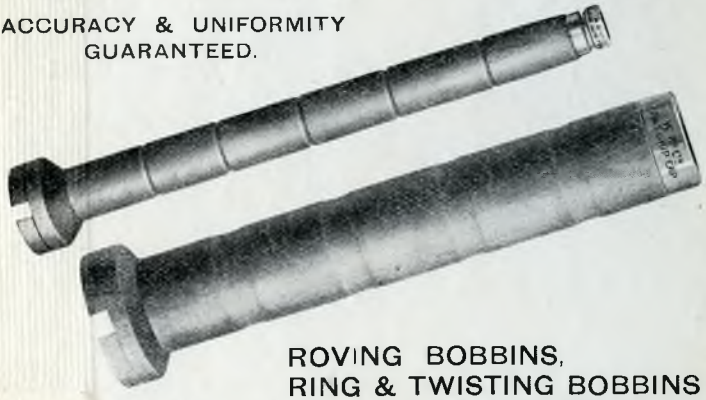

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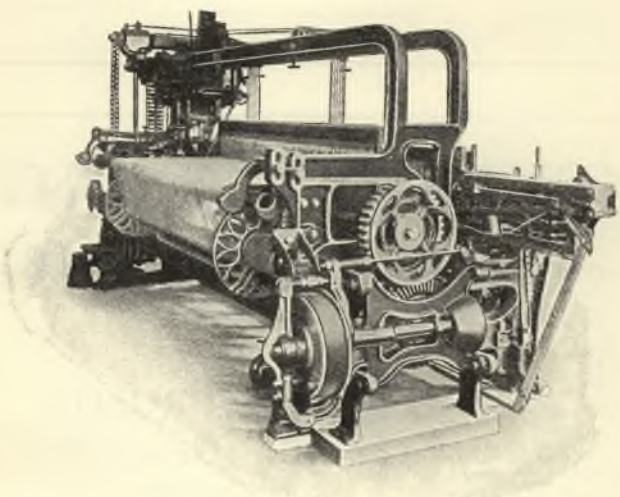

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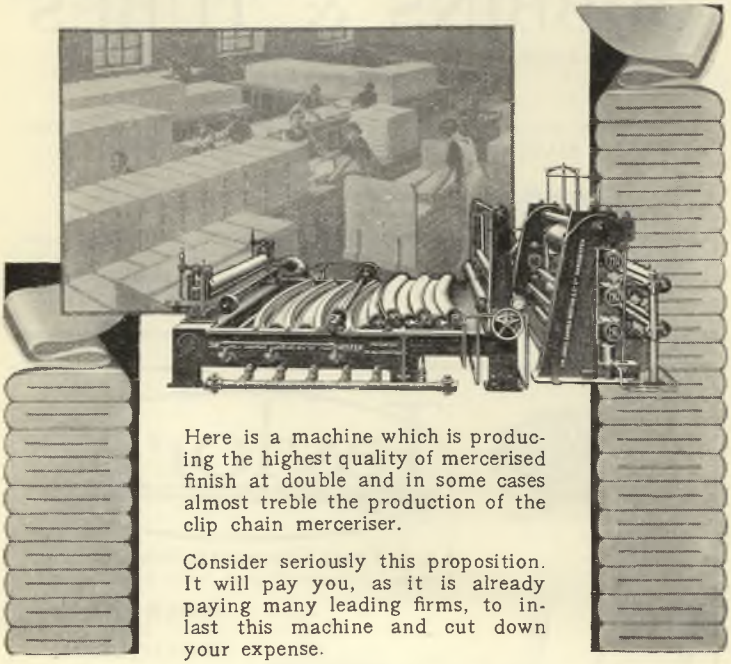

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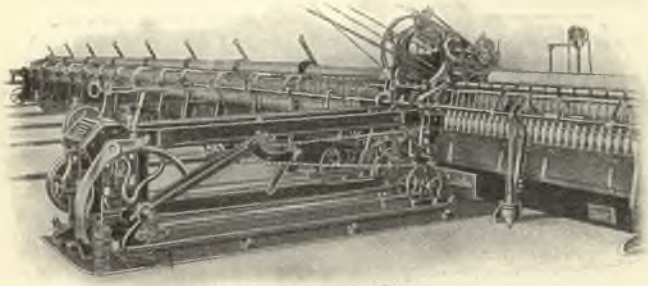

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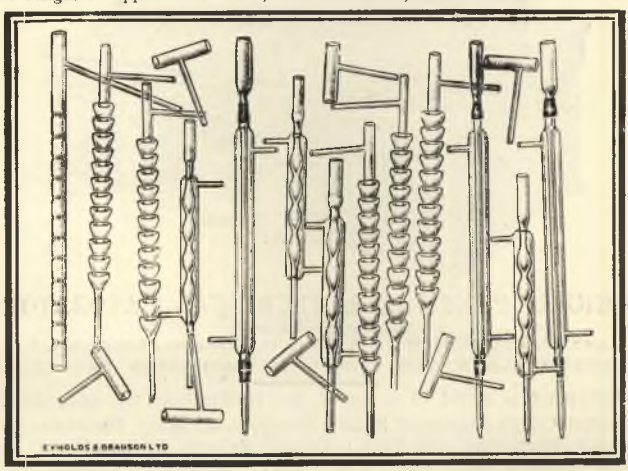

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ALMANAC, 1929-30

OCTOBER, 1929

1	Tu	**First Term in all Faculties begins.** Admission of students.
2	W	Admission of students. Meeting of Senate.
3	Th	
4	F	
5	S	
6	S	
7	M	
8	Tu	
9	W	Meeting of Finance Committee.
10	Th	
11	F	
12	S	
13	S	
14	M	
15	Tu	Meeting of Board of Faculty of Arts.
16	W	Meeting of Council.
17	Th	Special Meeting of Board of Faculties of Science and Technology.
18	F	
19	S	
20	S	
21	M	
22	Tu	
23	W	
24	Th	
25	F	
26	S	
27	S	
28	M	
29	Tu	Meeting of Board of Faculty of Medicine.
30	W	Meeting of Women's Halls Committee. O.T.C. Field Day. Meeting of Textile Committee.
31	Th	Meeting of Board of Faculties of Science and Technology.

NOVEMBER, 1929

1	F	
2	S	Meeting of Library Committee.
3	**S**	
4	M	
5	Tu	
6	W	Meeting of Senate.
7	Th	
8	F	
9	S	
10	**S**	
11	M	Meeting of the Cancer Research Advisory Committee.
12	Tu	
13	W	Meeting of Finance Committee.
14	Th	
15	F	
16	S	
17	**S**	
18	M	
19	Tu	Meeting of Board of Faculty of Arts.
20	W	Meeting of Council.
21	Th	
22	F	
23	S	
24	**S**	
25	M	
26	Tu	Meeting of Board of Faculty of Medicine.
27	W	O.T.C. Field Day.
28	Th	Meeting of Board of Faculties of Science and Technology.
29	F	
30	S	

DECEMBER, 1929

1	S	
2	M	
3	Tu	
4	W	Meeting of Senate.
5	Th	Medical and Dental examinations begin.
6	F	
7	S	
8	S	
9	M	
10	Tu	
11	W	Meeting of Finance Committee.
12	Th	
13	F	
14	S	
15	S	
16	M	
17	Tu	Meeting of Board of Faculty of Arts.
18	W	Meeting of Council.
19	Th	
20	F	**First Term in all Faculties ends.** Evening Class Session (First Term) ends.
21	S	
22	S	
23	M	
24	Tu	
25	W	CHRISTMAS DAY. University closed.
26	Th	University closed.
27	F	University closed.
28	S	University closed.
29	S	
30	M	
31	Tu	

JANUARY, 1930

1	W	
2	Th	
3	F	
4	S	
5	**S**	
6	M	
7	Tu	
8	W	Meeting of Finance Committee.
9	Th	**Second Term in all Faculties begins.**
10	F	
11	S	
12	**S**	
13	M	Evening Class Session (Second Term) begins.
14	Tu	
15	W	Meeting of Council.
16	Th	
17	F	
18	S	
19	**S**	
20	M	
21	Tu	Meeting of Board of Faculty of Arts.
22	W	
23	Th	
24	F	
25	S	
26	**S**	
27	M	
28	Tu	Meeting of Board of Faculty of Medicine.
29	W	Meeting of Women's Halls Committee.
30	Th	Meeting of Board of Faculties of Science and Technology.
31	F	

FEBRUARY, 1930

1	S	Last day of entry and payment of fees for Medical and Dental examinations held in March. Meeting of Library Committee.
2	S	
3	M	
4	Tu	
5	W	Meeting of Senate. O.T.C. Field Day.
6	Th	
7	F	
8	S	
9	S	
10	M	
11	Tu	
12	W	Meeting of Finance Committee.
13	Th	
14	F	
15	S	
16	S	
17	M	
18	Tu	Meeting of Board of Faculty of Arts.
19	W	Meeting of Council.
20	Th	
21	F	
22	S	
23	S	
24	M	
25	Tu	Meeting of Board of Faculty of Medicine.
26	W	Meeting of Textile Committee.
27	Th	Meeting of Board of Faculties of Science and Technology.
28	F	

MARCH, 1930

1	S	Last day of entry and of payment of fees for Degree and Diploma examinations held in June, and last date of application for Senior Scholarships.
2	**S**	
3	M	Last day for Return of books to Library.
4	Tu	
5	W	Meeting of Senate.
6	Th	
7	F	
8	S	
9	**S**	
10	M	
11	Tu	
12	W	Meeting of Finance Committee.
13	Th	
14	F	
15	S	
16	**S**	
17	M	
18	Tu	Meeting of Board of Faculty of Arts.
19	W	Meeting of Council.
20	Th	
21	F	Evening Class session (Second Term) ends.
22	S	**Second Term in all Faculties ends.**
23	**S**	
24	M	
25	Tu	
26	W	
27	Th	
28	F	
29	S	
30	**S**	
31	M	

APRIL, 1930

1	Tu	
2	W	
3	Th	
4	F	
5	S	
6	**S**	
7	M	
8	Tu	
9	W	Meeting of Finance Committee.
10	Th	
11	F	
12	S	
13	**S**	
14	M	
15	Tu	
16	W	Meeting of Council.
17	Th	
18	F	GOOD FRIDAY. University closed.
19	S	University closed.
20	**S**	EASTER DAY.
21	M	University closed.
22	Tu	University closed.
23	W	
24	Th	**Third Term in all Faculties begins.** Meeting of Board of Faculties of Science and Technology.
25	F	**Foundation of University (1904)**
26	S	
27	**S**	
28	M	
29	Tu	
30	W	

MAY, 1930

1	Th	Last day of entry for Leighton Exhibitions, and for sending in Theses and Dissertations for degrees.
2	F	Meeting of Library Committee.
3	S	
4	S	
5	M	
6	Tu	
7	W	Meeting of Senate.
8	Th	
9	F	
10	S	
11	S	
12	M	Meeting of Cancer Research Advisory Committee.
13	Tu	
14	W	Meeting of Finance Committee.
15	Th	
16	F	
17	S	
18	S	
19	M	
20	Tu	Meeting of Board of Faculty of Arts.
21	W	Meeting of Council.
22	Th	
23	F	
24	S	
25	S	
26	M	
27	Tu	Meeting of Board of Faculty of Medicine.
28	W	Meeting of Women's Halls Committee. Meeting of Textile Committee.
29	Th	Meeting of Board of Faculties of Science and Technology.
30	F	
31	S	

JUNE, 1930

1	S	
2	M	
3	Tu	
4	W	Meeting of Senate.
5	Th	
6	F	Meeting of Library Committee.
7	S	
8	S	WHIT-SUNDAY.
9	M	University closed.
10	Tu	University closed.
11	W	Meeting of Finance Committee.
12	Th	
13	F	
14	S	
15	S	
16	M	
17	Tu	Meeting of Board of Faculty of Arts.
18	W	Meeting of Council.
19	Th	
20	F	
21	S	
22	S	
23	M	
24	Tu	Meeting of Board of Faculty of Medicine. Meetings of Examiners in Arts and Science.
25	W	Special Senate.
26	Th	Meeting of Fellowships and Scholarships Committee.
27	F	Meeting of Board of Faculties of Science and Technology.
28	S	
29	S	
30	M	**Third Term in all Faculties ends.** Degree Day.

JULY, 1930

1	Tu	
2	W	
3	Th	
4	F	
5	S	
6	S	
7	M	
8	Tu	
9	W	Meeting of Finance Committee.
10	Th	
11	F	
12	S	
13	S	
14	M	
15	Tu	
16	W	Meeting of Council.
17	Th	
18	F	
19	S	
20	S	
21	M	
22	Tu	
23	W	
24	Th	
25	F	
26	S	
27	S	
28	M	
29	Tu	
30	W	
31	Th	

AUGUST, 1930

1	F	Last day of entry and payment of fees for examinations in Arts, Commerce, Law, Medicine and Dentistry held in September.
2	S	
3	**S**	
4	M	BANK HOLIDAY. University closed.
5	Tu	University closed.
6	W	
7	Th	
8	F	
9	S	
10	**S**	
11	M	
12	Tu	
13	W	
14	Th	
15	F	
16	S	
17	**S**	
18	M	
19	Tu	
20	W	
21	Th	
22	F	
23	S	
24	**S**	
25	M	
26	Tu	
27	W	
28	Th	
29	F	
30	S	
31	**S**	

SEPTEMBER, 1930

1	M	
2	Tu	
3	W	
4	Th	
5	F	
6	S	
7	S	
8	M	
9	Tu	Supplementary Degree Examinations begin.
10	W	
11	Th	
12	F	
13	S	
14	S	
15	M	
16	Tu	
17	W	
18	Th	
19	F	
20	S	
21	S	
22	M	
23	Tu	
24	W	
25	Th	
26	F	
27	S	
28	S	
29	M	
30	Tu	

THE UNIVERSITY OF LEEDS

THE CHARTER

EDWARD VII, by the Grace of God, of the United Kingdom of Great Britain and Ireland and of the British Dominions beyond the Seas, King, Defender of the Faith. To all to whom these presents shall come, greeting.

Whereas by Charter of Her Late Majesty Queen Victoria, dated 20th April, 1880, the Victoria University was founded and constituted having its seat in the City of Manchester.

And whereas the Owens College, Manchester, was thereby constituted a College in the University and provision was made that other Colleges might from time to time be admitted as Colleges in the University in the manner and subject to the conditions therein prescribed.

And whereas the University College, Liverpool, was by resolution of the Court of the University admitted as a College of the University on the 5th November, 1884, and The Yorkshire College, Leeds, was by resolution of the said Court admitted as a College in the University on the 3rd November, 1887, but no other College has been so admitted.

And whereas the said University College, Liverpool, has presented to Us in Our Council a humble Petition under the Common Seal of that College praying us to erect a University within the City of Liverpool.

And whereas the Owens College, Manchester, has presented to Us in Our Council a humble Petition under the Common Seal of that College praying that a new or supplemental Charter may be granted so as to constitute and continue the Victoria University as a University in Manchester without association with any College except the Owens College

And whereas the Yorkshire College, Leeds, has presented to Us in Our Council a humble Petition under the Common Seal of that College, praying Us to erect a University having its seat in Leeds.

And whereas we have taken the said Petitions into Our Royal consideration and are minded to accede thereto.

Now therefore know ye that We, by virtue of Our Royal Prerogative and all other powers in that behalf enabling us of Our Special Grace certain knowledge and mere motion by these presents Do for Us, Our Heirs and Successors, grant, will, direct, and ordain as follows:

I. There shall be from henceforth for ever in Our said City of Leeds a University of the name and style of "The University of Leeds," which shall be and continue one body politic and corporate with perpetual succession and a common seal and with full power and capacity by and in such name to sue and be sued and to do all other lawful acts whatsoever and with full power and capacity, subject to the restrictions herein set forth, without any further licence to all persons and corporations to assure and to the University to take, by gift or otherwise purchase and hold and also to grant demise or otherwise dispose of real and personal property.

II. The University shall have the powers following:

1. To grant and confer Degrees and other academic distinctions to and on persons who shall have pursued an approved course of study in the University and shall have passed the examinations of the University under conditions laid down in its Statutes or Ordinances. Provided that degrees representing proficiency in technical subjects shall not be conferred without proper security for testing the scientific or general knowledge underlying technical attainments.

2. To admit graduates of other Universities to Degrees of equal or similar rank in the University.

3. To confer Degrees of the University on any persons who hold office in the University as Professors, Readers, Lecturers, or otherwise, or who shall have carried on independent research therein, or on any persons who, at the date of this Our Charter, are Associates of the York shire College.

4. To grant Diplomas, Licentiateships, Certificates, or other distinctions to persons who have pursued a course of study approved by the University under conditions laid down by the University.

5. To confer Honorary Degrees, or other distinctions on approved persons.

Provided that all Degrees and other distinctions shall be conferred and held subject to any provisions which may be made in reference thereto by the Statutes, Ordinances, or Regulations of the University.

6. To provide for instruction in such branches of learning as the University may think fit, and also to make provision for research and for the advancement and dissemination of knowledge.

7. To examine and inspect schools and other educational institutions, to grant Diplomas and other Certificates, and to provide such lectures and instruction for persons not members of the University as the University may determine.

8. To accept the examinations and periods of study passed by students of the University at other Universities or places of learning as equivalent to such examinations and periods of study in the University as the University may determine, and to withdraw such acceptance at any time.

Provided that in no case shall the University confer a Degree in Medicine or Surgery upon any person who has not attended in the University during two years at least courses of study recognised for such Degree, or for one of the other Degrees of the University.

9. To affiliate other Colleges or institutions or branches or departments thereof, or to admit the members thereof to any of the privileges of the University, and to accept attendance at courses of study in such Colleges or institutions in place of such part of the attendance at courses of study in the University, and upon such terms and conditions and subject to such regulations as may from time to time be determined by the University.

10. To co-operate by means of joint boards or otherwise, with other Universities and Authorities for the

conduct of Matriculation examinations, for the examination and inspection of schools and other academic institutions and for such other purposes as the University may from time to time determine.

11. To enter into any agreement with the Yorkshire College for the incorporation of that College in the University, and for taking over its property and liabilities, and, if necessary, to promote a Bill in Parliament to confirm or carry out any such agreement.

12. To enter into any agreement with any other institution for the incorporation of that institution in the University and for taking over its property and liabilities, and for any other purpose not repugnant to this Our Charter.

13. To enter into any agreement with the Victoria University of Manchester or with the University of Liverpool for the division or apportionment of any of the moneys, endowments, or property of the Victoria University, with due regard to the local origin of any particular foundation, to the wishes of the Donors, and other special circumstances, and for reference to an Arbitrator in case of difference.

14. To institute Professorships, Assistant Professorships, Readerships, Lectureships, Teacherships, and any other offices required by the University, and to appoint to such offices. Also to institute and award Fellowships, Scholarships and Exhibitions and Prizes.

15. To license Halls for the residence of students.

16. To do all such other acts and things whether incidental to the powers aforesaid or not, as may be requisite in order to further the objects of the University as a Teaching and Examining Body, and to cultivate and promote Arts, Science, and Learning.

III. It shall be the duty of the University to co-operate, by means of a Joint Board or otherwise, with the Victoria University of Manchester and the University of Liverpool for the regulation and conduct of Matriculation examinations, including the conditions of exemption therefrom. Statutes of the University shall prescribe and regulate the constitution

and duties of the said Joint Board, the appointment and continuance in office of the members thereof, the filling of vacancies among the members, and all other matters relative to the Joint Board which it may be thought are proper to be so regulated and prescribed.

Visitor

IV. We, Our Heirs and Successors, Kings and Queens of the Kingdom and Dominions aforesaid, shall be and remain the Visitor and Visitors of the University through the Lord President of our Council for the time being, and in the exercise of the Visitorial Authority We and Our Heirs and Successors shall have the right from time to time and in such manner as We or They shall think fit to direct an inspection of the University, its buildings, laboratories, and general equipment, and also of the examination, teaching, and other work done by the University.

Authorities of the University

V. The Authorities of the University shall be the Chancellor, the Pro-Chancellor, the Vice-Chancellor, the Pro-Vice-Chancellor, the Court, the Council, the Senate, the Faculties, the Boards of Faculties, and the Convocation. There shall be a Treasurer and other proper officers of the University.

The Chancellor

VI. The Chancellor shall be the Head and Chief Officer of the University and President of its Court, Council, and Convocation, and shall, except as otherwise hereby provided, confer Degrees. He shall hold office during his life or until his resignation or until his removal for good cause by the Visitor at the instance of the Court.

Our right trusty and entirely beloved Cousin and Councillor, George Frederick Samuel, Marquis of Ripon, Knight of Our Most Noble Order of the Garter, Doctor of Laws, shall be the first Chancellor of the University.

His successors from time to time shall be elected by the Court on the nomination of the Council of the University.

The Pro-Chancellor

VII. In the absence of the Chancellor, or pending a vacancy in the office of Chancellor, or during the Chancellor's inability to act, the Pro-Chancellor shall exercise all the functions of the Chancellor, except the conferring of Degrees, and shall, if present, preside at any meetings of the Court and Council. Our trusty and well-beloved Arthur Greenhow Lupton, Chairman of the Council of the Yorkshire College, shall be the first Pro-Chancellor of the University, and shall hold his office for one year. Subsequent appointments to the said office shall be made annually by the Court on the nomination of the Council.

The Vice-Chancellor

VIII. The Vice-Chancellor shall be ex-officio Chairman of the Senate. In the absence of the Chancellor the Vice-Chancellor shall confer Degrees, except as otherwise hereby provided.

Our trusty and well-beloved Nathan Bodington, Principal of the Yorkshire College, Doctor of Letters, shall be the first Vice-Chancellor of the University, and shall hold such office for such term or terms and subject to such conditions as may from time to time be determined by the Council.

His successors from time to time shall be appointed by the Court on the nomination of the Council and shall hold such office for such term or terms and subject to such conditions as may from time to time be determined by the Council.

The Pro-Vice-Chancellor

IX. Subject to the Statutes and Ordinances of the University, and in the absence of the Vice-Chancellor, the Pro-Vice-Chancellor may act as Vice-Chancellor. The Pro-Vice-Chancellor shall from time to time be appointed by the Council from among the members of the Senate.

The Court

X. The Court shall be the governing body of the University and shall direct the form, custody, and use of the Common Seal, and shall have power to regulate and

determine all matters concerning the University, and generally shall exercise all the powers and discretions of the University, except as otherwise provided by this Our Charter or by the Statutes.

The Court shall have power by Statute to increase or diminish the number of its members, by increasing or diminishing the number to be nominated or appointed by the persons or bodies possessing the right of nomination or appointment, or by adding representatives of other bodies, or in any other manner.

The Statutes set forth in the Schedule hereto annexed shall be the first Statutes of the University under this Our Charter. The Court may amend, add to, or repeal the Statutes for the time being in force (including those set forth in the Schedule hereto), but no such amendment, addition, or repeal shall be valid or operative until allowed by Us or by a Committee of Our Council.

Ordinances may be made by the Court for the regulation of all matters not required by this Our Charter to be dealt with by Statute.

Provided (1) that it shall not be lawful for the Court, by any Statute or otherwise, to adopt or impose on any person any test whatever of religious belief or profession in order to entitle him to be admitted as a Professor, Teacher, Student, or Member of the University, or to hold office therein, or to graduate thereat, or to enjoy or exercise any privilege thereof.

Provided (2) that any Statute or Ordinance made by the Court be not repugnant to the laws of this Realm or to the general objects of this Our Charter.

Provided (3) that Statutes or Ordinances relating to Degrees, studies, and examinations shall not be adopted without report from the Senate.

Provided (4) that no change shall be made in any Statute or Ordinance altering the status, powers, or constitution of any of the Authorities of the University until such Authority shall have had an opportunity of pronouncing an opinion upon the proposed change

The Court shall have power to confer Degrees in absentiâ by a resolution of the Court, but save as aforesaid all Degrees shall be conferred by the Chancellor or in his absence by the Vice-Chancellor or Pro-Vice-Chancellor.

The Court shall have power to deprive any Graduate of the University who shall have been convicted of a crime or offence, or shall, in the opinion of the Court, have been guilty of scandalous conduct, of any Degree or Degrees conferred by the University and of all privileges enjoyed by him as such Graduate aforesaid.

The acts of the Court shall not be invalidated by any vacancy among its Members.

XI. Every Statute or alteration of a Statute, and every Ordinance or alteration of an Ordinance relating to any of the matters following, that is to say:

(*a*) The titles of Degrees,

(*b*) The establishment of new Degrees,

(*c*) The periods of residence and study in the University or in any affiliated or recognised institution required for Degrees,

(*d*) The conditions under which Degrees higher than the Degree of Bachelor in any faculty are to be granted,

(*e*) The courses for medical Degrees and the subjects of examinations,

shall before such Statute or alteration of a Statute shall be allowed and before such Ordinance or alteration of an Ordinance shall become operative and have effect be communicated to the Victoria University of Manchester and the University of Liverpool, and if within one month after the receipt of such communication notice of objection thereto shall have been given by the said Universities or either of them the question so arising shall be considered by a Joint Committee of the three Universities, and in default of agreement any of the said Universities may within one month make a representation in regard thereto to Us or to a committee of Our Council, and, in the event last mentioned, such Statute or Ordinance or alteration therein shall not become operative and have effect until allowed by Us or by such Committee.

Statutes of the University shall prescribe and regulate the constitution and appointment of the said Joint Committee and all other matters relating to the said Committee which it may be thought are proper to be so prescribed and regulated.

The Council

XII. The Council shall be the Executive Body of the University and may exercise and do such of the powers, authorities, and things by this Our Charter granted to or authorised to be done by the Court, as are, or shall from time to time be assigned to the Council by Statute or by the Court, except the election of Members of the Court to be Members of the Council.

The Court shall have power by Statute to increase or diminish the number of the Council, by increasing or diminishing the number to be nominated, elected, or appointed by the persons or bodies possessing the right of nomination or appointment, or by adding representatives of other bodies, or in any other manner.

The Council shall have power to draft Statutes and Ordinances as and when they see fit, and to submit the same to the Court for consideration and enactment.

The acts of the Council shall not be invalidated by reason of any vacancy among its members.

The Senate

XIII. The constitution of the Senate shall be determined by Statute.

The Senate shall, subject to the Statutes and Ordinances of the University, and subject also to review by the Court, have the control and general regulation of the instruction and education within the University and shall have power to discuss and pronounce an opinion on any matter whatsoever relating to the University and such other powers and duties as may be conferred upon it by Statute or Ordinance.

Faculties

XIV. The University shall include the Faculties of Arts, Science, Medicine and Technology, and such other Faculties

(whether formed by the sub-division of an existing faculty or by the creation of a new faculty or otherwise) as may from time to time be constituted by Statute.

The constitution and powers of the several Faculties shall be determined by Statute.

Such Boards of Faculties shall be appointed by the Council as the Council may from time to time determine; the members of each Board (the numbers of whom shall be in the discretion of the Council) shall be appointed by the Council from among members of one or more Faculties, or from among the External Examiners of the University.

Convocation

XV. The Convocation shall consist of the Chancellor, the Vice-Chancellor, the Pro-Vice-Chancellor, the Members of the Senate, the Lecturers, and the registered Graduates of the University.

The Court shall have power to fix the conditions of registration and to prescribe the annual or other fees, or a composition therefor which shall be necessary for registration.

The Chancellor, if present, shall preside at the Meetings of Convocation.

Powers of Convocation

XVI. Convocation shall have the following powers:

To elect its own Chairman, who shall, in the absence of the Chancellor, preside at its Meetings.

To elect representatives as Members of the Court and Council.

To discuss and pronounce an opinion on any matter whatsoever relating to the University, including any matters referred to them by the Court or the Council.

To prescribe the mode of conducting the proceedings of Convocation and of registering the same, and of reporting the same to the Court, Council, or Senate, or any of them.

To enter into communication directly with the Court, Council, or Senate on any matter affecting the University.

Regulations as to Procedure

XVII. The Court, the Council, the Senate, the Faculties, the Boards of Faculties, and Convocation respectively may from time to time make regulations for governing their respective proceedings, subject to this Our Charter and to the Statutes and Ordinances of the University.

The Treasurer

XVIII. Our trusty and well-beloved Sir John Barran, Baronet, Treasurer of the Yorkshire College, shall be the first Treasurer of the University, and shall hold his office for one year. Subsequent appointments to the said office shall be made annually by the Court.

Members of the University

XIX. The Members of the University shall be the Chancellor, the Pro-Chancellor, the Vice-Chancellor, the Pro-Vice-Chancellor, the Treasurer, the Members of the University Court, the Professors, Emeritus Professors, Assistant Professors, Readers, Lecturers and Demonstrators, and such other Teachers of the University as the Court may determine, the Members of the Faculties, the holders of such other University offices as the Council may from time to time determine, the Wardens or other chief officers of Halls of Residence licensed by the University, Fellows, Graduates, and Undergraduates of the University.

The Undergraduates of the University shall be such persons attending lectures, or receiving instruction in the University as shall have matriculated under the Statutes.

Advisory Committees

XX. The Council may from time to time appoint Advisory Committees, consisting of members of the University, and also if the Council shall think fit, of persons who are not members of the University, and may delegate to such Committees such duties as it thinks fit as regards financial, administrative, or other matters affecting the University or any particular Faculty or Department, or the management or supervision of any buildings or property of the University,

Examiners and Examinations

XXI. All examinations held by the University shall be conducted in such manner as the Statutes and Ordinances shall prescribe, provided that at least one external and independent examiner shall be appointed by the Council for each subject or group of subjects forming part of the course of studies required for University degrees, but this proviso shall not apply to examinations for admission or entrance to the University.

Provided that in case of a vacancy occurring in or during any examination or of other emergency the Vice-Chancellor shall have power to appoint a substitute for that examination.

General Provisions

XXII. All the Degrees and courses of study of the University shall be open to women, subject to such conditions and regulations as the Court may prescribe, and women shall be eligible for any office in the University and for membership of any of its constituent bodies, and in the present Charter words implying the male sex shall be held to include the female, unless the context clearly shows the meaning to be otherwise.

XXIII. The University may from time to time found and endow Fellowships, Scholarships, Exhibitions, and other Prizes for which funds or property may, by bequest, donation, grant, or otherwise be provided, and may make regulations respecting the same and the tenure thereof, but, except as aforesaid, and except by way of prize, reward, special grant, or remuneration for services rendered or to be rendered, in the past, present, or future respectively, the University shall not make any gift, division or bonus in money unto or between any of its members.

XXIV. In addition to the buildings, lands, and premises of the University for the time being used and occupied for the immediate purposes thereof, the University shall have power to hold lands, tenements, and hereditaments of an annual value not exceeding in the aggregate, at the time or respective times of the acquisition of the same, the sum of £50,000.

XXV. The University may demand and receive such fees as the Court may from time to time appoint.

XXVI. The Court may from time to time alter, amend, or add to these presents by a Special Resolution in that behalf, and such alteration, amendment or addition shall, when allowed by Us, our Heirs, or Successors, or by any Committee of our Most Honourable Privy Council, or other wise as We or They shall think fit, become effectual so that these presents shall thenceforward continue and operate as though they had been originally granted and made as so altered, amended, or added to. This Article shall apply to this Charter as altered, amended, or added to in any manner aforesaid.

XXVII. A Special Resolution is a Resolution passed at one meeting of the Court and confirmed at a subsequent meeting, held not less than one calendar month, nor more than three calendar months after the former, provided that the Resolution be passed at each meeting by a majority of not less than three-fourths of the Members of the Court present and voting thereon.

XXVIII. In this Our Charter "Statutes" means the Statutes set forth in the Schedule hereto and any Statutes altering, amending, adding to, or repealing the same or any of them which may hereafter be made and may be allowed by Us in Council, or by a Committee of Our Council.

"Ordinances" means Acts of the Court under the powers conferred by this Our Charter to which Our further sanction is not hereby or by Statute required.

"Regulations," except when otherwise required by the context, means Regulations made pursuant to this Our Charter or the Statutes.

XXIX. Our Royal Will and pleasure is that this Our Charter shall always be construed and adjudged in the most favourable and beneficial sense for the best advantage of the University, and the promotion of the objects of this Our Charter as well in all our Courts as elsewhere notwithstanding any non-recital, mis-recital, uncertainty or imperfection herein.

THE SCHEDULE

STATUTES

I.

The University Court

(*a*)

The University Court (hereinafter called the Court) shall consist of the following persons, viz.:

1. *Ex-officio* members, The Chancellor, the Pro-Chancellor, the Vice-Chancellor, and the Treasurer.

2 All present members of the Council of the Yorkshire College; all future members of the University Council, during their tenure of office; all present Perpetual and Life Governors of the College; and all future Donors of £1,000 to the University. If a donation of £1,000 be made by a company, society, or partnership firm, one member thereof may be nominated by the Donors as a member of the Court.

Six representatives of the Clothworkers' Company of London.

One representative of the Skinners' Company of London.

One representative of the Drapers' Company of London.

One representative of the Trustees of William Akroyd's Foundation.

One representative of the West Yorkshire Coal Owners' Association.

One representative of the Yorkshire Board of Legal Studies.

3. Representatives of Public Authorities, viz.:

Six from the County Council of the West Riding of Yorkshire.

Two from the County Council of the North Riding of Yorkshire.

Two from the County Council of the East Riding of Yorkshire.

Four from the Council of the County Borough of Leeds.

Two from the Council of the County Borough of Bradford.

One from the Council of the County Borough of York.

One from the Council of the County Borough of Hull.

One from the Council of the County Borough of Halifax.

One from the Council of the County Borough of Huddersfield.

One from the Council of the County Borough of Middlesbrough.

One from the Council of each of such other County Boroughs to be created in future as may be approved by the Court.

4. Representatives of the University:

Ten from the Faculties.

Representatives (not exceeding five in all) of the Convocation, viz:—one representative for every hundred members up to 500.

5. Representatives of other Institutions, viz.:

Representatives of such Affiliated Institutions as the Court may determine, and

One representative of the Victoria University of Manchester.

One representative of the University of Liverpool.

One representative of such other English University as the Court may determine.

6. Representatives of Schools:

Eight representatives of the Head Masters and Mistresses of Secondary Schools in Yorkshire, such representatives to be appointed by the Court.

7. Other Governors:

Three persons appointed by the Crown.

Ten persons elected by co-optation by the Court.

Except as otherwise by the Charter provided, and subject to the Statutes of the University, the Court may determine all matters relating to the nomination, appointment, and election of members of the Court and Council, and their respective periods or terms of office, and all other matters relating to the constitution of the Court and Council.

(*b*)

The Court shall have power to delegate its functions to the Council except as otherwise provided, and to delegate to the Senate the power to award Degrees other than *ad eundem* Degrees, Degrees conferred on persons who hold office in the University, and Honorary Degrees.

The periods during which members of the Court respectively shall hold office shall be as follows:

The Chancellor, the Pro-Chancellor, the Vice-Chancellor, the Treasurer, and all future members of the University Council shall hold office during the time they occupy the positions named respectively.

All present members of the Council of the Yorkshire College, and all present Perpetual and Life Governors of the Yorkshire College, and all future donors of £1,000 to the University, and the persons nominated by the donors in the case of donations of £1,000 made by a company, society, or partnership firm, shall hold office for their respective lives, or until resignation.

All other members mentioned in clause (*a*) 2 above, and all members mentioned in clause (*a*) 3 above, shall hold office for one year from the date of appointment. Of the members mentioned in clause (*a*) 4, the ten representatives of the Faculties shall hold office for two years from the respective dates of appointment, and five of such members, to be selected by lot or otherwise as the Court shall determine, shall retire in each year; provided that if a representative of a Faculty ceases to be a member of that Faculty he shall cease to be a member of the Court. The representatives of Convocation shall hold office for two years from the date of appointment. Members mentioned in clause

(*a*) 5 and 6, shall hold office for two years from the respective dates of appointment. Members mentioned in clause (*a*) 7 shall hold office for five years from the respective dates of appointment, but of the members appointed by co-optation two, to be selected by lot or otherwise as the Court shall determine, shall retire each year.

All retiring members shall be eligible for re-appointment or re-election.

Appointees or representatives need not be members of the bodies appointing.

Any member of the Court may resign such membership at any time by letter addressed to the Registrar of the University.

Any casual vacancy occurring by resignation, incapacity, or death among the appointed or representative or co-opted members shall be filled up as soon as convenient by the person or body which appointed or co-opted the member whose place has become vacant. If such member was a member for a term of years the person appointed to supply his place shall be a member of the Court for the remainder of that term.

Fifteen members of the Court shall form a quorum, and, until the above-mentioned representative members have been appointed, the other members shall form the Court.

II.

The University Council

(*a*) The University Council (hereinafter called the Council) shall consist of the following persons, namely:—

The Chancellor, the Pro-Chancellor, the Vice-Chancellor, and the Treasurer.

Two representatives of the West Riding County Council.

One representative of the North Riding County Council.

One representative of the East Riding County Council.

Two representatives of the County Borough of Leeds.

One representative of the County Borough of Bradford.

One representative of the Council of the County Borough of York.

One representative of the Council of the County Borough of Hull.

One representative of the Council of the County Borough of Halifax.

One representative of the Council of the County Borough of Huddersfield.

One representative of the Council of the County Borough of Middlesbrough.

One from the Council of each of such other Yorkshire County Boroughs already existing or to be created in future as may be approved by the Court.

Two representatives of the Clothworkers' Company of London.

Five representatives to be elected by the Faculties of the University.

One member to be elected by Convocation.

One member to be nominated by the Crown.

Twelve members to be elected by the Court. Provided nevertheless, that at first such of the present members of the Council of the Yorkshire College as have been elected thereto by the Board of Governors of the College shall take the place of the said twelve members; and of such members of the Council of the Yorkshire College four, to be selected by lot or otherwise as the Council may determine, shall retire every three years until the number of such members has been reduced to twelve or less; and on the number of such members being reduced to less than twelve the Court shall have power to appoint any other person or persons to make up such number to twelve. Provided also that, as from the 1st May, 1920, the number of members to be elected by the Court shall be increased from twelve to sixteen. Provided also that a person of the age of 71 years or over shall not be eligible for election or re-election by the Court as a member of the Council unless he was a member on the 21st April, 1920. So soon as the number of such members shall have been reduced to twelve or less, the members of the

Council of the Yorkshire College who at that time remain members of the Council, together with such appointee or appointees of the Court as aforesaid, shall hold office for the period and be subject to the provisions as to retirement hereinafter mentioned, as if all such members and appointees as aforesaid had been elected members of the Council by the Court on the day when such number as aforesaid was reduced to twelve or less.

The members of the Teaching Staff who are members of the Council, however elected (including the Vice-Chancellor), shall not exceed one fifth of the whole Council.

(*b*) The periods during which the members of the Council respectively shall hold office shall be as follows:

The Chancellor, the Pro-Chancellor, the Vice-Chancellor and the Treasurer shall hold office for the time during which they occupy the positions named respectively.

All other members of the Council shall hold office for one year from the date of appointment, except as otherwise hereinbefore provided and except members elected by the Court, who shall hold office for three years (four, to be selected by lot or otherwise as the Council shall determine, retiring each year), and except the person appointed by the Crown, who shall hold office for five years. Provided that the term of office of members newly elected by the Court in or after the year 1920 (other than those appointed to fill casual vacancies) shall be four years, and that the term of office of retiring members re-elected by the Court after the year 1920 shall also be four years.

Subject to the proviso contained in the foregoing Sub-section (*a*) as to an age-limit for the election or re-election of members by the Court, all retiring members shall be eligible for re-appointment or re-election.

Appointees or representatives need not be members of the bodies appointing.

Any member of the Council may resign such membership at any time by letter addressed to the Registrar of the University.

Any casual vacancy occurring by resignation, incapacity, or death among the appointed or representative members shall be filled up as soon as convenient by the person or body which appointed the member whose place has become vacant. If such member was a member for a term of years the person appointed to supply his place shall be a member of the Council for the remainder of that term.

Seven members of the Council shall form a quorum, and until the above named representative members have been elected, the other members shall form the Council.

III.

Powers of the Council

Subject to the provisions made in the Charter and Statutes, the Council shall have the following powers:

To nominate the Pro-Chancellor and the Vice-Chancellor.

To elect Professors of the University, and either to elect or to delegate to the Senate the election of any academic officers of the University other than Professors.

To elect a Registrar and other officers of the University for such periods and under such conditions as may be determined by the Council.

To institute Professorships, Assistant Professorships, Readerships, Lectureships, or other teaching offices, after giving the Senate the opportunity of reporting thereon.

To abolish or hold in abeyance, after giving the Senate the opportunity of reporting thereon, any Professorship, Readership, or other academic office in the University.

To draft Statutes and Ordinances as and when it sees fit and submit the same to the Court. Provided that any Statute or Ordinance relating to courses of study shall not be adopted without giving the Senate the opportunity of reporting thereon.

To make regulations for any purposes for which regulations are or may be authorised to be made.

To govern, manage, and regulate the finances, accounts, investments, property, business, and all affairs whatsoever of the University, and for that purpose to appoint Bankers, Deputy-Treasurers, and any other officers or agents whom it may seem expedient to appoint.

To invest any moneys belonging to the University, including any unapplied income in such stocks, funds, fully paid shares or securities as the Council shall from time to time think fit, whether authorised by the general law for the investment of trust moneys or not, and whether within the United Kingdom of Great Britain and Ireland or not or in the purchase of freehold, copyhold, or leasehold hereditaments in the United Kingdom, including rent charges, or chief rents, with the like power of varying such investments from time to time by sale and re-investment or otherwise.

To sell, buy, exchange, lease, and accept leases of real and personal property on behalf of the University.

To provide the buildings, premises, furniture, and apparatus and other means needed for carrying on the work of the University.

To enter into, vary, carry out, and cancel contracts on behalf of the University. Any contract entered into on behalf of the University may be made in any manner authorised by law for the making of contracts by or on behalf of Companies incorporated under the Companies' Acts, 1862 and 1867.

IV.

Powers of the Vice-Chancellor

The Vice-Chancellor shall have the sole power of suspending or dismissing any offending student, subject to the right of appeal to the Visitor. He shall exercise general supervision over the educational arrangements of the University, regulate the admission of students, and maintain the discipline of the University, for which he shall be responsible to the Council.

V.

The Senate

The Senate of the University shall consist of the Vice-Chancellor and the Professors of the University, and of such other members of the Boards of Faculties hereinafter mentioned as the Court may, after report from the Senate, appoint, provided that the number of such other members appointed shall not exceed three, and that they shall hold office for such term only as the Court shall determine.

The Professors of the University within the meaning of the Charter shall include those persons who shall be appointed by the Council as such, and also the Professors of the Yorkshire College at the date of the Charter, who shall hold their Professorships upon the same conditions as those upon which they held them at the date of the Charter, until such conditions shall be modified or altered by the Council.

The Senate shall have the following powers:

To make and submit to the Council, after report from the Board or Boards of Faculties concerned, all regulations for giving effect to the Statutes and Ordinances of the University relating to courses of study.

To appoint Internal Examiners after report from the Board or Boards of Faculties concerned.

To recommend External Examiners for appointment by the Council after report from the Board or Boards of Faculties concerned.

To report to the Council, after report from the Board or Boards of Faculties concerned, on all Ordinances relating to courses of study.

To report to the Council on Statutes or Ordinances or proposed changes of Statutes or Ordinances.

To report on any matter referred to or delegated to them by the Court or the Council.

To discuss and declare an opinion on any matter whatsoever relating to the University.

To appoint on delegation of the Council, Readers, Lecturers, and other academic officers of the University not being Professors.

To formulate and modify or revise, subject to the control of the Council, schemes for the organisation of Faculties of Arts, Science, Medicine, Technology, and any other Faculties of the University, and to assign to such Faculties their respective subjects; also to report to the Council as to the expediency of the establishment at any time of other Faculties, or as to the expediency of the abolition, combination, or subdivision of any Faculties.

To fix, subject to any conditions made by the Founders which are accepted by the Court, the times and mode and conditions of competition for Fellowships, Scholarships, and other Prizes, and to award the same.

To do such other acts and things as the Court shall authorise.

No new Degree shall be established or other distinction of Honour or Merit adopted until the Senate has had an opportunity of reporting thereon.

VI.

Faculties

Each of the Faculties shall respectively consist of:—

1. The Professors assigned thereto by the Council.

2. Such Lecturers, Assistant Lecturers, and other teachers of the University as may be appointed to the Faculty by the Council on the recommendation of the Senate.

3. Such other persons as may be appointed by the Council of the University on the recommendation of the Senate.

Each of the Faculties shall have the power of electing a representative or representatives on the Court and Council of the University, but in the event of the number of Faculties being so increased that the members of the staff elected by

them would exceed the proportion limited as hereinbefore expressed, the Council shall decide by what Faculties or combinations of Faculties the election shall be made.

Each Faculty shall have the power of presenting recommendations and reports to the Senate upon all matters connected with the subjects of study embraced by the Faculty.

The Faculty of Arts shall, until otherwise provided by Statute, include Economics and Law.

The Faculty of Technology shall, until otherwise provided by Statute, include Agriculture, Dyeing, Engineering, Leather Industries, Mining, and Textile Industries.

The Vice-Chancellor shall be a member of each of the several Faculties and Boards of Faculties.

There shall be a Dean of each Faculty elected by that Faculty, or otherwise as the Council shall direct. He shall preside at the meetings of the Faculty and hold office during such period and with such powers as shall be determined by Statute or Ordinance, and shall be eligible for re-election.

VII.

Powers of the Boards of Faculties

The Boards of Faculties respectively shall have the powers following :—

To regulate, subject to the control of the Senate, the teaching and study of the subjects assigned to the Board in question.

To make recommendations as to the appointment of Examiners.

To report to the Senate on Ordinances and Regulations dealing with courses of study for degrees and other distinctions, and on any questions relating to the work of the respective Faculties.

To deal with any matter referred or delegated to them by the Senate.

VIII.

Convocation

A Register shall be kept containing the names of all persons who are members of Convocation according to the provision made by the Charter.

The Register shall be conclusive evidence that any person whose name appears therein at the time of claiming to vote in Convocation is entitled to vote, and that any person whose name does not appear therein is not so entitled.

A meeting of Convocation shall be summoned at least once in every year and at such other times as Convocation may by its by-laws determine.

A meeting of Convocation may be called by the direction of the Chairman, and shall also be called on the requisition in writing of at least twenty members.

IX.

Auditor

The Court shall annually appoint an Auditor, who shall be a member of the Institute of Chartered Accountants of England and Wales, or of the Incorporated Society of Accountants and Auditors, in the active practice of his profession, who shall receive such remuneration as may from time to time be determined by the Court.

Acceptance of office by an Auditor shall be deemed to carry with it an undertaking by the Auditor to the University that every certificate given by him, or passing of accounts by him, implies that he has satisfied himself by full and careful investigation (made by himself or agents, for whom he undertakes to be responsible) by every reasonable means within his power, and after the exercise of due professional skill, that the statements in the certificate are true and accurate, and that any accounts certified or passed are complete, true, and accurate.

X.

Committee for considering objections by the Universities at Manchester and Liverpool

The Joint Committee to be constituted pursuant to Clause XI of the Charter for considering objections made by the Victoria University of Manchester and the University of Liverpool to proposed Statutes and Ordinances, shall consist of nine members, three to be appointed by each University.

The Joint Committee shall be convened by the Registrar of the Victoria University of Manchester.

XI.

Committee for considering objections to proposed Statutes and Ordinances of the University of Sheffield

Any Committee to be constituted for considering objections made by any of the Universities in Manchester, Liverpool and Leeds to proposed Statutes and Ordinances of the University of Sheffield shall consist of twelve members, three to be appointed by each of the said Universities.

Such Committee shall be convened by the Registrar of the Victoria University of Manchester.

XII.

Regulation and conduct of the Matriculation examination

The Matriculation examination which must be passed by students before entering on the degree courses in the University shall be regulated and conducted by a Joint Board constituted as hereinafter prescribed.

The Joint Board shall determine the conditions and subjects of the examination, together with the exemptions and conditions of exemption from it, provided that the Senate of each University shall have power to exempt from the Matriculation examination such persons as it may judge suitably qualified by higher study or research to enter upon a course for a degree.

The Board shall, with the consent of the five Universities concerned, have power to prescribe particular subjects to be passed in the examination as a condition of admission into particular Faculties, provided that at any time after any regulation to that end shall have been prescribed by the Board any of the five Universities shall have power to cause it to cease to be operative, on the expiration of two years from the date of notice to be given to the Board, so far as concerns such University.

The regulations of the Board regarding the Matriculation examination shall not affect the power of each University (*a*) to require a standard higher than that of the Matriculation examination in any subject or subjects as a condition of admission into any Faculty or School; (*b*) to require candidates as a condition of admission into its several Faculties and Honours Schools and courses leading to a

particular degree to have passed in such of the optional subjects of the Matriculation examination as the University may determine; (*c*) to admit unmatriculated students to such classes as it may think fit; or (*d*) to determine how far the examinations recognised by the Joint Board as exempting from the Matriculation examination shall be accepted by the University concerned as satisfying the requirements made by the University under sections (*a*) and (*b*) of this clause.

The Joint Board shall consist of twenty members, four to be elected annually by each of the Universities in Manchester, Liverpool, Leeds, Sheffield, and Birmingham, with power to co-opt persons of educational experience to the number of six.

When any change in the regulations regarding the Matriculation examination is carried in the Joint Board by a majority consisting of less than two-thirds of the members who are present, the question at issue shall, if any four members present and voting so require, be referred to each of the five Universities, who shall each then nominate two additional members of the Board for the purpose of dealing with such question. The decision of the Board so constituted shall be final.

The Board shall send annual reports to each University.

The five Universities shall contribute to the expenses of the Joint Board in such proportions as may be hereafter determined.

XIII.

Periods of Study before Graduation

The period of study necessary to qualify any student for graduation shall not be less than three years, all of which shall be subsequent to the date at which the student passes the Matriculation examination

This Clause shall come into operation not later than October 1st, 1906.

In the case of the Yorkshire College, and in the event of any other College or Institution, or any branch or department thereof, becoming affiliated to the University within six months from the date of the Charter, the University may

accept attendance which commenced on or subsequent to the First day of October, 1903, at courses of study in the Yorkshire College or in such other College or Institution in place of attendance at courses of study in the University for the same period.

XIV.

Definitions

In these Statutes—

"Statutes" means the Statutes of the University.

"Ordinances" means Ordinances made pursuant to the Charter or Statutes.

"Regulations" means Regulations made pursuant to the Charter or Statutes.

In witness whereof We have caused these Our Letters to be made Patent.

Witness Ourself at Westminster the twenty-fifth of April in the Fourth Year of Our Reign.

By Warrant under the King's Sign Manual.

MUIR MACKENZIE.

ORDINANCES

made by the Court in accordance with the provisions of Clauses X and XI of the Charter

I. AFFILIATED COLLEGES AND INSTITUTIONS

1. Colleges and Institutions, or parts thereof, may be admitted to affiliation after report by the Senate. The Senate, before recommending the affiliation of any such College or Institution, shall satisfy itself:

(*a*) That the College or Institution has attained a satisfactory standard of educational efficiency for the purposes for which affiliation is sought, and is established on a permanent basis.

(*b*) That the majority of regular students in such College or Institution are of the age of sixteen years.

2. In the case of any affiliated College or Institution, or of any part of such College or Institution recognised for the purposes of this clause, students who have attained the age of seventeen years, and have passed the Matriculation examination of the University, or are exempt therefrom, shall be allowed to attend at any such College or Institution a part or the whole of a course of study, approved by the Senate of the University as exempting from such courses of study in the University as the Council may approve, provided that in no case shall the University confer a degree upon any person who has not attended in the University during one year at least the courses of study which have been recognised for such degree, and that in every case the period of attendance in the University of a candidate for an Honours degree shall be not less than two years.

3. The Council shall, after a report from the Senate, determine the privileges to which the students of any such affiliated College or Institution shall be admitted.

4. Any College or Institution desiring to avail itself of the foregoing Ordinance shall

(*a*) Make provision for the representation of the University on the body which determines the annual plan of study, in so far as it concerns the courses submitted for the approval of the University;

(*b*) Submit for the approval of the Senate of the University day courses of study, whose duration, scope, and standard shall be equivalent to the corresponding courses of the University.

5. The University shall inspect from time to time the buildings and equipment for teaching provided in any such College or Institution, and shall satisfy itself as to the qualifications of any teacher therein appointed to conduct the courses offered in place of University courses.

6. The Council, after a report from the Senate, shall be entitled at any time to withdraw any privileges which may have been granted to any College or Institution under these Ordinances, and to remove the said College or Institution from affiliation.

Affiliated Colleges

The College of the Resurrection, Mirfield (May 18, 1904). By resolution of the Council the students of this College are exempt from attendance at the University upon the first of the three years of study required for the B.A. Ordinary or Honours degree.

The Technical College, Huddersfield. (March 2, 1906). By resolution of the Council, attendance upon certain classes in this College is recognised as exempting from attendance upon classes in the University in the first year of the courses required for the degrees of B.A., B.Sc. (including Engineering), and M.B. and Ch.B.

Rawdon College, Rawdon. (May 17, 1916). By resolution of the Council (October 1, 1915), attendance upon certain courses of study in this College is recognised as exempting from attendance upon courses in the University in the first of the three years of study required for the B.A. (Ordinary and Honours Degree).

Diocesan Training College, York. (June 15, 1921). Attendance upon certain courses of study of this College is recognised as exempting from Intermediate (or Introductory) courses in the University in the first of the years of study for the B.A. and B.Sc. (Ordinary and Honours) degrees.

LEEDS TECHNICAL COLLEGE—PRINTING DEPARTMENT. (December 20th, 1922). Affiliation granted with a view to the recognition of classes at the Printing Department as part of the course for the degree of B.Com.

II. DEGREES IN ARTS

III. DEGREES IN COMMERCE

IV. DEGREES IN LAW

V. DEGREES IN SCIENCE

VI. DEGREES IN MEDICINE AND SURGERY

VII. DEGREES IN DENTAL SURGERY

The Ordinances governing the above-mentioned degrees —Clauses II to VII—are set out in full in subsequent pages of the Calendar.

VIII. RECOGNITION OF VICTORIA UNIVERSITY COURSES AND EXAMINATIONS

(*a*) The Senate, or any Committee of the Senate appointed for that purpose, is hereby empowered to recognise courses of study pursued and examinations passed by students of the Yorkshire College or of the University of Leeds in the Victoria University or the Victoria University of Manchester prior to January 1, 1905, as equivalent to corresponding courses and examinations in the University of Leeds.

(*b*) The Senate, or any Committee of the Senate appointed for that purpose, is hereby also empowered to make such concessions in exemption from examinations and from attendance on courses of study, as may be required to place a past or present student of the University or of the Yorkshire College, who has been admitted thereto before 1st October, 1904, in as favourable a position in the above respects as if he had become or had continued to be a student of the Victoria University or of the Victoria University of Manchester.

(*c*) A student of the Yorkshire College, who before December 31, 1904, has passed a Final examination of the Victoria University or of the Victoria University of Manchester, for the Bachelor's degree in the Faculty of

Arts, Science, Law, or Medicine shall be entitled to be admitted to the Bachelor's degree of the University of Leeds; and if he has been admitted to the Bachelor's degree of the Victoria University or the Victoria University of Manchester he shall be entitled to proceed to the higher degrees of the University of Leeds on the same conditions as if he had graduated in this University.

IX. RECOGNITION OF COURSES AND EXAMINATIONS OF OTHER RESIDENTIAL UNIVERSITIES

(*a*) Subject to the provisions of the Charter and Statutes, the Senate, or any Committee of the Senate appointed for that purpose, is hereby empowered to allow members of any University, in which residence is required as a condition of graduation, or members of any University who have attended courses of study at some College or other place of learning which is affiliated or associated with such University, after Matriculation at the University of Leeds, and presentation of certificates of conduct satisfactory to the Senate or Committee, to count such periods of residence passed by them at such other University as equivalent to such periods of residence at the University of Leeds as the Senate or Committee may determine, provided that no degree of this University shall be conferred on any such person unless he shall have pursued an approved course of study in this University extending over at least two years, and shall have passed the Final examination for such degree.

(*b*) Undergraduates of other Universities who have been admitted, under this Ordinance, as members of this University may be allowed to count examinations passed by them at such other Universities as equivalent to such examinations or portions of examinations other than the Final examination of this University as the Senate, or any Committee of the Senate appointed for that purpose, may from time to time determine.

(*c*) Undergraduates of the University of Leeds who are pursuing an approved course of instruction in any of the Honours Schools of the University may be allowed to count

such periods of residence passed by them at other Universities during their undergraduate course as equivalent to such periods of residence at the University of Leeds as the Senate, or any Committee appointed for that purpose, may from time to time determine, provided that no degree of this University shall be conferred upon any such undergraduate unless he shall have pursued an approved course of study in this University extending over at least two years, and shall have passed the Honours examination for such degree.

X. CONFERMENT OF DEGREES UPON FORMER STUDENTS OF THE YORKSHIRE COLLEGE

1. As to conferment of *ad eundem* degrees on students who have attended full courses of study at the Yorkshire College and have graduated at various Universities, but who have not been admitted to the College Associateship:

Graduates of the Victoria University shall be offered the same degrees in the University of Leeds as those which they have received from the Victoria University.

Graduates in Medicine of other Universities shall be admissible on application to the M.B. degree of the University of Leeds.

Applications from non-medical graduates of other Universities who have been students of the Yorkshire College shall be considered on their merits.

In every case of admission under the above conditions a fee of 10s. 6d. shall be charged.

2. As to Associates of the Yorkshire College:

Graduates of the Victoria University shall be offered the same degrees in the University of Leeds as those which they have received from the Victoria University.

Graduates of other Universities shall be offered the degree of Bachelor in this University in the Faculties in which they graduated elsewhere.

All Associates of the Yorkshire College admitted to degrees of the University of Leeds under these conditions shall be admitted without fee.

3. All persons admitted to degrees of the University of Leeds under the foregoing conditions shall be admissible as life members of the Convocation of the University.

4. No graduate admitted under the above conditions to a lower degree shall be precluded from proceeding in the University of Leeds to a higher degree in his particular faculty.

XI. STANDING OF CERTAIN GRADUATES IN PROCEEDING TO HIGHER DEGREES

1. Graduates of other Universities who have been admitted to degrees of equal or similar rank in this University shall be allowed, in proceeding to higher degrees, to count their standing as graduates from the date of their graduation in such other Universities.

2. Associates by examination of the Yorkshire College who have been admitted to degrees in this University shall be allowed, in proceeding to higher degrees, to count their standing as graduates from the date of admission to the Associateship.

XII. AWARD OF DEGREES BY SENATE

The Senate is hereby empowered to award degrees other than (1) *ad eundem* degrees, (2) degrees conferred on officers of the University, and (3) honorary degrees, in accordance with the provision in that behalf contained in Statute I. b.

XIII. AWARD OF DEGREES BY COUNCIL

1. The Council is hereby authorised to grant to any Professor of the University, or to any Lecturer who is the head of any department in the University, a degree not higher than that of Master in the Faculty in which he has graduated, or, in the case of a Professor or Lecturer holding no degree, such degree, not higher than that of Master, as the Council may determine.

2. The Council is authorised, if it thinks fit, to grant to any other officer of the University such degree, not higher than that of Master, as it may determine, but no such degree shall be conferred until a report thereon has been received from the Senate.

3. No Medical degree shall be conferred under either of the above provisions (1) and (2) upon a person who does not already possess a registrable medical qualification; and no person, in virtue of a degree conferred under either of these provisions, shall be allowed to proceed to a degree higher than that to which he has been admitted.

XIV. JOINT MATRICULATION BOARD AND JOINT COMMITTEES

The Council is hereby empowered to elect annually, or as may be required:

1. Five members of the Joint Matriculation Board of the Universities of Manchester, Liverpool, Leeds, and Sheffield.
2. Three members of a Joint Committee of the Universities of Manchester, Liverpool, and Leeds, to consider objections which may be raised by one or more of those Universities, to Statutes or Ordinances proposed by any of them, or by the University of Sheffield.

XV. DIPLOMAS

Diplomas shall be granted by the University, in such subjects as the Council may from time to time determine, to students who pursue the courses of study and pass the examinations prescribed.

The Council is empowered to make from time to time Regulations under which such diplomas shall be awarded.

The award of diplomas under the provisions of this Ordinance is delegated to the Senate.

XVI. REGULATIONS FOR PROCEDURE

The Council, Senate, Faculties, Boards of Faculties, and Convocation are hereby empowered to enact Regulations for the conduct of their business and that of their Committees, subject to the provisions of the Charter and Statutes.

XVII. FEES

The Council is hereby empowered, after giving the Senate an opportunity of reporting thereon, to appoint such Registration, Examination, Class, Laboratory, and other

fees to be paid by students and others as the Council may from time to time determine, and to increase, reduce, or abolish the same.

XVIII. REGULATIONS FOR EXAMINATIONS

Subject to the provisions of the Charter, Statutes, and Ordinances of the University, the Council is hereby empowered to adopt regulations, or to delegate to the Senate the making of regulations, as to the subjects, times, modes, and standards of the examinations.

XIX. ADMISSION TO EXAMINATIONS

Before admission to any examination candidates must pay the examination fee. The admission of all students to the examinations of the University shall be subject to the approval of the Vice-Chancellor.

XX. EXTERNAL EXAMINERS

The Council is hereby empowered to appoint, on the recommendation of the Senate, such External Examiners on such conditions as to tenure of office, remuneration, and otherwise as it may from time to time determine.

XXI. PRIZES

The Council is hereby empowered, upon report from the Senate, to institute such class and other prizes as it may from time to time determine, and to vary their value and to abolish the same.

XXII. EXAMINATION OF SCHOOLS, AND EXTENSION LECTURES

The Senate is hereby empowered to examine and inspect schools and other educational institutions, and to provide lectures and instruction for persons not members of the University under such Regulations as the Council may from time to time adopt. The Senate is empowered to award certificates in connection with lectures and instruction for persons not members of the University.

XXIII. TENURE OF OFFICE OF DEANS OF FACULTIES

Deans of Faculties shall be elected for periods not exceeding two years at a time.

XXIV. TENURE OF OFFICE OF ADDITIONAL MEMBERS OF THE SENATE

Such additional Members of the Senate of the University as may be appointed by the Court under Statute V. shall be appointed for one year only, but shall be re-eligible at the end of each year.

XXV. REGISTER OF CONVOCATION

1. The Chancellor, the Vice-Chancellor, the Pro-Vice-Chancellor, the members of the Senate and the Lecturers shall be registered as members of Convocation without payment of any fee, and their names shall be continued upon the Register so long as they retain their qualifying offices.

2. Graduates who have been admitted to degrees of this University by reason of their having pursued courses of study in the Yorkshire College, and having been admitted to degrees of other Universities or to the Associateship of the Yorkshire College, shall be entitled to be registered immediately as life members of Convocation without payment of any further fee.

3. All persons admitted to degrees of this University prior to June 1st, 1926, shall be entitled to be registered as members of Convocation upon payment of a fee of 10s. 6d.

4. Every person admitted to a degree (other than an Honorary degree) of this University on or after June 1st, 1926, shall, unless already a member of Convocation, be required to pay prior to graduation, a fee of £1, which fee shall entitle the graduate to be registered as a member of Convocation.

5. All Honorary graduates shall be entitled to be registered as members of Convocation on payment of a fee of 10s. 6d.

XXVI. COMMUNICATIONS FROM COUNCIL TO CONVOCATION

Convocation shall receive from the Council the draft of any Ordinance proposed which, in the opinion of the Council, would affect the status, position, rights, or privileges of Convocation or the members thereof, and further Convocation, if it so desires, may record its

opinion on any draft Ordinance so submitted within one month from the date at which it has been received, and such opinion when recorded shall be taken into consideration by the Council.

XXVII. WAIVING OF PRESENT REQUIREMENTS AS TO CERTAIN UNIVERSITY EXAMINATIONS IN THE CASE OF APPROVED STUDENTS ON NATIONAL SERVICE

This clause lapsed on the expiration of twelve months from the end of the war.

XXVIII. AEGROTAT DEGREE

If a candidate be prevented by illness or other sufficient cause from attending the whole or part of an examination for a degree, or from presenting any dissertation or thesis which may be required in connexion with such examination, the Senate, upon report from the Internal and External examiners concerned and upon such further evidence as they shall think fit, may if satisfied, thereupon treat him as a successful candidate in such examination, or impose such conditions as they think fit the fulfilment of which shall be precedent to such treatment; provided always that a candidate in an examination for a degree with Honours shall not be placed in a class, and provided also that nothing in this Ordinance shall apply to the degrees of Medicine and Dental Surgery.

The Senate, on the recommendation of the Board concerned may allow a student whose course of study has been interrupted by illness or other sufficient cause to defer presenting himself for the examination in any Honours School for such period as is thought fit

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Lecturer in Electrical Engineering: W. E. FRENCH, M.I.E.E., A.M.Inst.C.E. 32, St. Michael's Terrace, Headingley.

Lecturer in Civil and Mechanical Engineering: T. M. NAYLOR, M.Sc., *Manchester*, A.M.Inst.C.E., A.M.I.Mech.E., 40, Stainbeck Street, Meanwood.

Assistant Lecturers in Civil and Mechanical Engineering: S. G. RICHARDSON, M.Sc., *Leeds*, 62, Estcourt Avenue, Headingley.
W. DAVIES, B.Sc., *Wales*, 70, Rainville Crescent, Bramley, Leeds.
R. H. EVANS, M.Sc., *Manchester*, 12, Churchill Gardens, Blackman Lane.

Assistant Lecturer in Electrical Engineering: W. S. STUART, M.Eng., *Liverpool*, A.M.I.E.E., 46, Hamilton Avenue, Chapeltown Road.

Demonstrators in Mechanical Engineering: J. R. BROWN.
E. E. CATON.

Mechanics :	A. FIRTH.
	J. H. MARVELL.
	T. I. COLEMAN.
Mechanics : (*Electrical*)	J. W. HARGREAVE.
	H. ELLIS.
Clerk :	J. THOMPSON, The University, Leeds.

Mining

(*Assisted by the Drapers' Company of the City of London, and the West Yorkshire Coal Owners' Association*).

Professor :	J. A. S. RITSON, D.S.O., M.C., T.D., B.Sc., *Durham*, 11, North Grange Road, Headingley.
Lecturer in Mine Surveying :	T. BROWN, M.Sc., *Leeds*, A.M.I.C.E., M.I.Min.E., 14, Norwood Grove.
Assistant Lecturer :	J. N. WILLIAMSON, Ph.D., B.Sc., *Edinburgh*, 5, Moor Park Villas.
Temporary Research Assistants :	H. STAFFORD, B.Sc., *Leeds*.
	H. A. FELLS, Ph.D., *London*.

Coal Gas and Fuel Industries with Metallurgy

(*The Livesey Professorship was endowed in* 1908 *by public subscription in memory of the late Sir George Livesey*).

Livesey Professor of Coal Gas and Fuel Industries :	JOHN WILLIAM COBB, C.B.E., B.Sc., *Leeds* and *London*, F.I.C., 7, Ashwood Villas, Headingley.
Lecturer in Gas Chemistry :	H. J. HODSMAN, M.B.E., M.Sc., *Leeds*, F.I.C., 2, Norwood Grove, Victoria Road, Headingley.
Assistant Lecturer in Metallurgy :	P. F. SUMMERS, A.R.S.M., 29, Moor Drive, Headingley.
Research Assistant and Demonstrator in Refractory Materials:	J. A. SUGDEN, Ph.D., *Leeds*, 6, Glebe Terrace, Far Headingley.
Research Chemists :	J. W. WOOD, M.Sc.Tech., *Manchester*, A.I.C., 23, Chestnut Avenue, Headingley.
	F. J. DENT, B.Sc., Ph.D., *Leeds*, 142, Stainbeck Lane.
	G. B. HOWARTH, M.Sc., *Leeds*, A.I.C., 2, Leopold Mount, Chapeltown Road.

A. C. MONKHOUSE, Ph.D., B.Sc., *Leeds*, A.I.C., "Grasmere," Station Road, Hinckley, Leicestershire.
W. H. BLACKBURN, Ph.D., *Leeds*.
A. R. KELLY, B.Sc., *Leeds*.
W. H. HOFFERT, M.A., B.Sc., *Oxford*, A.I.C., 39, The Drive, Adel.
G. CLAXTON, M.Sc., *Leeds*, 9, Glebe Terrace, Weetwood Lane.

Clerk : Miss P. M. C. WILSON, 45, Mayville Avenue, Cardigan Road.

Mechanics : A. W. ROSS.
H. HORSFALL.

Laboratory Steward : G. WADSWORTH.

Textile Industries

(*Endowed by the Clothworkers' Company of the City of London*).

Professor : ALDRED F. BARKER, M.Sc., *Leeds*, F.T.I., Shireoak Dene, Shireoak Road, Headingley.

Lecturer in Textile Industries : Vacant.

Lecturer in Yarn Manufacture : THOMAS HOLLIS, 155, Hyde Park Road.

Lecturer in Cloth Structure and Weaving Mechanism : ALEXANDER YEWDALL, Jesmond, Moor Drive, Headingley.

Lecturer in Textile Testing : FOSTER PICKLES, 83, Grange Road, Allerton, Bradford.

Lecturer in Textile Chemistry : J. B. SPEAKMAN, M.Sc., *Manchester*, 8, St. Mark's Terrace, Woodhouse Lane.

Lecturer in Textile Physics : W. T. ASTBURY, B.A., *Cambridge*, 189, Kirkstall Lane, Headingley.

Assistants in Textile Research : H. J. WOODS, B.Sc., *Oxford*, 12, Clarendon Place.
One vacancy.

Assistant Lecturer in Textile Design : WILFRID A. FARLEY, 4, Sholebroke Terrace, Chapeltown.

Assistant Lecturer in Cloth Analysis : GEORGE PRIESTLEY, 23, Regent Park Terrace, Hyde Park.

Museum Assistant and Assistant Designer for Figured Fabrics : Miss C. BENTON, 10, Richmond Road, Headingley.

Overlookers—

Weaving :	G. APPLEYARD.
Weaving (Asst.) :	E. BOLTON.
Weaving (Pattern) :	H. P. HIGGINS.
Cloth Finishing :	H. WOOD.
Woollen Spinning :	J. PONTEFRACT.
Worsted Spinning :	A. ASHWORTH.
Continental :	Vacant.
Instrument Maker and Draughtsman :	C. C. BINKS.

Director of Research Students at Torridon : S. G. BARKER, Ph.D., *Berlin* (Director of the British Research Association for the Woollen and Worsted Industries).

Director of Silk Research Students : W. S. DENHAM, D.Sc., F.I.C. (Director of Research for the British Silk Research Association).

Colour Chemistry and Dyeing

(*Endowed by the Clothworkers' Company of the City of London*).

Professor :	FREDERICK M. ROWE, D.Sc., *Leeds*, F.I.C., "Latchford," 185, Otley Road, West Park.
Lecturer in Colour Chemistry :	R. B. FORSTER, A.R.C.S.I., Ph.D., *Berlin*, D.Sc., *National Univ. of Ireland*, F.I.C., 9, Churchwood Avenue, Headingley.
Lecturer in Dyeing :	PERCIVAL E. KING, A.I.C., F.T.I., Crescent House, Hillary Place, Leeds.
Assistant Lecturer :	E. J. CROSS, B.Sc., *London*, The University, Leeds.
Research Assistant :	Vacant.
Research Assistant in Dyeing :	J. M. LANE, B.Sc., *Leeds*.
Museum Curator :	Miss O. M. WILCHER, Elladene, Kirkstall Lane.
Mechanic :	E. H. J. CLISSOLD.

Leather Industries

(*Assisted by the Skinners' Company of the City of London and by Members of the Leather Trades*).

Professor :	DOUGLAS McCANDLISH, M.Sc., *Leeds*, Portland Gate House, Leeds.
Lecturers :	W. R. ATKIN, M.Sc., *Leeds*, "Ashfield," Heckmondwike.
	F. C. THOMPSON, M.Sc., *Leeds*, 16, Springfield Mount.

Research Assistant : F. SINGLETON, B.Sc., *London*, A.I.C., 29, St. Michael's Road, Headingley.
Special Assistant : Vacant.
Workman Assistant : J. S. RUSHWORTH.

Procter International Research Laboratory

(*Endowed in* 1914 *by public subscription to commemorate the services rendered by the late Professor H. R. Procter to Science and the Leather Industry*).

Honorary Director : Vacant.
Research Assistant : F. C. THOMPSON, M.Sc., *Leeds*, 16, Springfield Mount.

Agriculture

Professor and Head of Department : ROBERT S. SETON, B.Sc., *Edinburgh*, 2, Grosvenor Terrace, Headingley.

Professor of Agricultural Chemistry : N. M. COMBER, D.Sc., *London*, A.R.C.S., F.I.C., "Broomfield," Clarence Road, Horsforth.

Lecturers in Agriculture : G. C. A. ROBERTSON, M.C., M.A., B.Sc., *Aberdeen*, 33, Kensington Terrace, Hyde Park.
One vacancy.

Assistant Lecturers and Demonstrators in Agriculture : W. B. NICOLL, B.Sc., *Edinburgh*, 7, Montpelier, Hyde Park.
T. L. BYWATER, B.Sc., *Wales*, 67, Cardigan Lane.

District Lecturers in Agriculture : J. STRACHAN, M.A., B.Sc., *Aberdeen*, N.D.A., 6, Barrow Lane, Hessle, near Hull.
H. THOMPSON, B.Sc., *Leeds* and *Victoria*, Carleton, near Pontefract.
J. ROBB, B.Sc., *Aberdeen*, Loftburn, Carleton, Skipton.
D. H. FINDLAY, B.Sc., *Glasgow*, N.D.A., N.D.D., Malton House, Slingsby, York.
W. S. GIBSON, B.Sc., *Leeds*, The Poplars, Harewood Lane, Northallerton.
W. E. GELLING, B.Sc., *Leeds*, N.D.A., 11, Fairfax Avenue, Selby.

Lecturer in Dairy Husbandry : J. McGREGOR, B.Sc., *Glasgow*, N.D.A., N.D.D., 9, Hyde Park Terrace.

Assistant Lecturers in Dairy Husbandry : A. MURCHIE, B.Sc., *Glasgow*, N.D.A., N.D.D., 218, Cardigan Lane, Headingley
JOHN GLEN, B.Sc., *Glasgow*, N.D.A., N.D.D., 7, Hyde Park Terrace.

Instructress in Dairy Work : Miss MAY EVELYN, N.D.D., The University, Leeds.

Assistant Instructress : Miss H. CRAWFORD, N.D.D., The University, Leeds.

Lecturer in Agricultural Chemistry : Vacant.

Lecturer in Agricultural Chemistry and Advisory Chemist : H. TREFOR JONES, M.Sc., *Wales*, A.I.C., 63, Harehills Road.

Assistant Lecturers in Agricultural Chemistry : J. S. WILLCOX, B.Sc., *London*, A.I.C., 20, Lucas Place, Delph Lane.
C. E. MARSHALL, M.Sc., Ph.D., *Manchester*, 45, Hartley Avenue, Hyde Park.

Assistant Lecturer (Agricultural Engineering) : H. PRESTON, B.Sc., *Leeds*, 43, Well House Drive, Roundhay.

Lecturer in Agricultural Botany and Advisory Mycologist : W. A. MILLARD, D.Sc., *Bristol*, "Highfield," 30, North Park Avenue, Roundhay.

Assistant Lecturers in Agricultural Botany : S. BURR, M.Sc., *Leeds*, The Bungalow, Hawksworth Road, Horsforth, Leeds.
A. POWELL JONES, M.Sc., *Wales*, Fieldhead, Shireoak Road, Headingley.
C. H. CHALMERS, B.Sc., *Edinburgh*, N.D.A., 52, Queen's Road, Hyde Park.

Demonstrators in Agricultural Botany : R. G. FERGUSON, B.Agr., *Queen's University, Belfast*, Fieldhead, Shire Oak Road, Headingley.
Miss D. M. TURNER, B.Sc., *Leeds*, Flat 2, 1, Grosvenor Road, Headingley.

Lecturer in Agricultural Zoology and Advisory Entomologist : T. H. TAYLOR, M.A., *Royal Univ. of Ireland*, 47, University Road.

Assistant Lecturer in Agricultural Zoology : L. R. JOHNSON, B.Sc., *Leeds*, Beechlands, Bishopthorpe, York.

Lecturer in Veterinary Hygiene : H. G. BOWES, F.R.C.V.S., " Sherwood," Ancaster Road, Far Headingley.

Lecturer in Agricultural Economics : A. G. RUSTON, B.A., D.Sc., *Leeds*, 37, The Drive, Adel, nr. Leeds.

Assistant Lecturer in Agricultural Economics : V. LIVERSAGE, B.Sc., *London*, M.Sc., *Wisconsin*, N.D.A., 3, Woodland Terrace, Stainbeck Lane.

Research Assistant in Agricultural Economics : D. WITNEY, B.Com., *Leeds*, 15, St. John's Terrace, Belle Vue Road.

Student Assistants in Farm Costings : H. E. NICHOLLS, B.Sc., *Leeds*, 4, Moorland Road, Hyde Park.
D. C. WITHERS, N.D.A., Laurel Bank, 6, Claremont Road, Headingley.

Lecturer and Organiser in Horticulture : A. S. GALT, " Rutherglen," Lidgett Park Road, Roundhay.

Instructors in Practical Horticulture : J. W. EVES, 14, Park Mount, Kirkstall.
W. LODGE, 7, Ebberston Terrace.
H. E. BROOKS, N.D.H., 3, Raynville Road, Armley.
F. HAWKINS, 12, Cromer Terrace, Mount Preston.

Lecturer and Demonstrator in Poultry Husbandry : C. W. GOODE, N.D.A., N.D.D., 12, Beaumont Avenue, Street Lane, Roundhay.

Assistant Lecturer in Poultry Husbandry : Miss E. G. STOWARD, N.D.P., 17, Moorland Road.

Assistant Instructress in Poultry Husbandry : Vacant.

Instructor in Farriery : Vacant.

Instructor in Bee-Keeping : W. HAMILTON, 13, Hollin Park Terrace, Roundhay.

Assistant for Administration : R. H. DRUMMOND, M.A., *Oxford*, B.Sc., *London*, "Chollacott," St. John's Avenue, Thorner.

Chief Clerk : E. W. DYSON, 5, Manor Drive, Headingley.

Assistants : Miss D. MITCHELL, 59, Upland Crescent, Harehills.
Miss N. PICKLES, Beechurst, Halton.
Miss E. GLASSFIELD, 20, Mayville Road, Cardigan Lane.
Miss M. RAYNER, 30, Sholebroke Avenue.
Miss L. H. SHARPER, Ivy Croft, Wakefield Road, Garforth, near Leeds.

Costings Clerks : Miss B. HUTCHINSON, 3, Moorland Avenue.
Miss E. C. MABBOTT, Chestnut Avenue, Cross Gates.
Miss B. BELL, 53, Mount Preston.

MEDICINE

Dean of the Faculty
Professor JAMIESON.

Academic Sub-Dean
MATTHEW J. STEWART,* M.B., Ch.B., F.R.C.P.

Clinical Sub-Dean
P. J. MOIR, M.C., M.B., Ch.B., F.R.C.S.

Anatomy

Professor : JOHN KAY JAMIESON, M.B., C.M., *Edinburgh*, School of Medicine.

Demonstrators : A. J. E. CAVE, M.B., Ch.B., *Manchester*, F.Z.S., 24, Brownberrie Avenue, Horsforth.
R. G. INKSTER, M.D., *Edinburgh*, 37, Wood Lane, Headingley.

Honorary Demonstrator : W. CUTHBERT MORTON, C.B.E., M.A., M.D., *Edinburgh*, 34, Headingley Lane.

Honorary Demonstrator in Anatomy for Dental Students : R. B. TASKER, M.C., L.D.S., 134, Albion Street.

Physiology (*See also Faculty of Science*).

Professor of Physiology : B. A. McSWINEY, B.A., Sc.D., M.B., B.Ch., *Dublin*, 5, Thornfield Road, West Park.

Lecturer in Physiology : G. WINFIELD, M.A., *Cambridge*, 45, Sholebroke Place, Chapeltown.

* See note under heading "Clinical Lecturers" on p. 102.

Lecturer in Physiology and Pharmacology : H. WHITRIDGE DAVIES, M.B., B.S., *Adelaide*, 13, Lifton Place.

Lecturer in Bio-Chemistry : A. WORMALL, M.Sc., *Leeds*, A.I.C., St. Malo, Station Road, Scholes.

Demonstrator in Comparative Physiology : G. L. BROWN, M.Sc., M.B., Ch.B., *Manchester*, 13, Lifton Place.

Demonstrator in Bio-Chemistry: P. G. MARSHALL, M.Sc., *Leeds*, 37, Mount Preston.

Honorary Demonstrator : E. R. FLINT,* M.B., Ch.B., *Leeds*, F.R.C.S., 30, Park Square.

Part-time Assistant : Mrs. H. D. DICKINSON, M.A., *Cambridge*, M.R.C.S., L.R.C.P., 31, Cromer Terrace.

Research Assistant : Vacant.

Temporary Research Assistant : Miss E. M. KILLICK, B.Sc., M.B., Ch.B., *Leeds*.

Clerk : Miss D. HUMPHREYS-EDWARDS, 233, Hyde Park Road.

Pathology and Bacteriology

Professor of Pathology, and Head of Department : MATTHEW J. STEWART,* M.B., Ch.B., *Glasgow*, F.R.C.P., 3, Cavendish Road.

Edward Brotherton Professor of Bacteriology and City Bacteriologist : J. W. McLEOD, O.B.E., M.B., Ch.B., *Glasgow*, "Spenthorn," North Parade, West Park.

Professor of Experimental Pathology and Director of Cancer Research : R. D. PASSEY, M.C., M.D., B.S., D.P.H., *London*, Cancer Research Laboratories, 35 and 37, Great George Street.

Lecturer in Chemical Pathology : F. S. FOWWEATHER, M.D., M.Sc., D.P.H., *Liverpool*, F.I.C., 11, Gledhow Wood Grove, Roundhay.

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* See note under heading "Clinical Lecturers" on page 102.

Lecturer in Bacteriology :	J. GORDON, M.D., D.P.H., *Leeds*, 17, Victoria Terrace, Belle Vue Road.
Lecturer in Pathology :	C. J. POLSON, M.B., Ch.B., *Birmingham*, M.R.C.P., M.R.C.S.
Lecturer on Pathology of Industrial Diseases :	P. L. SUTHERLAND, M.B., Ch.B., D.Sc., *Glasgow*, County Hall, Wakefield.
Lecturer in Experimental Pathology and Assistant Director of Cancer Research :	J. S. YOUNG, M.C., M.A., B.Sc., M.D., *Glasgow*, 21, Mount Preston.
Bio-Chemist (Experimental Pathology) :	H. J. CHANNON, B.A., D.Sc., *London*, F.I.C., 9, Ashwood Villas, Headingley.
Cancer Research Fellows :— Edward Allen Brotherton Fellowship :	Mrs. K. J. BONSER, M.D., *Manchester*, L.R.C.P., M.R.C.S., Lumby Hall, South Milford.
William Aykroyd Fellowship :	G. A. COLLINSON, M.Sc., Ph.D., *Leeds*, "Lyndene," Union Road, Liversedge.
Riley Smith Fellowship :	I. BERENBLUM, B.Sc., M.B., Ch.B., *Leeds*. 18, Montpelier, Hyde Park.
Bertram Parkinson Fellowship :	Vacant.
Research Assistant :	W. R. SPURRELL, B.S., M.S., London, F.R.C.S.
Demonstrators in Pathology and Bacteriology :	Miss E. M. HICKMAN, M.Sc., M.D., *Leeds*, 32, Cavendish Road. F. C. HAPPOLD, Ph.D., M.Sc., *Manchester*, 37, Hilton Road, Harehills. Miss B. WHEATLEY, M.B., Ch.B., *Leeds*, 2, Moorland Terrace. R. H. MORLEY, M.B., B.S., *London*, M.R.C.S., L.R.C.P., 36, Caledonian Street.

* See note under heading "Clinical Lecturers" on page 102.

Part-time Demonstrator in Bacteriology : Vacant.

Honorary Fellow in Pathology : R. CATTLEY, M.B., C.M., *Edinburgh*, B.Sc., D.P.H., *Cambridge*, 43, Main Avenue, Heworth, York.

Honorary Demonstrator in Medical Pathology : J. le F. C. BURROW,* M.B., *Edinburgh*, M.R.C.P., 30, Park Square.

Honorary Demonstrator in Surgical Pathology : A. RICHARDSON,* M.B., B.S., *London*, F.R.C.S., 37, Park Square.

Honorary Demonstrators in Pathology : Mrs. CLARA STEWART, M.B., B.S., *London*, 3, Cavendish Road.
H. V. PHELON, M.B., Ch.B., *Leeds*, M.R.C.P., Skipton Road, Ilkley.

Demonstrator in Dental Pathology and Bacteriology : G. R. BAXTER, M.B., Ch.B., B.Ch.D., D.P.H., *Leeds*, Wesley Place, Bramley.

Clerk : Miss M. RIFKIN, 35, Mexborough Avenue.

Medicine

Professor of Medicine and Head of Department : W. H. MAXWELL TELLING,* M.D., *London*, F.R.C.P., 29, Park Square.

Professor of Clinical Medicine : G. W. WATSON,* M.D., *London*, F.R.C.P., 42, Park Square.

Professor of Pharmacology and Therapeutics : R. A. VEALE,* B.A., *Oxford*, M.D., B.S., *London*, F.R.C.P., 37, Park Square.

Professor of Diseases of Children : C. W. VINING, M.D., *London*, F.R.C.P., D.P.H., 31, Park Square.

Lecturer in Pharmacy and Materia Medica : J. J. ANNING, L.M., D.D.A., Hadley, Grove Lane, Headingley.

Lecturer in Diseases of the Skin : J. T. INGRAM,* M.D., M.R.C.P., 27, Park Square.

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* See note under heading "Clinical Lecturers" on p. 102.

Honorary Demonstrator : Vacant.

Honorary Demonstrator in Pharmacology and Therapeutics : H. H. MOLL, M.D., *Rome*, M.B., Ch.B. *Leeds*, M.R.C.P., Cromer Hall.

Medical Tutor and Registrar : G. F. WALKER, M.D., *Leeds*, M.R.C.P., Holderness House, Oakwell Crescent, Roundhay.

Part-time Medical Tutor : H. H. MOLL, M.D., *Rome*, M.B., Ch.B., *Leeds*, M.R.C.P., Cromer Hall.

Surgery

Professor of Surgery and Head of Department : J. F. DOBSON,* M.S., *London*, F.R.C.S., 40, Park Square.

Professor of Clinical Surgery : HAROLD COLLINSON,* C.B., C.M.G., D.S.O., T.D., M.B., M.S., *London*, F.R.C.S., 27, Park Square.

Director of Surgical Research : L. R. BRAITHWAITE,* M.B., Ch.B., *Victoria* and *Leeds*, F.R.C.S., 45, Park Square.

Lecturer in Orthopædic Surgery : S. W. DAW,* M.B., B.S., *London*, F.R.C.S., 24, Park Square.

Surgical Tutors : G. ARMITAGE, M.C., M.B., Ch.M., *Leeds*, F.R.C.S., Elmfield Lodge, Cumberland Road, Headingley.

EDWIN HOLMES, M.B., Ch.B., *Leeds*, F.R.C.S., 2, Moorland Terrace.

Obstetrics and Gynæcology

Professor : C. OLDFIELD,* M.D., *London*, F.R.C.P., F.R.C.S., 25a, Park Square.

Tutor in Obstetrics and Gynæcology : A. M. CLAYE, M.D., *Leeds*, M.R.C.S., L.R.C.P., Maternity Hospital, 42, Hyde Terrace.

Honorary Demonstrator in Clinical Obstetrics : Vacant.

Lecturer in Gynæcology : W. GOUGH,* B.Sc., M.B., B.S., *London*, F.R.C.S., 5, Park Square.

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* See note under heading "Clinical Lecturers" on page 102.

Lecturer in Midwifery : Mrs. RHODA ADAMSON,* M.D., B.S., *London*, 24, Park Square.

Honorary Demonstrator in Obstetrics and Gynæcology : Vacant.

Public Health

Professor of the Administration of Public Health : J. JOHNSTONE JERVIS, M.D., *Edinburgh*, D.P.H., *London*, 2, Oakfield Terrace, Headingley.

Honorary Demonstrator : A. MASSEY, M.D., D.P.H., *Leeds*, 15, North Parade, West Park.

Forensic Medicine

Professor : F. W. EURICH, M.D., C.M., *Edinburgh*, 2, Belle Vue, Manningham Lane, Bradford.

Honorary Demonstrator in Toxicology : Vacant.

Ophthalmology

Lecturer : H. LEE.* B.A., M.B., B.Ch., *Cambridge*, F.R.C.S., 45, Park Square.

Otology

Lecturer : E. W. BAIN,*M.B., B.S., *London*, F.R.C.S., 45, Park Square

Mental Deseases

Professor : J. SHAW BOLTON, M.D., D.Sc., *London*, F.R.C.P., West Riding Mental Hospital, Wakefield.

Radiology and Electro-Therapeutics

Lecturers : H. B. SCARGILL, M.B., B.S., *London*, 26, Park Square.
G. COOPER, B.A., M.D., B.Ch., *Queens University, Belfast*, B.A.O., D.M.R.E., *Cambridge*, 41, Park Square.

Anæsthetics

Lecturer : S. T. ROWLING, M.D., *Leeds*, 15, Blenheim Terrace.

Vaccination

Instructor : F. W. M. GREAVES, M.D., D.P.H., *Leeds*, 98, Roundhay Road.

Research Assistants *(under Agreement with D.S.I.R.)* : S. ELLINGWORTH, M.Sc., *Leeds*, 68, Park Grove, York.
K. E. COOPER, Ph.D., *Leeds*, 128, Woodlands Drive, Harrogate.

CLINICAL LECTURERS

(In addition to those of the above Professors, Lecturers and Honorary Demonstrators whose names are marked with an asterisk to denote that they take part in the Clinical teaching.)

Medicine
W. MacADAM, M.A., B.Sc., M.D., Ch.B. *Glasgow*, M.R.C.P., 40, Park Square.

Surgery
P. J. MOIR, M.C., M.B., Ch.B., *Glasgow*, F.R.C.S., 40, Park Square.
H. W. SYMONS, M.B., Ch.B., *Leeds*, F.R.C.S., 27, Park Square.
D. CHAMBERLAIN, M.B., Ch.M., *Leeds*, F.R.C.S., 43, Park Square.

Obstetrics and Gynæcology
W. McGREGOR YOUNG, M.A., M.D., *Glasgow*, 14, Eldon Terrace.

Ophthalmology S. D. LODGE, F.R.C.S., 25, Park Square.

Otology W. M. MUNBY, Ch.M., *Edinburgh*, F.R.C.S., 25, Park Square.

Venereal Diseases J. P. BIBBY, M.B., Ch.B., *Leeds*, M.R.C.P., 24, Park Square.

Infectious Diseases J. S. ANDERSON, M.A., M.D., D.P.H., *Aberdeen*, Seacroft Hospital.

Dean's Clerk S. TAYLOR, 33, Airlie Avenue, Harehills.

Janitor J. LANGFORD, 3, Warwick Place.

SCHOOL OF DENTISTRY

Warden

W. SINTON THORBURN, M.Sc., *Leeds*, L.D.S.

Dental Surgery
Lecturer : C. HOLLAND CHILD, M.B.E., D.D.S., L.D.S., 40, Park Square.

Operative Dental Surgery
Lecturer : STEPHEN D. HEY, L.D.S., 32, Park Square.

Dental Anatomy and Physiology
Lecturer : J. W. MAWER, L.D.S., 13, Reginald Terrace.

Honorary Demonstrator in Dental Histology : G. H. H. RUSSELL, M.B., Ch.B., L.D.S., *Manchester*, 37, Park Square.

Dental Mechanics
Lecturer : W. SINTON THORBURN, M.Sc., *Leeds*, L.D.S., 13, Reginald Terrace.

Dental Metallurgy
Lecturer : W. LOWSON, B.Sc., *London* and *Leeds*, F.I.C., 50, Chapel Lane, Headingley.

Dental Radiology
Lecturer : H. B. SCARGILL, M.B., B.S., *London*, 26, Park Square.

Orthodontia
Lecturer : G. L. WILKINSON, M.R.C.S., L.R.C.P., L.D.S., 32, Park Square.

Clinical Dental Surgery
Clinical Lecturers:
WALTER MARSTON, M.Sc., *Leeds*, L.D.S., 12a, Clarendon Road.
STEPHEN D. HEY, L.D.S., 32, Park Square.
JAMES W. MAWER, L.D.S., 13, Reginald Terrace.
W. SINTON THORBURN, M.Sc., *Leeds*, L.D.S., 13, Reginald Terrace.
G. D. ILES, L.D.S., West Town, Dewsbury.
G. L. WILKINSON, L.R.C.P., M.R.C.S., *Eng.*, L.D.S., 32, Park Square.
W. S. HARRIS, L.D.S., 28, Bond Street, Wakefield.
J. K. CRAWFORD, L.D.S., 10, Park Square.
C. HOLLAND CHILD, M.B.E., D.D.S., L.D.S., 40, Park Square.
G. H. H. RUSSELL, M.B., Ch.B., L.D.S., 37, Park Square.
J. P. COCKER, L.D.S., Bond Street, Wakefield.

Honorary Clinical Tutors :	R. B. TASKER, M.C., L.D.S., 134, Albion Street.
	J. G. SYKES, B.Ch.D., *Leeds*, St. Mary's House, Bootham, York.
	G. R. BAXTER, B.Ch.D., M.B., Ch.B., D.P.H., *Leeds*, Wesley House, Bramley, Leeds.
	H. J. RAVENSCROFT, L.D.S., 1, St. Mark's Terrace.
	J. M. MACRAE, L.D.S., *Leeds*, 8, Sunny Bank, Shipley.
Honorary Anaesthetists :	W. S. SYKES, M.B., Ch.B., *Cambridge*, D.P.H., Glenholme, Morley.
	R. H. OLVER, M.B., Ch.B., *Leeds*.
Tutor in Mechanical Dentistry :	G. V. WATT, L.D.S., 3, Lidgett Park Grove, Roundhay.
Tutor in Clinical Dental Surgery :	G. L. ROBERTS, M.B., Ch.B., B.D.S., *Liverpool*, 13, Lifton Place.
Demonstrator in Prosthetic Dentistry :	J. R. S. WHITE, B.Ch.D.
Tutor :	J. G. SYKES, B.Ch.D., St. Mary's House, Bootham, York.
Assistant Casualty Officer :	S. R. WOODCOCK, L.D.S., Ravenscroft, The Drive, Roundhay.
House Surgeon :	E. A. ROGERSON, L.D.S., Allerton Grange, Lidgett Lane, Roundhay.
Student Demonstrators :	Three Senior Students.
Secretary :	A. BATT, 10, Moor Park Villas, Headingley.

TUTORIAL CLASSES

Staff Tutors :	A. H. DAINTON, M.A., *Oxford*, 11, St. Mark's Terrace.
	G. W. GIBSON, M.A., 3, Melbourne Terrace, Fishergate, York.
	A. N. SHIMMIN, M.A., *Manchester*, "Hebans," Station Rd., Ben Rhydding.
	D. STEWART, M.A., *Nat. Univ. of Ireland*, 13, St. Mark's Terrace, Woodhouse Lane.

J. R. TAYLOR, M.A., *Edinburgh*, 13, Midland Road, Hyde Park.
NORMAN WALKER, 60, Chapel Lane, Headingley.
J. R. WILLIAMS, B.A., *Leeds*, 8, Calgary Place, Chapel Allerton.
L. G. JOHNSON, B.A., *Sheffield*, 41, Albert Terrace, Middlesbrough.

University Library

Librarian : RICHARD OFFOR, B.A., Ph.D., *London*, Ash Holme, Moor Park Drive, Far Headingley.

Honorary Librarian (Medical School) Professor M. J. STEWART, M.B., Ch.B., *Glasgow*, F.R.C.P., 3, Cavendish Road.

Assistant Librarians : G. WOLEDGE, B.A., *Leeds*, 17, Cragg Terrace, Horsforth.
Miss G. WOODWARD, B.A., *London*, 7, Beech Grove Terrace.
Miss A. M. O. STEELE, Maryland, 5, Grosvenor Road, Headingley.

Senior Assistants : F. BECKWITH, B.A., *Leeds*, 527, The Terrace, Meanwood Road.
Miss M. U. ROBINSON, M.A., *Oxford*, Sandy Bank, Bardsey, nr. Leeds.

Junior Assistants : Miss P. M. BRIGGS, 59, Cliff Road, Hyde Park.
Miss E. TAIT, Heath House, 60, Somerset Road, Huddersfield.

Clerk : Miss I. COATES, c/o 3, Leicester Place, Blackman Lane.

University Parliamentary Constituency

Registration Officer : F. T. BAINES, B.A., *Cambridge*, Cragg View, Bramhope.

University Appointments Board

Secretary : W. R. GRIST, B.Sc., *London*, 8, Moor Park Avenue, Headingley.

Clerks : Miss D. E. CALVERT, 23, Brudenell Mount, Hyde Park.
Miss E. DENISON, 17, Stanmore Avenue, Burley.

Student Assistant : Vacant.

Dean of Women Students

Miss ALICE SILCOX, B.Sc., *London*, 18, Springfield Mount.

Halls of Residence for Women

Oxley Hall
Warden : Mrs. MOORMAN.
Sub-Warden :

Lyddon Hall
Warden : Miss AGNES B. MARCHBANK.
Sub-Warden : Miss LORNA I. SCOTT, B.Sc., *London.*

College Hall
Warden : Miss JANE HOLGATE, B.A., *Leeds.*

Weetwood Hall
Warden : Mrs. W. O. REDMAN KING, B.Sc., *Leeds.*
Sub-Warden : Miss R. M. TUPPER-CAREY, M.Sc., *Leeds.*

Halls of Residence for Men

Devonshire Hall
Warden : Professor JOHN STRONG, C.B.E., M.A., *London*, LL.D., *St. Andrews*, F.R.S.E.

Hostel of the Resurrection, Springfield Mount, Leeds
(Under the Direction of the Community of the Resurrection, Mirfield)
Warden : The Rev. FRANK BIGGART, M.A.

Cecil Duncombe Observatory

Honorary Curator : Professor A. GILLIGAN, D.Sc., *Leeds*, F.G.S.
Astronomical Observer : R. STONELEY, M.A., *Cambridge.*
Meteorological Assistant : W. PLOWMAN.

Roebuck Stamp Collection

Honorary Curator : E. SOLLY, M.B., D.P.H., Strathlea, 4, Cold Bath Road, Harrogate.

Ingham Herbarium

Honorary Curator : W. H. BURRELL, F.L.S., Bracondale, Hall Lane, Horsforth.

Photography

Photographer : J. MANBY, F.R.P.S., 10, Langdale Avenue, Headingley.

Administrative and General

Vice-Chancellor	J. B. BAILLIE, O.B.E., M.A., D.Phil., LL.D., Bardon Hill, Weetwood Lane, Leeds.
Vice-Chancellor's Secretary :	Miss G. V. M. SELBY, 31, Cromer Terrace.
Registrar and Secretary	A. E. WHEELER, M.A., *Leeds*, 16, Regent Park Avenue, Headingley.
Accountant	E. J. BROWN, B.Com., *London*, A.L.A.A., 24, Hollin Lane, Weetwood Lane.
Clerk to the Senate	F. T. BAINES, B.A., *Cambridge*, Cragg View, Bramhope.
Senior Assistant Secretary and Chief Clerk	J. J. ILETT, 31, Headingley Mount.
Assistant Secretaries	Miss G. ILLINGWORTH, 4, Moorland Hall, St. John's Terrace. Miss H. S. BENNETT, 7, Beech Grove Terrace.
Assistant Accountant	H. W. MERRELL, 149, Ash Road, Headingley.
Assistant Clerk to the Senate	Miss E. WESTON, 11, Miles Hill Road, Chapel Allerton.
Chief Bookkeeper	J. BELL, June House, Tinshill Road, Cookridge.
Senior Clerks	Miss M. ILLINGWORTH, 4, Moorland Hall, St. John's Terrace (*attached to Education Department*). Miss D. BOOTH, The Hawthorns, Ferrybridge. J. T. AITKEN, 28, Estcourt Avenue, Headingley.
Clerks	Miss N. YATES, 18, Vernon Road. Miss D. A. LILEY, 22, Mayville Road, Cardigan Lane. Miss M. SAUNDERS, 4, Catherine Grove, Beeston. Miss M. SPINK, 7, Hall Lane, Potternewton.

Miss M. M. DENISON, 17, Stanmore Avenue, Burley.

J. RUDSDALE, B.A., *London*, Moorwood Hall, 2, Lifton Place

Miss F. G. SENIOR, 72, Pasture Road, Harehills Avenue.

Miss O. DURLEY, 22, Lidgett Park Road, Roundhay.

Miss O. COHEN, Bank Villa, Selby.

Miss E. S. PERKIN, Blenheim Crescent, St. John's, Wakefield.

S. R. STENSON, 33, Grimthorpe Terrace, Headingley.

S. BOOTHMAN, 6, Winchester Place, Armley.

Miss K. M. ARMISTEAD, L.R.A.M., 7, Carter Terrace, Whitkirk.

Miss M. STROTHER, South View, Collingham, nr. Leeds

Clerk of Works — A. T. WESTROPE, 7, Norwood Road.

Engineer : — R. H. VERITY, 2, Providence Square, Church Lane, Meanwood.

Electrician : — L. PARKER, 83, Clifton Grove, Harehills.

Janitor — C. E. HILLIARD, 33, University Road.

Superintendent of Women Cleaners — Miss B. SANDILANDS, 6, Beech Grove Terrace.

University Union, 1929-30

President : — S. MORGAN.

Secretary : — H. M. D. HARRISON.

Clerk : — D. T. WRIGHT, Mayfield, Gladstone Street, Normanton.

University Refectory

Manageress : — Mrs. BECK, Becklee, Cottingley Bridge, Bingley.

School of Medicine Refectory

Manageress : — Mrs. WORTH, 39, Woodland Road, Halton, nr. Leeds.

REPRESENTATIVES OF THE UNIVERSITY ON COMMITTEES AND OTHER INSTITUTIONS

A. Joint Matriculation Board

	Appointment expires
[1]Professor DAWSON	June, 1930
[1]Professor GILLESPIE	"
[1]Professor PRIESTLEY	"
[1]Professor HUGH STEWART	"

B. Courts of other Universities

Birmingham	[3]Professor GILLESPIE	Feb., 1931
Bristol	[7]Professor PRIESTLEY	May, 1930
Liverpool	[3]Professor ORMEROD	Nov., 1930
Sheffield	[8]Professor JAMIESON	June, 1930

C. The General Medical Council

[3]Professor JAMIESON	Jan., 1931

D. Teachers' Registration Council

[5]Professor STRONG	July, 1932

E. Education Committees

West Riding	THE VICE-CHANCELLOR	
North Riding	[3]Professor N. M. COMBER	Jan., 1931
East Riding	[1]THE VICE-CHANCELLOR [1]THE Rev. T. MARSDEN	Mar., 1930
Yorkshire Council for Agricultural Education	[1]THE PRO-CHANCELLOR [1]THE VICE-CHANCELLOR [1]Professor PRIESTLEY [1]Major J. W. DENT	Mar., 1930
Borough of Harrogate	[1]Mr. W. P. WELPTON	Dec., 1930
Borough of Huddersfield (Technical and Further Education Sub-Committee)	Professor Garstang	

F. Affiliated Institutions

College of the Resurrection, Mirfield	Professor	June, 1930
Huddersfield Technical College	[1]Professor GARSTANG	Nov., 1929
Rawdon College	[1]Professor HUGH STEWART	June, 1930
Diocesan Training College, York	[1]Professor STRONG	Oct., 1930

The number prefixed to a name indicates the number of years in the term of the appointment.

G. Other Bodies

		Appointment expires
Hull University College, Court of Governors	[3]Professor GILLESPIE	Oct., 1930
Leeds Maternity Hospital	[4]Professor JAMIESON	June, 1932
West Riding Territorial Army Association	[1]Professor RITSON	Oct., 1929
West Riding Joint Examining Board	THE VICE-CHANCELLOR	
Yorkshire Board of Legal Studies	[1]THE VICE-CHANCELLOR [1]Professor GILLESPIE	June, 1930
West Riding Consultative Committee for Education	THE VICE-CHANCELLOR	
East Riding County Agricultural Committee	Col. DUNNINGTON JEFFERSON	Mar., 1931
Central Examinations Council of the West Riding	Professor STRONG	
Pickering Museum of Antiquities	Professor EDWARDS	
York Settlement	Professor JONES	
Morley Technical and Branch Technical Institutes	Professor WHEATCROFT	

H. Schools, etc.

Akroyd Foundation	[5]Dr. J. RAWLINSON FORD [5]Professor GILLESPIE	June, 1930
Barnsley Grammar School	[3]Professor J. H. JONES	Nov., 1932
Batley Grammar School	[3]Professor GOUGH	Oct., 1929
Bentham—Collingwood and Baynes Foundation	[5]Mr. C. W. GILHAM	Dec., 1933
Beverley Grammar School	[3]Rev. CANON OLLARD	Dec., 1930
Bingley Grammar School	[3]Mrs. REDMAN KING	June, 1930
Bishopside (Ripon) Lupton and Watson's Foundation	[4]Sir J. N. BARRAN, Bart.	Feb., 1932
Bradford Grammar School	[3]Professor STRONG	Dec., 1930
Bradford Girls' Grammar School	[4]Miss SILCOX	Mar., 1933
Bridlington School	[3]Professor HUGH STEWART	Apr., 1930
Brighouse School for Girls	[3]Miss A. B. MARCHBANK	June, 1930
Castleford Secondary School	[3]Professor GILLESPIE	Nov., 1930
Cleckheaton Grammar School	[3]Professor BRODETSKY	Apl., 1932
Coxwold Charity	[3]Professor H. M. DAWSON	Oct., 1929
Crossley and Porter Schools, Halifax	[2]Professor EDWARDS	Dec., 1931
Dewsbury—Wheelwright Grammar School	[3]Professor PRIESTLEY	Nov., 1930
Drax Free School	[3]Professor HAMILTON THOMPSON	Feb., 1931
Giggleswick Grammar School	[3]Professor HAMILTON THOMPSON	Mar., 1931

The number prefixed to a name indicates the number of years in the term of the appointment.

		Appointment expires
Halifax-Heath Grammar School	[3] Emeritus Professor CONNAL	Dec., 1931
Halifax-Rishworth Grammar School	[3] Professor HUGH STEWART	Nov., 1931
Harrogate Secondary School	[3] Miss BLACKBURN	Aug., 1931
Heckmondwike Secondary School	[3] Professor M. J. STEWART	June, 1931
Hemsworth Secondary School	[3] Mrs. GARSTANG	May, 1930
Hipperholme Grammar School	[3] Professor GORDON	July, 1931
Holmfirth Secondary School	[3] Miss OLDHAM	Nov., 1931
Honley Secondary School	Mr. GLENNY SMEAL	
Ilkley Grammar School	[5] Mr. R. S. DOWER	Dec., 1933
Keighley—Drake and Tonson's School	[3] Professor GILLESPIE	June, 1931
Keighley Trade and Grammar School	[1] Professor RITSON	Dec., 1930
Knaresborough Secondary School	[3] Mr. W. P. WELPTON	Jan., 1932
Leeds Grammar School	[3] Professor HUGH STEWART [3] Professor JAMIESON	May, 1931
Leeds Girls' High School	[3] Emeritus Professor CONNAL	June, 1930
Leeds Mount St. Mary's College	[3] Miss BLACKBURN	Aug., 1930
Malton (Old) Grammar School	[3] Sir E. N. WHITLEY	Oct., 1931
Morley Secondary School	[3] Professor COBB	May, 1931
Normanton Grammar School	[3] Professor WHIDDINGTON	Dec., 1932
Northallerton Grammar School	[3] The Rev. Canon WYNNE EDWARDS	June, 1932
Ossett Grammar School	[3] Mr. J. W. HAIGH JOHNSON	July, 1930
Otley Grammar School	[3] Professor BARBIER	July, 1930
Pickering Grammar School	[3] Mrs. KITCHING	Nov., 1929
Pocklington Grammar School	[3] Mr. H. F. HALLETT	June, 1932
Pontefract Grammar School	[3] Mr. E. E. BIBBY	Dec., 1929
Pontefract Girls' High School	[3] Miss SILCOX	Mar., 1931
Rastrick Grammar School	Mr. A. E. INGHAM	Dec., 1932
Ripon Grammar School	[3] Sir J. N. BARRAN, Bart.	Feb., 1930
Rishworth School	Professor HUGH STEWART	
Ripon Girls' Secondary School	[3] Mrs. B. M. CONNAL	June, 1930
Sedbergh Grammar School	[6] Professor EDWARDS	Nov., 1933
Selby Secondary School	[3] Miss SILCOX	Nov., 1930
Settle Girls' High School	[3] Dr. DORIS GUNNELL	Mar., 1931
Silcoates School	Professor GRANT	
Skipton—Ermysted's Grammar School	[3] Mr. A. H. DAINTON	Feb., 1932
Skipton Girls' Endowed School	[3] Miss SILCOX	May, 1930
Slaithwaite Grammar School	[3] Dr. T. W. WOODHEAD	June, 1930
Tadcaster Grammar School	[3] Professor PASSEY	Oct., 1929
Wakefield Grammar School	[3] Professor GILLESPIE	Oct., 1929
Wortley Free School Trust	[3] Professor COBB	May, 1931
York—St. Peter's School	[6] Professor JONES	Feb., 1934

The number prefixed to a name indicates the number of years in the term of the appointment.

External Examiners

Faculty of Arts

Greek : J. F. DOBSON, M.A., Professor of Greek, Bristol University.

Latin : W. C. SUMMERS, M.A., Professor of Latin, Sheffield University.

English Language : (To be appointed).

English Literature : (To be appointed).

French : C. A. MARTIN, M.A., Professor of French, Glasgow University.

German : W. E. COLLINSON, M.A., Professor of German, Liverpool University.

Hebrew : Professor D. R. SCOTT, Congregational College, Edinburgh.

Russian : (To be appointed).

Spanish : W. J. ENTWISTLE, M.A., Stevenson Professor of Spanish, Glasgow University.

History (Modern and Medieval) : Rev. C. E. WHITING, M.A., B.D., B.C.L., Reader in History, Durham University.

History (Ancient) : DONALD ATKINSON, B.A., Reader in Ancient History, Manchester University.

Philosophy : J. L. STOCKS, D.S.O., M.A., Professor of Philosophy, Manchester University.

Economics : H. M. HALLSWORTH, O.B.E., M.A., M.Com., Professor of Economics, Armstrong College, Newcastle-upon-Tyne.

Geography : A. G. OGILVIE, O.B.E., M.A., D.Sc., Reader in Geography, Edinburgh University.

Education : (To be appointed).

Law : R. A. EASTWOOD, LL.D., Professor of Law, The University, Manchester.

Faculty of Science

Mathematics : H. W. TURNBULL, M.A., Professor of Mathematics, St. Andrews University.

Statistics : J. F. TOCHER, D.Sc., Lecturer in Statistical Method, Aberdeen University.

Physics : A. M. TYNDALL, D.Sc., Professor of Physics, Bristol University.

Chemistry : K. J. P. ORTON, M.A., Ph.D., F.R.S., Professor of Chemistry, University College of North Wales, Bangor.

Zoology : (To be appointed).

Botany : D. THODAY, M.A., Professor of Botany, University College, Bangor.

Geology : W. T. GORDON, M.A., D.Sc., Professor of Geology King's College, London.

Faculty of Technology

Civil and Mechanical Engineering : E. G. COKER, M.A., D.Sc., F.R.S., Professor Civil and Mechanical Engineering, University College, London.

Electrical Engineering : C. G. LAMB, M.A., Sc.D., Reader in Electrical Engineering, Cambridge University.

Mining Engineering : H. BRIGGS, Ph.D., D.Sc., Professor of Mining, Edinburgh University.

Gas Engineering : Dr. F. S. SINNATT, Fuel Research Board, Department of Scientific and Industrial Research.

Fuel and Metallurgy : (To be appointed).

Colour Chemistry : Dr. F. L. RYMAN, Director of Research, Messrs. Boots Ltd., Nottingham.

Leather Industries : W. E. PALMER, M.A., Cambridge, M.Sc. Leeds.

Textile Industries : W. DAVIS, M.A., Professor of Textile Industries, University College, Nottingham.

Agriculture : Principal W. G. R. PATERSON, West of Scotland College of Agriculture.

Agricultural Chemistry : H. A. D. NEVILLE, M.A., B.Sc., F.I.C., Professor of Agricultural Chemistry, Reading University.

Agricultural Botany : R. ALUN ROBERTS, Ph.D. Lecturer in Agricultural Botany, University College, Bangor.

Agricultural Zoology : F. J. COLE, D.Sc., F.R.S., Professor of Zoology, Reading University.

Agricultural Economics : C. S. ORWIN, M.A., Director of Agricultural Economics, Research Institute, Oxford.

Faculty of Medicine

Anatomy : (To be appointed).

Physiology : H. S. RAPER, D.Sc., M.B., Ch.B., Professor of Physiology, Manchester University.

Pharmacy, Pharmacology and Therapeutics : W. J. DILLING, M.B., Ch.B., Professor of Pharmacology, Liverpool University.

Pathology : I. WALKER HALL, M.D., Professor of Pathology, Bristol University.

Bacteriology : W. J. TULLOCH, O.B.E., M.D., D.P.H., Professor of Bacteriology, University College, Dundee.

Forensic Medicine : J. T. J. MORRISON, M.Sc., M.A., M.B., Ch.B., F.R.C.S., Professor of Forensic Medicine, Birmingham University.

Public Health : (To be appointed).

Medicine : (To be appointed).

Surgery : (To be appointed).

Obstetrics and Gynæcology : W. FLETCHER SHAW, M.D., Professor of Obstetrics and Gynæcology, Manchester University.

Nursing : Miss MONTGOMERY, Matron, Middlesex Hospital.

Psychological Medicine : Dr. DOUGLAS McRAE, Glengall Hospital, Ayr, N.B.

Dental Subjects : J. LEWIN PAYNE, L.D.S., 18, Portland Place, London, W.1.

THE UNIVERSITY OF LEEDS

Session 1929-1930

Faculties of Arts (including Commerce and Law), Science and Technology

UNIVERSITY TERMS

The University session, or academic year, is divided into three terms as follows:

First Term ... Tuesday, October 1st. 1929, to Friday, December 20th, 1929.

Second Term ... Thursday, January 9th, 1930, to Saturday, March 22nd, 1930.

Third Term ... Thursday, April 24th, 1930, to Monday, June 30th, 1930.

ADMISSION OF STUDENTS

The classes and laboratories are open to men and women on the same terms. Special arrangements are made to meet the convenience of women students.

Except in cases approved by the Vice-Chancellor, students must have reached the age of 17 before coming to the University.

All candidates for admission to the University are required to give a reference of whom inquiry may be made. Those who are under 19 years of age and have been at a school or other educational institution within one year of their application for admission are required to produce a certificate of good conduct and of fitness for entrance to the University from the Head Master or Head Mistress of the School, or from the Head of the Institution which they have last attended.

In all cases students are urged to consult their Head Master or Head Mistress before presenting themselves for

admission to the University. Premature entry upon a University course is greatly to be deprecated. While the University has not thought fit to raise the minimum age for admission at the present time, such action may be taken in future years, and in the meantime applications from students below 17 will be considered with special care, and power is retained to refuse admission on grounds of immaturity even in the case of those who have passed the Matriculation Examination.

Applications for admission to the University from persons residing out of the United Kingdom, should be sent in not later than June 30th of each year, and must in all cases be accompanied by certificates of good conduct duly authenticated. Overseas students are, in addition, required to produce certificates of identity.

Students are required, prior to admission, to sign a declaration that they will observe the statutes, ordinances, and regulations of the University for the time being in force.

The Vice-Chancellor will admit students on TUESDAY, OCTOBER 1st, from 9.30 a.m. to 12.30 p.m. and from 2 p.m. to 5 p.m., and on WEDNESDAY, OCTOBER 2nd, from 9.30 a.m. to 12.30 p.m. The Professors and Lecturers will be present to confer with intending students and to give them advice respecting their courses of study. Women students are requested to consult the Dean of Women Students as to their studies before presenting themselves to the Vice-Chancellor. The Accountant will be in attendance to receive the fees and to register students whose courses of study have been duly approved.

All students (excepting those entering the department of Agriculture) are expected to register their names on one of the days mentioned above.

REGULATIONS TO BE OBSERVED BY STUDENTS

1. All students in regular attendance who are not living with their parents, or with relatives or personal friends, will be required to reside either at some Hall of Residence or

Hostel approved by the University, or in registered lodgings.* or in lodgings which, if not registered when taken by the student, shall receive the approval of the University. Students taking lodgings which have not been registered are required to report immediately to the Supervisor of Lodgings the address of such lodgings.

2. Students who do not return punctually at the beginning of the term are liable to be refused permission to keep the term. In case of delay in entering, due to illness or other unavoidable cause, a communication must be made to the Vice-Chancellor.

3. Regular, punctual, and orderly attendance at lectures, laboratories and departmental examinations is required of every student, in order to obtain certificates of attendance. In the case of persistent neglect of work, repeated failure at examinations, or unreasonable delay in presenting himself for such examinations, a student may be required to withdraw from the University.

4. When a student is absent through illness or other sufficient cause a written explanation must at once be sent to the Clerk to the Senate, who will communicate it to the heads of the departments concerned. Students desiring leave of absence must obtain it from the Vice-Chancellor.

5. Students are required to keep the Registrar informed of their addresses. Any alteration of address must be communicated without delay.

6. A student dismissed for idleness or misconduct will forfeit all fees and privileges.

7. Students are required to replace or repair any apparatus or other property destroyed or damaged by their fault.

8. The Students' Common Rooms are under the management of the University Union, and the Committee of the Union are empowered to impose fines in case of damage done to the property in their charge. An appeal against any decision of the Union may be made to the Vice-Chancellor.

* Women students are not normally expected to live in lodgings. Any student wishing to do so should first consult the Dean of Women Students.

9. All students of the University who are reading for degrees are required to enter their names in the Matriculation Register. On attending at the Office for this purpose, students must produce a certificate of having passed the Matriculation examination or of having been exempted therefrom.

10. No student is permitted, except with the leave of the Vice-Chancellor, to attend any lecture course or laboratory work until he has received from the Accountant his class ticket, which must be presented, before his course of study is begun, to the heads of the departments which he enters.

11. All students are required to present themselves for the departmental examinations in the subjects which they have been taking, and if they fail in these examinations they may be required to repeat their courses of study. In cases of repetition of courses the full fees will be charged.

12. Students are not at liberty to publish, except with the specific consent of the head of the department, the results of research work done in the University, or to publish any matter given in the lectures.

Vacation Study

The Senate desire it to be understood that study is expected from students during vacations. Arrangements are made by which the laboratories are open during a portion of the Long Vacation to students capable of independent work. Application for admission must be made to the heads of departments, with whom the decision as to the suitability of students for admission rests.

In many cases the vacation time of students in technical departments can be most profitably employed in obtaining practical experience in works. Assistance to obtain admission to works will, so far as practicable, be given by the Professors. In other cases, before the vacation begins, Professors and Lecturers will be prepared to make recommendations to students as to the private study which should be carried on during the vacation in preparation for the next session.

ENTRANCE EXAMINATIONS

All students who intend to present themselves as candidates for a degree in the University of Leeds are required, before entering upon their degree course, to produce a certificate of having passed the Matriculation examination conducted by the Joint Matriculation Board of the Universities of Manchester, Liverpool, Leeds, Sheffield and Birmingham, or a certificate of exemption therefrom. The conditions which entitle a student to exemption from the Matriculation examination are fully set forth in the Matriculation syllabus. Such applications for exemption from the Matriculation examination, as are based on special grounds and are not met by the conditions set forth in the Matriculation syllabus, are considered by the Joint Board through its Applications Committee.

The Matriculation examination is held at each University in July and September. Candidates are required to satisfy the examiners at one and the same examination in English Composition, and five subjects chosen as follows, and must attain a certain aggregate in these five subjects and English Composition:

I. *Either* English Literature *or* History.

II. *Either* Mathematics *or* Latin.

III. } *Three* other subjects not already taken under I and
IV. } II above, chosen from the following list:
V. }

1. English Literature
2. History
3. Geography
4. *Either* Music *or* Art
5. Greek
6. Latin
7. French
8. German
9. Spanish *or* some one other Language approved by the Board.
10. Mathematics
11. Mechanics
12. Physics
13. Chemistry
14. Physics–with–Chemistry
15. Natural History
16. Botany

Provided that (*a*) candidates who take Mathematics under II above must include one of the subjects 5—9;

(*b*) candidates who take Latin under II above must include one of the subjects 10—16.

Candidates may not enter for more than five subjects chosen from the above list.

Candidates will not be admitted to the courses of study for the degree of Bachelor of Arts unless they have (1) passed in Latin either as part of the Matriculation examination or as a Supplementary subject, or (2) passed with "credit" in Latin in one of the recognised School Certificate examinations, or (3) passed in Latin as a Full or as a Subsidiary subject in one of the recognised Higher School Certificate examinations, provided that translation at sight from Latin into English forms part of the examination.

A complete syllabus of the examination may be obtained from the Secretary, the Joint Matriculation Board, 315, Oxford Road, Manchester, to whom also should be addressed all applications for exemption from the Matriculation examination.

DEGREE COURSES

Candidates for degrees in Arts, Commerce, Law and Science are ordinarily required (*a*) to have completed not less than three years of study in the University, all of which must be subsequent to the date of passing the Matriculation examination, and (*b*) to have passed prescribed examinations in the subjects of study. Full particulars of the requirements of the University in these respects will be found in the Departmental Regulations.

FEES*

All Fees are payable to the Accountant. Cheques should be made payable to "The University of Leeds," and crossed.

The University reserves the right to revise the fees specified below at any time, whether in the case of new students or those who have already begun their courses.

*For Medical and Dental Course fees see separate Prospectus.

1. Registration Fee

All students proposing to attend at the University for more than six hours a week, or to attend a course for which a composition fee is charged, are required to pay a Registration Fee of £2 when their application for admission to the University is accepted.

2. Library Fee

Students who have paid a composition fee for the year, or have paid class fees of £4 or upwards, are entitled to the use of the Library during the session without further payment. All other day students will be admitted to the use of the Library on payment of 2s. 6d. a term or 5s. a session, in addition to their class fees.

3. University Union Fee

The annual subscription to the University Union is £2. This subscription is to be paid to the Accountant at the beginning of each session by all students reading for degrees and also, except in special cases to be determined by the Vice-Chancellor, by all students attending the University for more than six hours a week, who have not paid the composition fee for the year. The subscription entitles students to the use of the Common Rooms (which are supplied with daily papers, periodicals, &c.), to free instruction in the University gymnasium, and to the use of the athletic grounds, fives courts and tennis courts.

4. Lecture and Laboratory Fees

(*a*) *General Regulations*

The composition fees for lecture and laboratory courses may be paid either sessionally, in advance, or (with certain exceptions) terminally by instalments. Fees paid by instalments are at a slightly higher rate than when paid in advance. The terminal instalment scales of fees are not applicable to students ordinarily resident outside the British Isles; such students must pay fees sessionally in advance.

A student ceasing, for any reason whatsoever, to attend at the University during the session has no claim to a return of fees.

A student who elects to pay composition fees by instalments and who withdraws from the University before

the end of a session, must pay the whole of the remaining instalments of the session's fees.

On presentation of a form signed by the Dean of the Faculty authorising attendance upon courses of study, and upon payment of the requisite fees, the Accountant will issue a class ticket entitling the student to attend such courses. This class ticket must be presented by the student, before commencing a course, to the Professors or Lecturers whose classes or lectures he is authorised to attend.

(*b*) *Composition Fees for Complete Courses*

N.B.—Any student attending a degree course, or any other course which is regarded as a full course, will be required to pay the composition fee appropriate to the Faculty in which he is a student.

Students paying a composition fee of £33 or upwards will be admitted without further charge to any additional classes for their attendance at which they have obtained the sanction of the Vice-Chancellor and the Head of the Department.

The composition fees include the subscription to the University Union unless otherwise stated.

	Fee when paid sessionally *in advance.* £	Fee when paid in terminal instalments *on the 1st day of each term.* 1st Term £	2nd Term £	3rd Term £
Arts				
For each of first three sessions	33 each session	16	10	9
4th session	27* ,,	14	7	7
Science				
For each of first three sessions	41† ,,	20	13	10
4th session	33* ,,	16	10	8
Technology				
For each of first three sessions	45 ,,	22	15	10
4th session	37* ,,	19	12	9

*Applicable only in the case of a student who for three successive years has paid the composition fee appropriate to any one Faculty.

†Students in the Chemistry department, in addition to purchasing a recognised set of apparatus, will also pay a deposit of 30s. at the beginning of each session, to cover the cost of replacing broken apparatus. This deposit will be paid with the tuition fee, and will be refunded at the end of each session after deducting cost of breakages.

Students in the Faculty of Arts who take classes or laboratory work or both in the Faculty of Science for more than nine hours a week will be charged the composition fee for Science.

The composition fee for Applied Science (Technology) will be applicable to all students whose courses of study entail an average attendance of six hours a week or more per session in one or more of the Technological departments.

Students of the Engineering, Mining, Fuel, and Colour Chemistry departments will be charged the Technological composition fee for each year of the course.

Students who have paid the composition fee, and who have been allowed to work in one of the laboratories during the vacation, will be charged an additional fee (see section (*c*)).

B.Sc. (*Physiology*). Students who combine a course in Physiology with the Medical course will be required for their first year to pay the usual Medical composition fee, namely £50 if paid in one sum; or if paid in terminal instalments, 1st term £25, 2nd term £16. 3rd term £11. At the commencement of the year in which a student enters upon the Physiology course for the Honours degree, a supplementary composition fee will be payable, namely, £41 if paid in one sum, or if paid in terminal instalments, 1st term £21, 2nd term £21. This supplementary fee will cover all necessary attendance in the subjects of the course.

Mathematics. Candidates for the degree of B.Sc. with Honours in Mathematics:

	Fee when paid sessionally *in advance.*	Fee when paid in terminal instalments *on the 1st day of each term.*		
		1st Term	2nd Term	3rd Term
	£	£	£	£
1st session ...	41 ...	20	13	10
2nd session...	41 ...	20	13	10
3rd session...	33 ...	16	10	9
4th session...	27 ...	14	7	7

Social Organisation and Public Service. Diploma Course (including practical work), £26 each session. (If paid in terminal instalments: 1st term £14, 2nd term £9, 3rd term £5).

NOTE.—Non-Diploma students taking advantage of the facilities for practical social work will be charged a fee of £3 a session in addition to any other fee paid by them.

Education. Four year Course for students recognised by the Board of Education: Fee paid by the Board of Education.

Reduced Course (second year) for students recognised by Board of Education: Fee of £10 payable by student.

Course for Diploma in Education, £42 each session if paid in one sum, or if paid in terminal instalments, 1st term £21, 2nd term £13, 3rd term £10. (In the case of students in respect of whom a grant is paid by the Board of Education, this fee is reduced by the amount of the grant).

Commerce. Degree Course, £33 each session, unless one of the subjects offered is v. (*a*, *b*, *c or d*) (see Final B. Com. Regulations), in which case the fee to be paid will be £45 for each of the two sessions devoted to the study of that subject. (For instalment scale see section (*b*)).

Law. Course for degree of LL.B., £13 11s. per session, payable in advance; Course for Final examination of the Law Society, £11 11s. per session (excluding Union fee), payable in advance; Statutory course for Certificate under the Solicitor's Act, 1922, £11 11s., payable in advance for the full course if taken during three consecutive terms. (An additional fee calculated at the Separate Subject rate (see para. (*c*)) will be charged if the course is spread over a longer period than three consecutive terms).

Agriculture

	If paid sessionally *in advance.*		If paid in terminal instalments *on the 1st day of each term.* 1st Term	2nd Term	3rd Term
Degree Course:	£		£	£	£
1st session	41	...	20	13	10
2nd, 3rd & 4th sessions	45	...	22	15	10
Diploma Course:					
1st session	30	...	15	10	7
2nd and 3rd sessions (two Winter terms)	20	...	—	—	—*

Students who enter upon a four years' course may elect to pay in their first year £45, being the composition fee for the Faculty of Technology, instead of £41, which is the composition fee for the Faculty of Science. They will then be entitled in their fourth year to a reduction of the fee from £45 to £37. (For terminal instalment scale see section (*b*)).

Students in the department of Agriculture, in addition to purchasing a recognised set of apparatus, will also pay a deposit of 20s. at the beginning of each session, to cover the cost of replacing broken apparatus. This deposit will be paid with the tuition fee, and will be repaid at the end of each session after deducting cost of breakages.

Medical and Dental. For Medical and Dental Course fees, see separate prospectus.

Master of Arts, Commerce, Law, Science or Education.

(*a*) In the case of candidates who have not graduated in the University of Leeds :—

Registration fee, £2.

Fees at the usual scale for any attendance at lectures or classes in the University, provided that the minimum fee payable by any candidate (in addition to the registration fee) shall be £4 4s. per session.

(*b*) In the case of candidates who are graduates of the University of Leeds :—

No Registration fee.

Fees at the usual scale for any classes attended.

*Instalment scale not applicable.

Doctor of Philosophy (Ph.D.). Faculty of Arts, £10 per session. Faculties of Science and Technology, £14 per session.

Fees for lectures and laboratory work not expressly recommended by the head of the department concerned will be at two-thirds the ordinary rate.

The Supervision fee payable by Ph.D. candidates who have received permission from the Senate to spend the second year of their course in other approved Universities or Institutions will be at the nominal rate of £2.

(*c*) *Fees for lectures and laboratory work when paid for separately.*

The following fees, payable in advance, will be charged for lectures and laboratory work when paid for separately, except in the case of classes for which a special fee has been fixed.

First lecture hour per week in a class	£4 per session.
Each hour per week beyond the first	£2 ,,
Each hour per week of laboratory work	£2 ,,

For two terms three quarters of these amounts will be charged. For one term half of these amounts will be charged.

Students who have taken a degree or a diploma in the technological departments, and who desire to fill in time at the University while waiting for an appointment shall, on approval by the heads of the departments concerned, be permitted to attend for short periods in these departments at a fee not exceeding £1 per week plus any cost entailed for special material.

Students who are deemed by the head of the department concerned to be capable of independent work may be admitted to work in vacations only (during such times as the laboratories are open), on the following scale of fees:—

1 day a week	... ...	£1 10 0	per month
2 days ,,	... ...	£3 0 0	,,
3 ,, ,,	... ...	£4 10 0	,,
4 ,, ,,	and upwards	£6 0 0	,,

For students who have paid a Composition Fee in the same session, and who are admitted to vacation work the fee will be one pound per month.

(*d*) *Fees for Research Students*

Persons desiring to pursue original research may be admitted as research students upon the following conditions:—

(1) Applications for admission as research students must be made to the head of the department concerned. The admission is subject to the approval of the Senate.

(2) Graduates and advanced students will, if admitted as research students, be charged £12 a session, £4 a term, £2 a month (four weeks) in term or vacation. This fee will include any University lectures or laboratory work recommended by the head of the department. The fee to any other lectures or laboratory work will be charged at two-thirds the ordinary rate. This scale will in no case apply to students preparing for a Bachelor's degree unless they have completed the third year course of study in the University, and have paid the appropriate composition fee for three years.

(3) Persons prosecuting private industrial investigations will, if admitted as research students, be charged £6 a month with additional charge for any special expenditure incurred by the University in connexion with the research.

(4) Research students who attend for short periods only will not be charged the library fee unless they wish to use the library.

(5) Research students in the Chemistry department will also pay a deposit of 30s. at the beginning of each session to cover the cost of replacing broken apparatus. This deposit fee is payable with the research fee, and is repayable at the end of each session after deduction of the cost of breakages.

(6) Research students will not be entitled to the use of the students' Common Rooms except on payment of the subscription to the University Union.

5. Examination Fees

No fee will entitle to admittance to more than *one* examination. Unless otherwise stated, the fee for a second or subsequent examination is the same as that for the first. All fees are payable in advance.

For the Matriculation examination, £2.*

For Ordinary B.A., a total examination fee of £6, payable in two instalments, £3 on presentation for first examination, and £3 at the end of the second session.

For Honours Schools with no first year qualifying examination (Modern Languages, Classics) £6 for Honours examination.

For Honours Schools with a qualifying examination, £3 for qualifying examination, and £3 for Honours examination.

For the Intermediate examination for the degree of LL.B., or B.Com., £3.

For the Final examination for the Ordinary or Honours degree of LL.B., or B.Com., £3.

B.Sc. degree:—

(i) A fee of £6 to be payable; £3 to be paid when the candidate presents himself for examination at the end of the first session in the University, £3 upon the second occasion on which he presents himself for examination.

(ii) In cases where no examination is taken at the end of the first session, a fee of £6 to be payable on the first occasion on which the candidate presents himself for examination.

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*Joint Matriculation Board fees are payable to the Secretary, Joint Matriculation Board, 315 Oxford Road, Manchester.

For the examination or report upon dissertation for the degree of M.A., M.Sc., M.Ed., M.Com., or LL.M., £5.

For the examination or report upon dissertation for the degree of Litt.D., LL.D., or D.Sc., £15; Ph.D., £10.

For the examination in Education for the Government Certificate, 5s.

For the Final examination for any Diploma in the Faculty of Arts, £3.

Diplomas in Technology, £6, with the following exceptions:—

(*a*) The fee for graduates of this University (or for candidates who have paid the full degree examination fee of £6) or for the holders of a diploma of this University, £3.

(*b*) If a diploma be granted in addition to the degree on the results of the degree examination, the extra fee entitling to the diploma is £1.

(*c*) No additional diploma fee is charged to a candidate who has paid for the degree examination and has been awarded a diploma in place of a degree on the results thereof.

(*d*) Fee for re-examination, £3.

Candidates who are allowed to take any examination in two or more parts will be required to pay the full fee for such examination when entering for the first part.

When the regulations allow a candidate to take part of an Intermediate or Final examination separately, the following fees will be charged for re-examination, viz.:—

(*a*) *B.A. degree*:—

£1 for each re examination in each subject; but the aggregate fees for the *first* re-examination in all subjects shall not exceed £8.

(*b*) *B.Sc. degree* :—

£1 for an Introductory (or one year) subject
£2 for a Subsidiary (or two year) subject
£3 for a Principal (or three year) subject

but the aggregate fees for the *first* re-examinations in all subjects shall not exceed £8.

Agriculture in the Ordinary degree shall rank as a three-year subject for this purpose.

(*c*) *B.Com degree* :—

15/- for a Subsidiary subject.

Medical and Dental Course Examination Fees.

See separate prospectus.

6. Degree Fees

On the conferment of a first degree in the Faculties of Arts (including Commerce and Law), Science and Technology, £7 (including Convocation fee). On conferment of a further degree, £6.

SCHOLARSHIPS

The University offers a certain number of Senior and Graduate Scholarships, full particulars of which are given in the Scholarship Prospectus and the Calendar.

Scholarships tenable at the University of Leeds in scientific and technical subjects, (including Agriculture) as well as in Arts subjects, are also offered by the Leeds City Council and the County Councils of the North, East, and West Ridings of Yorkshire.

In certain cases assistance is offered to students in Evening Classes.

For further information application should be made as follows :—

For Leeds City Council Scholarships: To The Director of Education (Higher Section), Education Department, Leeds.

For West Riding Scholarships: To The Education Department, County Hall, Wakefield. Applicants should ask for Section X of Part II of the Handbook of the Education Committee.

For North Riding Scholarships: To The Secretary, Education Offices, County Hall, Northallerton.

For East Riding Scholarships: To The Clerk, East Riding County Council, Beverley.

OFFICERS' TRAINING CORPS

A contingent of the Senior Division of the Officers' Training Corps was formed at the University in July, 1909, and was accepted by the War Office.

Information as to conditions of membership, &c. may be obtained from the Commanding Officer.

UNIVERSITY LIBRARY

The Library is open (*a*) daily during term from 9 a.m. to 5.30 p.m. (on Saturday from 9 a.m. to 1 p.m.); (*b*) during vacation from 9 a.m. to 5 p.m.

It is closed during one week at Christmas and during the public holidays when the University is closed.

General Regulations*

1. No book shall be removed from the Library unless the borrower shall have first filled in the form provided.

2. No mark of any kind may be made in the Library books or periodicals. Any loss of, or injury to, a book shall be reported to the Librarian, who shall require the person responsible to pay a sum not exceeding that which will be required to make the loss or injury good.

3. The Librarian, in consultation with the Library Committee, has power to suspend the Library privileges of any person who breaks the rules of the Library.

4. The following books may only be taken out of the library after 4 p.m. on Monday, Tuesday, Thursday and Friday and after 12 (noon) on Wednesday and Saturday. They must be returned before 10 a.m. on the next day on which the library is open:—

(*a*) Dictionaries, encyclopedias and other works of reference.

(*b*) Books placed in the reference sections of the library owing to their constant use.

(*c*) Current numbers of periodicals.

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*For Regulations relating to the Medical Library see Prospectus of the School of Medicine.

5. Certain books and periodicals of exceptional importance or rarity may not be removed from the library except with the permission of the Librarian.

6. No person shall be allowed to take a book out of the Library if he has in his possession any book which he has kept beyond the time allowed by the regulations, or if any fine or charge which he has incurred has not been paid.

7. Persons not members of the University who are engaged in special studies may be given the right to use the Library by the Librarian on payment of 2s. 6d. a term or 5s. a session. Unless in special cases, this does not include the right to take out books.

8. The Librarian shall be at liberty to grant special facilities for the use of books during a limited time to any person entitled to the use of the Library.

9. No smoking shall be permitted within the precincts of the Library and the rooms appertaining thereto.

Regulations affecting Members of the Academic Staff

10. Any member of the Academic Staff shall be entitled to take out such books as he requires and to retain them until the end of term, unless he receives a notice that any of these books are overdue, in which case such book or books shall be returned without delay to the Library. A book shall be regarded as overdue when it has been in the possession of the borrower for a fortnight and is required by some other person. This regulation shall apply, *mutatis mutandis*, to books taken out at the beginning of, or during, any of the vacations.

11. A book which is not overdue according to Rule 10 may be renewed for the vacation on application in writing to the Librarian.

Annual Inspection

12. All books must be returned to the Library by 5 p.m. on Monday in the last week but one of the second term. No book shall be borrowed again before the following Friday morning.

12*a*. A fine of twopence per volume shall be imposed for every day that a book is detained beyond the time for its return for the inspection; the same shall apply to books lost, when the loss shall not have been notified to the Librarian before the days of inspection.

Regulations affecting present and past Students of the University

13. All graduates of the University and Associates of the Yorkshire College are entitled to the free use of the Library.

14. Students who have paid a composition fee for the year, or have paid class fees of £4 or upwards, are entitled to the use of the

Library during the session without further payment. All other day students will be admitted to the use of the Library on payment of 2s. 6d. a term or 5s. a session, in addition to their class fees.

15. All evening students, and all past students who are not graduates are entitled to the use of the Library on payment of a fee of 2s. 6d. per session.

16. No student may have the right to borrow more than three volumes at one time. A student desiring specially to borrow more than this number of volumes should make application to the assistant in charge of the General Library.

17. Every book must be returned to the Library on or before the fourteenth day following that in which it was taken out. A book may, however, be renewed from week to week until four weeks have elapsed since its first issue, provided that no application for the use of the book by another person has been received in the meantime.

18. All books must be brought to the Librarian for renewal, except when an application for renewal has been made and granted on the day before that on which the return of the book falls due. Applications for renewal may be made personally or by post.

19. All books must be returned to the Library before the end of the second term in accordance with Regulation 12.

20. Students provided with a written recommendation from a Professor or Lecturer shall be entitled to take out books of reference, but books taken out under this rule must be returned to the Library before the person using them leaves the University buildings.

21. Any person borrowing a book under Rule 4, and failing to return it by the time therein specified, shall be fined 4d. a day, and any person who does not comply with Rule 17, shall be fined 2d. if the book is returned within seven days following the day on which it is due back and 2d. a day for each day after that period. A notice shall be posted to the borrower on the business day following that on which the return of the book was due, informing him that a fine is being incurred.

22. Books may be taken out at the beginning of, or during, any of the vacations, and may be retained until the borrower receives notice that they are overdue. A book shall be regarded as overdue when, having been in the possession of the borrower for a fortnight, it is required by some other person. All books taken out during any of the vacations shall be returned not later than the first week of the ensuing term.

Regulations respecting Special Libraries

1. *The following are the Special Libraries.*—(*a*) English; (*b*) French; (*c*) German; (*d*) History; (*e*) Economics; (*f*) Philosophy; (*g*) Classics; (*h*) Law.

2. *General Status.*—Special Libraries, being departments of the University Library, are subject to the regulations of the University Library, except in so far as modified by the following rules.

3. *Admission to Special Libraries.*—(*a*) *Academic Staff.* A master key of all the Special Libraries shall be issued to the members of the teaching staff, on application to the Librarian.

(*b*) *Students.* The Librarian may further give the right of admission to each Special Library, in accordance with the procedure detailed in regulations 4 and 5, to students of the University upon the written recommendation of the professor or head of department.

(*c*) *Occasional Use.* The Librarian shall have the power provisionally to admit students to any of the Special Libraries, subject to the approval of the head of the department concerned.

4. *Issue of keys.*—A key shall be issued to students duly recommended in accordance with regulation 3 (b) for the use of a particular library, on payment of a deposit of ten shillings which shall be returned when the key is surrendered.

5. *Availability of keys.*—Keys thus issued to students are available until the first week of the next session. Permission to retain a key thereafter may be given to students continuing at the University, subject to the approval of the head of the appropriate department. Students desiring to continue the use of the key must accordingly notify the Librarian to that effect. Students who do not return their keys or who do not state their desire to retain them shall be notified by the Librarian, and the deposit, together with the right to the use of the Special Library in question, shall be forfeited if the key is not returned by the end of the month of December.

6. *Borrowing of Books.*—Members of the Special Libraries may borrow books by filling up a form and placing it in a box provided in the Special Library for the purpose. Such books shall be returned to the assistant in charge in the General Library and the borrower's form received back in exchange. The borrower is responsible for the book as long as the form is retained in the borrower's register. In other respects the same rules shall apply to books borrowed from the Special Libraries as to books borrowed from the General Library.

7. *Books not to be removed.*—Lists of books which must not be removed from the Special Library or be borrowed by students who are not members thereof, shall be drawn up by the Librarian in consultation with the head of the department.

8. *General use.*—In all other respects the books in the Special Libraries shall be under the same regulations as books in the General Library and may be consulted by all who are entitled to use the University Library, on application to the library staff.

Regulations for the Agricultural Library

1. *General Reference Books.*—These books may not be removed from the library until after 5 p.m., except by members of the staff. They must be returned by 10.15 a.m. next day. They may be removed from the library on Saturdays after 11.45 a.m., and must then be returned by 10.15 a.m. on the following Monday. Members of the staff borrowing books before 5 p.m. must not take them out of the building until after that time.

2. *Advisory Reference Books, i.e., books which may be required urgently at very short notice in connection with advisory work.*—Conditions to be the same as for General Reference Books with the exception that students may not borrow the books.

3. *Serials.*—Current numbers may be borrowed under the same conditions as Advisory Reference Books.

UNIVERSITY PARLIAMENTARY CONSTITUENCY

By the provisions of the Representation of the People Act, 1918, the University of Leeds forms part of the English University Constituency, which returns two members to Parliament.

Section 2 of the Act states: "A man shall be entitled to be registered as a Parliamentary elector for a University constituency if he is of full age," *i.e.* 21 years, "and not subject to any legal incapacity, and has received a degree (other than an honorary Degree) at any University forming, or forming part of the constituency."

Section 4 states: "A woman shall be entitled to be registered as a Parliamentary elector for a University constituency if she has attained the age of thirty years* and . . . . would be entitled to be so registered if she were a man."

The University Court, in the exercise of powers conferred upon it by section 19 of the Act has laid down the following conditions of registration:—

(*a*) *Persons who have graduated before the passing of the Act* (February 6th, 1918), and who are otherwise qualified, will only be entered on the register if

i. they make written application to the University.

*Under the Equal Franchise Act, 1928, the qualifying age is now 21 years.

ii. they have paid a registration fee of £1 if they are not members of Convocation, or of 9s. 6d. if they became before August 1st, 1918, members of Convocation.

(*b*) *Persons who graduate at or after Midsummer*, 1918, will if they have paid *before graduation* a special combined fee of £1, be entered on the roll of Convocation and also entered on the Parliamentary Register as soon as they have completed the qualifying age. If this special fee is not paid at the time of graduation, they will be charged a fee of £1 for registration as Parliamentary electors.

(*c*) All persons who graduate on or after June 1st, 1926, having already paid, in accordance with Ordinance XXV, a Convocation fee of £1, will be entered on the Parliamentary register without further fee as soon as they have completed the qualifying age.

Claims may be made up to the 31st July in each year and the Register will come into effect from the 1st October following.

Application for registration must be made on the official form, which may be obtained from

The Registration Officer,
The University, Leeds.

Change of address on the part of an elector should be notified promptly to the Registration Officer.

All communications requiring a reply should be accompanied by a stamped addressed envelope.

APPOINTMENTS BOARD

The Board has been set up for the purpose of assisting present and past students of the University who desire help in obtaining posts. A detailed register is kept of all students who enrol, and notices of suitable appointments are sent out regularly. The Secretary is in touch with the Ministry of Labour, the Universities Bureau, the Federation of British Industries, and all Government Departments.

Many Education Authorities now notify their vacancies direct to the Secretary, and the number of enquiries from private employers is steadily increasing.

It is desirable to emphasise the fact that registration with the Board is permanent, and the Secretary endeavours to keep up to date information regarding the whereabouts and nature of employment of all Old Students who are registered with the Board.

No fees are charged either for registration or for negotiations conducted between students and prospective employers.

The Board will welcome the views of employers on matters relating to the employment of University graduates in business houses, and will at all times be glad to hear of suitable vacancies.

All communications should be addressed to the Secretary, Appointments Board, The University, Leeds.

ACADEMIC DRESS

All Hoods are to be of a Green shade, combined with Black, White, Scarlet, or with one another, to produce the variations required for the several Degrees, namely:

B.A., a self-coloured Hood of Dark Green shade.
B.Com., a Light Green Hood, lined with Dark Green.
B.Sc., a self-coloured Hood of Middle Green shade.
LL.B., a self-coloured Hood of Light Green shade.
M.B. and Ch.B., a Hood of Dark Green, lined with Light Green.
B.Ch.D., a Hood of Dark Green, lined with Middle Green.
M.A., a Dark Green Hood, with White Lining.
M.Sc., a Middle Green Hood, with White Lining.
M.Ed., a Dark Green Hood, with White Lining and Band one inch of Middle Green laid on the White Silk.
LL.M., a Light Green Hood, with White Lining.
M.Com., a Light Green Hood with White Lining and Band one inch of Dark Green laid on the White Silk.
M.Ch., a Dark Green Hood, edged with Light Green, and lined with White.

M.Ch.D., a Dark Green Hood, edged with Middle Green and lined with white.

All Bachelors' Hoods are to be lined, and all Bachelors' and Masters' Hoods are to be of the single or Oxford pattern.

The Gown of a Doctor (other than a Doctor of Philosophy) is to be of Scarlet, with facings and sleeve linings of the shade of Green distinctive of his faculty. The Hood is to be of Scarlet, lined with the distinctive shade or shades of Green. The Full Dress Cap is to be of the usual pattern, with a Gold Cord, and a lining of the shade of Green distinctive of the faculty.

The Gown of the Doctor of Philosophy is to be of Green, with sleeve linings of Green, and facings of Green bound with Scarlet. The Hood is to be of Green, lined with Green, and with narrow bindings of Scarlet. The Full Dress Cap will be Black Velvet of the usual pattern.

The Senate of the University have laid down the following definitions of correct academic dress for ceremonial occasions :—

(*a*) Academic undress : Black gown.

(*b*) Academic dress :—

Bachelor	...	Black Bachelor's gown with appropriate hood.
Master	...	Black Master's gown with appropriate hood.
Ph.D.	...	Black Master's gown with Ph.D. hood.
Doctor	...	Black Master's gown with Doctor's hood.

(*c*) Full academic dress :—

Bachelor	..	Black Bachelor's gown with appropriate hood.
Master	...	Black Master's gown with appropriate hood.
Ph.D.	..	Ph.D. gown without hood.
Doctor	...	Scarlet gown, without hood if the gown is faced with the distinctive colour of the specific Doctor's degree.

ROBEMAKERS TO THE UNIVERSITY

Ede & Ravenscroft, 93 and 94, Chancery Lane, London. Representatives of the firm attend on Degree Days to robe those who are to be presented for degrees.

ARMS OF THE UNIVERSITY

The Arms of the University are "Vert an open Book proper edged and clasped Gold inscribed with the words 'Et Augebitur Scientia' between in chief three Mullets Argent and in base a Rose of the last seeded proper, and for the Crest on a Wreath of the Colours A Greek Sphinx sejant Gules."

STUDENTS' SOCIETIES

The University Union comprises the Cricket, Football (Rugby and Association), and Tennis Clubs, and undertakes the management of the Gymnasium, the Fives Courts and the Debating Society. Among University Societies are the Literary and Historical Society, the Debating Society, the Education Society, the Cavendish Society, the Natural History Society, the Engineering Society, the Textile Society, the Agricultural Society, the Society for Social Study, the Geographical Society, the International Society, the Maitland Society and the Music Society.

The Colours of the University Union are Green, White and Maroon.

The *recognition* of students' Societies of all kinds is in the hands of the Senate, and will be considered only in the case of (i) Societies under the direct management of the University Union, and (ii) Societies formed for the promotion of general academic and departmental studies. No Society is recognised as a University Society unless its current rules and regulations have received the sanction of the Senate.

Recognition implies:—

(*a*) The right to the use of a particular room in the main University buildings for the purpose of assembly.
(*b*) The right to use this room at stated periodic intervals in the session, free of charge.
(*c*) The right to describe the Society as a Leeds University Society.

(*d*) That only members of staff and past and present students of the University will be admitted to full membership of the Society. The Senate reserves the right to modify this regulation in special circumstances on application being made by a Society.

(*e*) That any student of the University otherwise qualified will not be debarred from joining the Society.

(*f*) That the Society will undertake to protect the property of the University from damage during use by the Society.

GYMNASIUM

The Gymnasium is free to all members of the University Union. It is reserved for the use of women students at suitable hours, which, together with those arranged for other classes, will be announced at the beginning of the session.

LOCKERS FOR COATS AND BOOKS

The use of a coat locker may be obtained for the session, or a part of it, by depositing 5s. with the Hall Porter, who will lend the student a key, which will, however, remain the property of the University. A charge of 3s. 6d. per session will be made, the balance of the deposit money being repaid when the key is returned, provided the return be made not later than one week after the end of the session.

Smaller lockers, for books, &c., are also provided, and the use of one of these may be obtained on a deposit of 4s. for the session or term, 1s. 6d. of which will be repaid on compliance with the above conditions.

A student will be charged for any damage done to the lockers while in his possession, or for loss of keys. The loss of a key should be immediately reported to the Hall Porter.

LODGING AND BOARDING HOUSES

A Register of approved lodging-houses is kept at the University, and printed lists can be sent at any time to parents, guardians, or students who desire to take lodgings.

If a student takes lodgings which are not already on the register, he must immediately apply to the Supervisor of Lodgings for a form of application for registration of lodgings. This form must be filled in and returned at

once, when the lodgings will be visited on behalf of the University, and if they do not satisfy the prescribed conditions the student will be required to leave them.

No back-to-back houses will be regarded as fulfilling the prescribed conditions.

All communications with regard to lodgings should be addressed to The Supervisor of Lodgings, The University, Leeds.

THE UNIVERSITY HALLS OF RESIDENCE

The University has provided a number of Halls of Residence for men and women respectively. Students from all departments of the University are admitted, and the residents of each Hall are encouraged to take an active part in the social as well as the academic life of the University, and to maintain within the Halls the necessary discipline for themselves. Places are reserved in the Halls of Residence for Women for Recognised Students who are accepted by the Department of Education and cannot reside at home.

For Women

LYDDON HALL .. .. *Warden :* Miss A. B. MARCHBANK.

COLLEGE HALL .. .. *Warden :* Miss J. HOLGATE, B.A.

These Halls are close to the University and near the University tennis and fives courts.

OXLEY HALL .. .. *Warden :* Mrs. MOORMAN.

WEETWOOD HALL .. *Warden :* Mrs. REDMAN KING, B.Sc.

These Halls are situated in their own grounds, near the University Athletic Grounds, and are provided with their own tennis courts.

For Men

DEVONSHIRE HALL .. *Warden :* Professor STRONG.

Situated at Headingley in its own grounds and provided with its own tennis courts and football field.

Fees for Residence

(*a*) *Ordinary Students.*

Men : £64 per session of 32 weeks.

Residence beyond the above period, £2 per week.

Women: £54 to £63 (according to the accommodation chosen) per session of 32 weeks.

Residence beyond the above period, £1 14s. per week.

(*b*) *Recognised Students in Training.*

Grants are paid to the University by the Board of Education on behalf of Recognised Students who reside in one of the Halls of Residence. The fees for the session of 32 weeks, are :

Men—	£21
Women—	£20 to £29

Residence beyond the period of 32 weeks is charged for at the rate for ordinary students.

REFECTORY

For the convenience of students, dinners are served daily in the University Refectory, from 12.30 to 2 p.m. Cold meats may also be obtained after the latter hour ; tea, coffee, and other light refreshments up to 6 p.m.

Sessional and terminal tickets may be had on application to the Accountant, entitling students to dine at the Refectory, University Road, daily (except Saturdays) during the session or term. The cost of these tickets will be as follows :—

For men students—

£7 10s. per session, or £2 15s. per term for the first and second terms, and £2 10s. for the third term and

For women students—

£6 5s. per session, or £2 7s. 6d. per term for the first and second terms, and £2 for the third term.

CECIL DUNCOMBE OBSERVATORY

The Cecil Duncombe Observatory was opened on May 4th, 1906, by Dr. H. H. Turner, Savilian Professor of Astronomy in the University of Oxford. It is built on a site in Woodhouse Moor contributed by the Leeds City Council.

MATRICULATION EXAMINATION

All communications relating to this examination should be addressed to "The Secretary, Joint Matriculation Board, 315, Oxford Road Manchester."

The Matriculation examination is conducted by a Joint Board representing the Victoria University of Manchester, the University of Liverpool, the University of Leeds, the University of Sheffield, and the University of Birmingham. Candidates for degrees in any one of these Universities are required to have passed this examination, or to have obtained exemption therefrom, before beginning a degree course. Any application for exemption must be addressed to the Joint Matriculation Board, and must be accompanied by the certificate or certificates upon which the application is based. Grants of exemption will be subject to and conditional upon the payment of the registration fee of £2. The conditions which entitle a student to exemption from the Matriculation examination are fully set forth in the Matriculation syllabus. The examination is held in July and September of each year in the buildings of each University. The July examination is held at such other centres as the Board may authorise. Information as to the conditions may be obtained from the Secretary to the Joint Board.

The fee for the examination is £2. Cheques and postal and money orders should be made payable to "The Secretary, Joint Matriculation Board," and crossed "Williams Deacon's Bank, Ltd., Chorlton-on-Medlock Branch."

The Joint Matriculation Board also conduct the following special examinations in lieu of the Matriculation Examination as follows:

(A) *An examination for Persons of Mature Years.*

Applications under these Regulations must be made not later than May 1st, and candidates must be not less than 23 years of age on May 1st of their year of application. The candidate should give a short account of his educational attainments, and state the

Faculty and University he proposes to enter. The Board will interview the candidate, inquire into his educational and other records bearing on his application, and submit him to such examination, written or oral, or both, as they may consider necessary.

The examination fee is £2.

This form of examination is intended to meet *exceptional* cases of candidates who have had no opportunity of taking the ordinary Matriculation Examination (or similar exempting examinations) at the normal time, and who show promise of obtaining more than ordinary success in a University course.

The examination is not a formal one, and no subjects are prescribed or syllabus laid down. Further, it is not intended that a candidate should prepare himself for the examination, which will be decided largely on the results of the interview and of the inquiry into his educational antecedents. The examination test will vary according to the individual candidate, though every candidate will be asked to write an English Essay.

If a candidate has been interviewed, no portion of the fee of £2 is returnable, whether he is accepted or rejected.

Only *bona fide* students who intend to enter on a degree course at one of the five Universities are eligible for entry to this examination.

Unsuccessful candidates may not enter for the examination a second time.

(B) *An examination for candidates who have been engaged in Industry and Commerce, and who wish to proceed to a degree course at the University.*

A special examination will be held annually, in July, to meet the cases of candidates who, since leaving school, have been engaged in Commerce or Industry for a period of at least three years, and who have also, as students, attended systematic day or evening courses of instruction satisfactory to the Board for at least a period of three years.

The examination will provide a test of capacity at least as high as that of the ordinary Matriculation Examination. English (or History) and a Foreign Language are compulsory subjects.

Candidates must supply a statement, satisfactory to the Board, giving reasons why a Matriculation Certificate was not obtained before leaving school.

Candidates must have reached the age of 19 on or before June 30th preceding the examination.

Successful candidates will be awarded a Certificate entitling them to enter a specified Faculty of one of the five Universities, providing they satisfy any special requirement of the Faculty. The special requirements of the Faculties of the various Universities are set out in the Matriculation Syllabus. The Certificates will state in what subjects the candidate satisfied the Examiners.

Candidates for the examination must forward to the Secretary before the prescribed day :

1. Birth Certificate.
2. Duly authenticated statements dealing with
   (*a*) The employment in which they have been engaged.
   (*b*) The course of instruction which they have attended.
3. An Entry-Form (to be obtained from the Secretary) duly completed.
4. The fee of £2.

Applications for Entry-Forms and further details of the above examinations should be made to The Secretary to the Board, 315, Oxford Road, Manchester.

DEGREES IN ARTS

Ordinance 1. The degrees in Arts shall be:

Bachelor of Arts (B.A.)
Master of Arts (M.A.)
Master of Education (M.Ed).
Doctor of Philosophy (Ph.D.).
Doctor of Letters (Litt.D.).

DEGREE OF BACHELOR OF ARTS

2. The degree of Bachelor of Arts shall be conferred either as an Ordinary degree or as a degree with Honours.

3. All candidates for the degree of Bachelor of Arts shall be required to have passed the Matriculation examination, and thereafter to have pursued approved courses of study for not less than three academic years.

Regulations Candidates will not be admitted to the courses of study for the degree of Bachelor of Arts unless they have (1) passed the Matriculation examination in Latin, or (2) passed with " credit " in Latin in one of the recognised School Certificate examinations, or (3) passed in Latin as a Full or as a Subsidiary subject in one of the recognised Higher School Certificate examinations, provided that translation at sight from Latin into English forms part of the examination.

Candidates of non-European descent, who are natives of Asia or Africa, may be allowed to substitute one of the following languages for Latin, provided that they shall also give evidence of possessing a sufficient knowledge of English; Arabic, Sanskrit, Persian, Pali, Classical Chinese.

Ordinary Degree of Bachelor of Arts

Ordinance. 1. Every candidate shall be required, after Matriculation, to attend approved courses of study, and to pass the prescribed examination or examinations in *either* :—

(*a*) Three subjects for three years each, and one other subject for two years ; *or*

(*b*) Three subjects for three years each, and two other subjects for one year each ; *or*

(*c*) Two subjects for three years each, two other subjects for two years each, and one other subject for one year.

2. Candidates shall select their subjects from those specified in the *Regulations for the Ordinary Degree*, provided that :—

(*a*) Not less than four approved courses shall be attended in the first year, one of which shall be Greek or Latin, and not more than three of which may be languages other than English.

(*b*) One language other than English shall be included for not less than three years.

(*c*) One of the courses in Philosophy, Economics, or Law, specified for this purpose in the *Regulations*, shall be included for not less than one year.

(*d*) Not more than one of the Sciences specified in the *Regulations* may be included.

3. Candidates shall not be permitted to present themselves for examination in any subject unless they have regularly attended the prescribed course of study, and performed the work of the class to the satisfaction of the Professor or Lecturer.

Regulations

1. The subjects in which courses are approved for the Ordinary Degree are as follows :—

(*a*) Greek, Latin, Hebrew,
French, German, Spanish, Russian,
English, History, Economics,
Geography, Mathematics, Music.*

Approved courses in these subjects extend over either *one* year, *two* years, or *three* years.

* *Music* at present can only be taken as a one year course or a two years course.

(*b*) Logic, Psychology, Ethics, Political Theory, History of Ancient Philosophy, History of Modern Philosophy.

Approved courses in these subjects extend over *one* year only ; but where two or three are attended in separate years they may be taken as constituting approved *two* years or *three* years courses respectively for the purposes of *Ordinance, Article* (1).

Of these subjects only Logic may be studied in the first year.

(*c*) *Sciences* ;—Physics, Chemistry, Zoology, Botany, Geology.

Approved courses in these subjects extend over *one* year only.

2. Any course extending over one year for the degree of Bachelor of Arts with Honours in any School, may, with the sanction of the Board of the Faculty of Arts, be accepted as a *one* year course for the Ordinary degree.

3. The subjects approved as satisfying the condition laid down in *Ordinance, Article* (2) (*c*) are as follows :— Logic, Psychology, Ethics, Political Theory, History of Ancient Philosophy, History of Modern Philosophy, General Economics.

4. Candidates holding a Higher School Certificate in any subject selected for the Ordinary Degree may, subject to the approval of the Board of the Faculty of Arts, substitute for the course and examination for the first year in that subject those of the second year, and for the course and examination for the second year those of the third year. If the subject is studied for three years a more advanced course may then be attended in the third year, success in the examination in such course being recorded on the graduation certificate.

5. Subject to such other restrictions as are set forth in the Ordinances and Regulations, approved one year

or two years courses may be attended at any period subsequent to Matriculation.

6. Candidates may present themselves for examination in any subject when they have satisfactorily completed the course. Where subjects are studied for two years or three years candidates must pass the examination in the course appropriate to each year before proceeding to the course for the next year.

7. The examination in each Modern Foreign Language shall include an oral examination.

8. The examinations will ordinarily be held in June of each year, but supplementary examinations, confined to candidates completing the first year of their degree course, may also be held in September. No candidate will be admitted to a supplementary examination in any subject who has not already presented himself at the ordinary June examination in that subject, except with the special permission of the Senate.

N.B.—In 1930 the latest date of entry and payment of fees for B.A. degree examinations (ordinary and honours) held in June, will be SATURDAY, MARCH 1st.

Prescribed Courses

(The texts prescribed and the periods selected for study in certain subjects will be found set out in subsequent pages under "Courses in Arts.")

GREEK.

One Year Course :		Greek I
Two Years Course :	*1st year* :	Greek I
	2nd year :	Greek II
Three Years Course :	*1st year* :	Greek I
	2nd year :	Greek II
	3rd year :	Greek III

LATIN

One Year Course :		Latin I
Two Years Course :	*1st year* :	Latin I
	2nd year :	Latin II
Three Years Course :	*1st year* :	Latin I
	2nd year :	Latin II
	3rd year :	Latin III

HEBREW

One Year Course :		Hebrew I
Two Years Course :	*1st year :*	Hebrew I
	2nd year :	Hebrew II
Three Years Course :	*1st year :*	Hebrew I
	2nd year :	Hebrew II
	3rd year :	Hebrew III

FRENCH.

One Year Course :		French IA or B and Ic
Two Years Course :	*1st year :*	French IA or B and Ic
	2nd year :	French IIA and B
Three Years Course	*1st year :*	French IA or B and Ic
	2nd year :	French IIA and B
	3rd year :	French IIIA and IIB

GERMAN.

One Year Course :		German I and IIB
Two Years Course :	*1st year :*	German I and IIB
	2nd year :	German II and IIB
Three Years Course :	*1st year :*	German I and IIB
	2nd year :	German IIA and B
	3rd year :	German IIIA and IIB

SPANISH.

One Year Course :		Spanish I
Two Years Course :	*1st year :*	Spanish I
	2nd year :	Spanish II
Three Years Course :	*1st year :*	Spanish I
	2nd year :	Spanish II
	3rd year :	Spanish III

RUSSIAN.

One Year Course :		Russian I and IIB
Two Years Course :	*1st year :*	Russian I and IIb
	2nd year :	Russian II and IIB
Three Years Course :	*1st year :*	Russian I and IIB
	2nd year :	Russian II and IIB
	3rd year :	Russian III and IIB

ENGLISH

One Year Course :		English I(A) and (B)
Two Years Course :	*1st year :*	English I(A) and (B)
	2nd year :	English II(A) and (B)
Three Years Course :	*1st year :*	English I(A) and (B)
	2nd year :	English II(A) and (B)
	3rd year :	English III(A) and (B)

HISTORY.

One Year Course :		History IA or IB
Two Years Course :	*1st year :*	History IA or IB
	2nd year :	History IIA, B or C
Three Years Course :	*1st year :*	History IA or B
	2nd year :	History IIA, B, or C
	3rd year :	Two courses selected from IIIA, B, C, D, E

PHILOSOPHY.

One Year Course :		Any *one* of the following : Philosophy I, IIA, B, C, D, E
Two Years Course :	*1st* year *2nd year*	Any two of Philosophy I, IIA, B. C, D, E.
Three Years Course :	*1st year :*	Philosophy I.
	2nd year *3rd year*	Any *two* of Philosophy IIA B, C, D, E.

ECONOMICS.

One Year Course :		Economics I
Two Years Course :	*1st year :*	Economics I
	2nd year :	Economics II(E) and *one* of the following : (A), (B), (C), (D)
Three Years Course :	*1st year :*	Economics I
	2nd year :	Economics II(A) and (E).
	3rd year :	Economics II(F) and *one* of the following : (B), (C), (I)

GEOGRAPHY.

One Year Course :		Geography I
Two Years Course :	*1st year :*	Geography I
	2nd year :	Geography II
Three Years Course :	*1st year :*	Geography I
	2nd year :	Geography II
	3rd year :	Geography III

MATHEMATICS.

One Year Course :		Mathematics Intro.
Two Years Course :	*1st year :*	Mathematics Intro.
	2nd year :	Mathematics F1 and F2
Three Years Course :	*1st year :*	Mathematics Intro.
	2nd year :	Mathematics F1 and F2
	3rd year :	Mathematics F3 and F4

MUSIC.

One Year Course :		Music I
Two Years Course :	*1st year :*	Music I
	2nd year :	Music II

SCIENCES.

Physics
Chemistry
Geology
Botany
Zoology

} The Introductory course in these subjects forms the prescribed one year course.

Degree of Bachelor of Arts with Honours

Ordinance.

1. Candidates for the degree of Bachelor of Arts with Honours shall, except as hereinafter stated, be required to furnish certificates of having attended courses of instruction approved by the University and extending over not less than three academic years in one of the Honours Schools of the University hereafter enumerated.

2. Every candidate for the degree of Bachelor of Arts with Honours shall be required to present himself for examination at the end of the third or fourth academic year from the time when he has entered upon one of the courses of instruction approved by the University for such degree, unless he shall present a medical certificate of illness satisfactory to the Senate. This examination shall ordinarily be held in June of each year.

3. Candidates for the degree of Bachelor of Arts with Honours may present themselves for examination in any of the following Honours Schools on furnishing certificates of having pursued, to the satisfaction of the Senate, the courses required for such Honours Schools in the University, viz :

Classics
Greek.
Greek—English.
Latin.
Latin—English.
Latin—French.
Latin—Spanish.
English Language and Literature
Modern Languages and Literatures
French Language and Literature
German Language and Literature
Russian Language and Literature
Spanish Language and Literature
History
Geography
Philosophy
Economic and Political Science
Mathematics

4. Candidates who have completed the courses and passed the final examinations prescribed for the Ordinary degree of Bachelor of Arts may, with the sanction of the Senate, proceed to the degree of Bachelor of Arts with Honours in any School after one or two years attendance in such School, provided that the attendance is given in the year or years immediately following the completion of their courses and examinations for the Ordinary degree.

5. No candidate for a degree of Bachelor of Arts with Honours shall be admitted more than once to examination in the same Honours School; but students who have passed the Final examination in any of the Honours Schools may be admitted to the Final examination in any other Honours School after the expiration of one or two years, on presenting certificates of having attended during the period in question, courses approved by the University.

Provided that in the said other Honours School selected, candidates shall not present themselves for the Final examination more than two academic years after the Final examination in Honours already passed by them, and also that no candidate be admitted to examination in any Honours School after a longer period than five years has elapsed since the date of his first entrance upon a prescribed course of study for an Honours School.

6. Names of candidates who have passed the examination for the degree of Bachelor of Arts with Honours shall be published in such form as to distinguish the Honours School in which severally they may have passed; the names of those who have passed in Honours being drawn up in three classes, and each class being arranged in alphabetical order.

7. Candidates who have not acquitted themselves so as to deserve Honours may be excused the whole or such part of the examinations for the Ordinary degree as the Senate may determine.

8. Candidates for the degree of Bachelor of Arts with Honours who at the end of their first year are unable to continue their Honours course may proceed to the Ordinary degree of Bachelor of Arts; and it shall be in the power of the Senate to accept their attendance on the courses prescribed for the first year in any Honours School in place of the attendance prescribed in the *Ordinance for the Ordinary degree of Bachelor of Arts, Article* (2) (*a*); provided that every such candidate shall include at some stage a course and examination in Greek or Latin for not less than one year.

Regulations. In Honours schools for which a qualifying examination at the end of the first year of study is prescribed such examinations will ordinarily be held in June of each year; but candidates who do not pass in all of the required subjects of a qualifying examination may be admitted to supplementary examinations held in September in the subject or subjects in which they have failed. No candidate will be admitted to a supplementary qualifying examination in any subject who has not already presented himself in his first year at the ordinary June examination in that subject, except with the special permission of the Senate.

Classics

Candidates for the degree of Bachelor of Arts with Honours in Classics shall be required to pursue courses of study and to submit themselves for examination in the following subjects:

Translation from prescribed Greek and Latin books.
Translation at sight from Greek and Latin authors.
Greek and Latin Composition.
Greek and Latin Literature.
Two of the following:
- Ancient History.
- Ancient Philosophy.
- A special subject connected with Greek or Latin literature.

Attendance in the subjects of the School shall be required as follows: Not less than ten hours a week in the first and second years, and eight hours a week in the third year.

The attendance on courses required for the first year for the Ordinary degree of Bachelor of Arts, may also be accepted by the Senate in place of the above attendance for the first year, provided that the subjects chosen by the candidate are substantially and to the satisfaction of the Board of the Faculty of Arts those required for the Course for the first year in the Honours School of Classics.

Examination

Greek Prose Composition, one paper.
Latin Prose Composition, one paper.
Greek Unprepared Translation, one paper.
Latin Unprepared Translation, one paper.
Translation from prescribed Greek books, with questions on grammar and subject matter, two papers.
Translation from prescribed Latin books, with questions on grammar and subject matter, two papers.
Critical and Essay paper.
Two of the following:
Ancient History, one paper.
Ancient Philosophy, one paper.
Special subject in Greek or Latin Literature, one paper.
Greek and Latin Verse Composition, one paper (optional).

Honours Classics:

GREEK:

Books prescribed for 1929-30

Homer, *Odyssey*, i-vi; Pindar, *Nemean Odes*; Aeschylus, *Prometheus Vinctus*, **Agamemnon*; Sophocles, *Antigone*; Euripides, **Bacchae*; Aristophanes, **Frogs*; Herodotus viii; Thucydides, *iii; Plato, *Phaedo*; Selected Epigrams from the Greek Anthology; Demosthenes, **De Corona*, *Pro Phormione*, *Contra Stephanum I*, *II*, *Contra Calliclem*; Aristotle, *Poetics*; Theocritus, i, ii, xv, xvii.

LATIN:

Books prescribed for 1929-30

(*a*) Plautus **Captiui*, Lucretius *iii, Horace *Odes* *iii, Martial *i-vi (Bridge and Lake's Edition), Livy *ii, Cicero *de oratore* *ii.

(*b*) Catullus (Simpson's Edition), Virgil *Eclogues*, *Aeneid* vii, viii, Horace *Odes and Epodes*, Lucan viii, Juvenal (Duff's Edition), Cicero *de oratore* i, *Philippics* ii, Tacitus *Annals* i, ii, Suetonius *Iulius Augustus Tiberius*, Quintilian x.

Books prescribed for 1930-31

(*a*) Plautus **Captiui*, Virgil *Aeneid* *viii, Propertius *iii, Martial *i-vi (Bridge and Lake's Edition), Livy *ii, Pliny *Letters* *vi.

(*b*) Lucretius iii, Catullus (Simpson's Edition), Virgil *Georgics*, Horace *Epistles* ii, *Ars Poetica*, Juvenal (Duff's Edition), Cicero *de oratore* ii, *Philippics* ii, Tacitus *Histories* i, ii, Suetonius *Iulius Augustus Tiberius*, Quintilian x.

Books prescribed for 1931-32.

(*a*) Plautus **Mostellaria*, Virgil *Aeneid* *viii, Horace *Odes* *i, *ii, Propertius *iii, Cicero *de oratore* *iii, Pliny *Letters* *vi.

(*b*) Lucretius i, Catullus (Simpson's Edition), Virgil *Georgiçs*, Horace *Epistles* ii, *Ars Poetica*, Juvenal (Duff's Edition), Martial i-vi (Bridge and Lake's Edition), Cicero *Letters* (Tyrrell's Edition), Livy ii, Tacitus *Annals* iv, *Histories* i, Quintilian x.

N.B.—The books marked with an asterisk are to be studied with special care in all their bearings, textual, grammatical, literary, historical, etc.

Greek

Candidates for the degree of Bachelor of Arts with Honours in Greek shall be required to pursue courses of study and to submit themselves for examination in the following subjects :—

1. Prescribed books with literary, historical and grammatical questions arising out of them (as for Honours in Classics). (2 papers).
2. Additional prescribed books with textual, literary, historical and grammatical questions arising out of them. (1 paper).
3. Translation from further Greek authors. (1 paper).
4. General paper including questions on Greek literary criticism and antiquities, syntax and metre. (1 paper).
5. Greek unprepared translation. (1 paper).
6. Greek prose composition. (1 paper).
7. A period of Greek history to be studied in connexion with the original authorities. (1 paper).
8. Development of the Greek language with an elementary knowledge of the dialects. (1 paper).

9. One of the following. (1 paper) :—
   (*a*) History of Greek syntax.
   (*b*) Outlines of Greek philosophy.
   (*c*) Greek life and manners (with some reference to Inscriptions).
   (*d*) The special study of an author or one of the following types of literature :—(1) Homeric poems ; (2) Greek lyric poetry ; (3) Greek drama in the 5th century ; (4) Greek oratory, with special reference to Demosthenes.
   (*e*) Greek sculpture *or* vase painting.
   (*f*) Greek art and architecture.
   (*g*) Greek verse composition.

Attendance in the subjects of the school shall be required as follows. During the first year not less than 7 hours a week, during the second year not less than 9 hours a week and during the third year not less than 7 hours a week.

Candidates (other than those who have already completed the course for an Honours degree in Latin) may, in place of a certain number of the books prescribed in Greek, be permitted to substitute a certain number of the books prescribed for the course in Honours in Latin to be specified from year to year.

Special requirements :—

(1) Candidates are required to attend at least a Two Years course in Latin as prescribed in the Regulations for the Ordinary Degree and pass the prescribed examinations in that subject.

(2) Candidates are required to attend at least One Year courses and to pass the prescribed examinations in (*a*) Ancient History and (*b*) one of the following subjects :—English, French, German or any other subject approved by the Board of the Faculty of Arts.

Greek—English

Candidates for the degree of Bachelor of Arts with Honours in Greek—English shall be required to pursue courses of study and to submit themselves for examination in the following subjects :—

A. Greek.

1. The Greek books prescribed for Honours in Classics. (2 papers).
2. A general paper including questions on Greek history, literary criticism and antiquities, syntax and metre. (1 paper).
3. Greek unprepared translation. (1 paper).
4. Greek prose composition. (1 paper).
5. One of the following (1 paper) :—
   (*a*) The *Poetics* of Aristotle and history of the Greek drama.
   (*b*) The development of the Greek language with an elementary knowledge of the dialects.

(*c*) Outlines of Ancient philosophy.
(*d*) Greek Art and Architecture.
(*e*) Greek life and manners.
(*f*) Latin unprepared translation to the Three Years course standard, together with certain books prescribed by the Board of the Faculty of Arts.

B. ENGLISH, as for English (Modern Languages Honours).

Attendance in the subjects prescribed for the above degree shall be required as follows :—Not less than 10 hours a week in the first and second years and 8 hours a week in the third.

Students will be required to attend at least One Year courses as prescribed in the Regulations for the Ordinary Degree and to pass the prescribed examination in (*a*) Latin and (*b*) one other subject approved for the Ordinary degree.

Latin

Candidates for the degree of Bachelor of Arts with Honours in Latin shall be required to pursue courses of study and to submit themselves for examination in the following subjects :—

1. Prescribed books with textual, literary, historical and grammatical questions arising out of them (as for Honours in Classics). (1 paper).
2. Prescribed books with literary, historical and grammatical questions arising out of them (as for Honours in Classics). (1 paper).
3. Translation from further Latin authors, including Terence, Virgil and Horace. (1 paper).
4. General paper including questions on Latin literary criticism, syntax and metres, and Roman antiquities. (1 paper).
5. Latin unprepared translation. (1 paper).
6. Latin prose composition. (1 paper).
7. A period of Roman history studied in connexion with the original authorities. (1 paper).
8. Development of the Latin language with an elementary knowledge of the Italic dialects. (1 paper).
9. One of the following (1 paper) :—
   (*a*) History of Latin syntax from Plautus to Tacitus.
   (*b*) Stoicism and Epicureanism in Roman life and thought.
   (*c*) Roman life and manners (with some reference to inscriptions).
   (*d*) A special study of an author or part of an author or one of the following types of literature :—(i.) epic poetry, with special knowledge of the fragments of Livius Andronicus, Naevius and Ennius ; (ii.) satire, with

special knowledge of the fragments of Lucilius; (iii.) dramatic poetry with special knowledge of the fragments of Latin dramatic poetry; (iv.) oratory, with special knowledge of the fragments of Latin oratory.

(*e*) Latin verse composition.

(*f*) Greek Art and Architecture.

Attendance in the subjects of the school shall be required as follows:—During the first year not less than seven hours a week, during the second year not less than nine hours a week, and during the third year not less than seven hours a week.

Candidates (other than those who have already completed the course for an Honours degree in Greek) may, in place of a certain number of the books prescribed in Latin, be permitted to substitute a certain number of the books prescribed for the course in Honours in Greek to be specified from year to year.

Special Requirements:—

(1) Candidates are required to attend at least a Two Years course in Greek, as prescribed in the Regulations for the Ordinary Degree and to pass the prescribed examinations in that subject.

(2) Candidates are required to attend at least One Year courses and to pass the prescribed examination in (*a*) Ancient History and (*b*) one of the following subjects:—English, French, German, Spanish, any other subject approved by the Board of the Faculty of Arts.

Latin—English, Latin—French, Latin—Spanish

Candidates for the degree of Bachelor of Arts with Honours in any one of the above-mentioned groups of subjects shall be required to pursue courses of study and to submit themselves for examination in the following subjects:—

I. LATIN—ENGLISH.

A. Latin.

1. Latin prose composition. (1 paper).
2. Latin unprepared translation. (1 paper).
3. The Latin books prescribed for Honours in Classics. (2 papers).
4. A general paper, including questions on Latin literary criticism, syntax and metres, and Roman antiquities. (1 paper).
5. One of the following:—
   (*a*) Colloquial Latin and inscriptions.
   (*b*) Development of the Latin language with an elementary knowledge of the Italic dialects.
   (*c*) A period of imperial history.

(*d*) Outlines of Ancient Philosophy.
(*e*) Roman life and manners (with some reference to inscriptions).
(*f*) Latin literary criticism.
(*g*) Greek unprepared translation to the Three Years' Course standard together with the translation of certain Greek books prescribed by the Board of the Faculty of Arts.

B.—English, as for English (Modern Languages Honours).

II. LATIN—FRENCH.
A.—Latin, as under I.
B.—French, as for French (Modern Languages Honours).

III. LATIN—SPANISH.
A.—Latin, as under I.
B.—Spanish, as for Spanish (Modern Languages Honours).

Attendance in the subjects prescribed for the above degrees shall be required as follows:—Not less than ten hours a week in the first and second years and eight hours a week in the third. Students will be required to attend at least One Year Courses and to pass the prescribed examinations in two subjects other than those of their Honours courses, approved for the Ordinary degree of Bachelor of Arts. Candidates in the Latin—English group must take Greek as one of these subjects. They may substitute for the One Year course in Greek as prescribed in the Regulations for the Ordinary Degree a special First Year Course in Greek, leading up to an examination the standard of which is such as is reasonably likely to be attained in a year's study of the language: such candidates will be required before they take their Final Examination to satisfy the Professor of Greek that they have attained in Composition and Unseen Translation a standard equal to that required for Greek at the Ordinary One Year Course Examination.

English Language and Literature

Candidates for the degree of Bachelor of Arts with Honours in English Language and Literature shall be required to pursue courses of study and to submit themselves for examination as follows:—

There shall be alternative schemes of study, A and B: *Scheme A*, in which special attention will be paid to Literature; and *Scheme B*, in which special attention will be paid to Language.

Under both schemes the course of study for the first academic year shall normally include: Greek *or* Latin; English Literature; English Language and

Early English Literature ; and any *two* of the following : a Modern Language ; Modern History ; Modern Philosophy ; Music—five subjects in all.

A qualifying examination in these subjects will be held at the end of the first year which must normally be passed by candidates before they proceed to further study.

Some modification of the course and examination required for the first year may be made, subject to the approval of the Board of the Faculty of Arts, for candidates who have obtained a Higher School Certificate.

The attendance on courses required for the first year for the Ordinary degree of Bachelor of Arts, and the prescribed examinations in such courses, may also be accepted by the Senate in place of the above course and qualifying examination, provided that candidates must satisfy the head of the department of English that they possess a sufficient knowledge of English Language to enable them to profit by the subsequent courses in that subject.

Scheme A

Candidates shall be required to attend the following courses in the subjects of the School : in the first year, three hours a week in English Literature, and three hours a week in English Language ; in the second year, not less than six hours a week in English Literature and Language ; in the third year, not less than five hours a week in English Literature and Language.

The first year course in English Language will comprise the outlines of the History of the English Language to the close of the Fourteenth Century, and the special study of West Saxon texts and of the language of Chaucer.

For details of the first year courses in literature and language, see under Courses in Arts, in subsequent pages.

Final Examination

Translation of unseen passages in Old and Middle English, with literary and historical questions, one paper.
Selected texts in Old and Middle English, with literary and historical questions suggested by them, one paper.
Chaucer, one paper.
Outlines of the History of English Literature, one paper.

Outlines of the History of the English Language, one paper.
Special period of English Literature, studied in selected texts and with reference to contemporary authorities, two papers.
An English author (usually Shakespeare or Milton), or selected subject from English Literature, one paper.
History of Criticism, with selected texts, one paper.
Oral examination.

In addition, candidates shall be required to present a dissertation on a subject approved by the Board of the Faculty of Arts.

Texts and Period selected for 1929-30

(*a*) Selected Texts in Old and Middle English: **Beowulf* (ed. Klaeber: Heath and Co.); *Sweet, *Anglo-Saxon Reader* (9th edn.) Sections I and II (omitting selections iii, v, xi, xii, xiii, xx, xxiv, xxviii); **Sir Gawain and the Green Knight* (ed. Tolkien and Gordon, Oxford); *Lay of Havelock the Dane (ed. Skeat and Sisam, Oxford); Sisam, *Fourteenth Century Verse and Prose* (Oxford) (omitting selections iv, v, xi, xiii*a*, xiv, xvi).

Texts marked * will be the subjects of special courses and are proposed for study in all their bearings, literary, linguistic, and historical.

(*b*) Recommended for additional reading: *Pearl* (ed. Osgood, Heath); *Selections from Layamon's Brut* (ed. Hall, Oxford).

(*c*) General knowledge of the following, which may be read in translation, will be expected: Tacitus, *Germania*; *The Mabinogion* (trans. Guest); Geoffrey of Monmouth, *Histories of the Kings of Britain* (trans. S. Evans, Temple Classics); *The Laxdale Saga* (trans. Press, Dent) *The Story of Burnt Njal* (trans. Dasent, Everyman); *Volsunga saga* (trans. Morris and Magnusson, Scott Library).

(*d*) Chaucer: general knowledge of the complete works, and of their language and metre, with special study of *Troilus and Cryseyde, The Parlement of Foules, The Reves Tale, The Squieres Tale, The Frankeleyns Tale.*

(*e*) Special Period: 1579-1645.

(*f*) Texts for study with Special Period: Sidney, *Astrophel and Stella; Arcadia;* Spenser, *The Shepheardes Calendar;* Browne, *The Shepheards Pipe;* Drayton, *Nimphidia; Epistle to Henry Reynolds; The Muses Elysium;* Drummond, *Poems;* Wither, *The Shepheards Hunting;* Denham, *Coopers Hill;* Donne, *Anniversaries;* Selected prose (Nonesuch or Pearsall Smith); Campion, *Poems; Observations in the Art of English Poesie;* Herbert, *The Temple;* Ault, *Seventeenth Century Lyrics;* Bacon, *The History of Henry*

VII; Greene, *Pandosto*; Lodge, *Rosalynde*; Dekker, *The Guls Hornbook*; Earle, *Microcosmographie*; King James I., *A Counterblast to Tobacco*; Hooker, Ecclesiastical Polity, Book i; Authorized Version, *Apocrypha*; Hakluyt, *Voyages of Hawkins, Frobisher, Drake, Gilbert, Cavendish, Raleigh*; Jonson, *Conversations with Drummond*; Harrison, *Description of England* (Scott Library); Harman, *A Caveat for Common Corsetors*; Nashe, *Pierce Penilesse his Supplication to the Divell*; Raleigh, *The Last Fight of the Revenge*; Florio, *The Essayes of Montaigne*; Herbert of Cherbury, *Autobiography*; Fulke Greville, *Life of Sydney*; Walton, *Life of Donne*; *Shorter Elizabethan Novels* (Everyman); Lyly, *Campaspe*; Peele, *King David and Fair Bethsabe*; Greene, *The Scottish Historie of James the Fourth*; 'Beaumont and Fletcher,' *Wildgoose Chase*; *The Two Noble Kinsmen*; *The Faithful Shepherdesse*; Jonson, *The Sad Shepherd*; *The Masque of Queens*; *Catiline*; *Epicœne*; Chapman, *Al Fooles*; *Bussy D' Ambois*; *Widow's Tears*; Dekker, *Old Fortunatus*; Heywood, *A Woman Kilde with Kindnesse*; Marston, *Antonio and Mellida*; Massinger, *The Duke of Milan*; *The City Madam*; Ford, *Perkin Warbeck*; Shirley, *The Traitor*; Middleton and Rowley, *Women beware Women*; *The Changeling*; Porter, *The Two Angrie Women of Abington*; and *The Merry Devill of Edmonton*; *Arden of Feversham*; *Eastward Hoe*; *The Revengers Tragedie*; *The Witch of Edmonton*.

(*g*) Special Author: Milton.

(*h*) History of Criticism:

Special Texts suggested for study: Aristotle, *Poetics*; Horace, *Ars Poetica*; Longinus, *On the Sublime*; Dante, *De Vulgari Eloquentia*, *Convivio*; du Bellay, *Deffence et Illustration de la Langue françoyse*; Sidney, *Apologie for Poetrie*; Ben Jonson, *Discoveries*; Dryden, *Essay of Dramatic Poesy*; Boileau, *L'Art poétique*; Johnson, *Preface to Shakespeare*; Burke, *On the Sublime and Beautiful*; Lessing, *Laokoōn*; Wordsworth, Prefaces and Appendices to *Lyrical Ballads*; Shelley, *Defence of Poetry*; Coleridge, *Biographia Literaria*; Charles Lamb, Literary Criticisms; Victor Hugo, *Préface de Cromwell*; Arnold, *Essays in Criticism*.

Scheme B

Candidates shall be required to attend the following courses in the subjects of the School: (i) during three academic years courses in English Language, including the History of the Language and Early English prose and verse, such courses amounting to not less than three hours a week for the first year and not less than four

hours a week for the second and third years; (ii) during two academic years courses of three hours a week on periods of English Literature; (iii) during one academic year a course on the Outlines of English Literary History.

Candidates shall also be required to attend an approved course in *one* of the following subjects: Gothic, Old Icelandic, Modern Icelandic, Old High German, Old French, Vedic Philology, Mediaeval Welsh, Russian and Old Bulgarian, Latin Philology, Elementary Palaeography.

First year courses in English Language: as for Scheme A.

Final Examination

Translation of unseen passages in Old and Middle English, with literary, historical, and linguistic questions one paper.

Old and Middle English Philology, one paper.

Selected texts in Old and Middle English, with literary, historical and linguistic questions suggested by them, two papers.

Outlines of the History of English Literature, one paper.

Chaucer, one paper.

An English author (usually Shakespeare or Milton), or selected subject from English literature, one paper.

History of the English language, with reference to allied languages and to the general principles of linguistic study, one paper.

A paper on *one* of the following: Gothic, Old Icelandic, Modern Icelandic, Old High German, Old French, Vedic Philogy, Mediaeval Welsh, Russian and Old Bulgarian, Latin Philogy, Elementary Old and Middle English Palæography.

Oral examination.

In addition Candidates shall be required to offer one of the above subjects (Gothic, Old Icelandic, &c.) not already taken, *or* to present a dissertation on a subject approved by the Board of the Faculty of Arts.

NOTE:—Students are requested to give notice of their choice of subject, or subjects, not later than the beginning of their second year. Courses in Old Icelandic and Gothic are given in the department each year; courses in any other of the above subjects may be arranged through Professor Gordon.

Texts for 1929-30.

(*a*) Selected Texts in Old and Middle English: *Beowulf* (ed. Klaeber: Heath and Co.); *Widsith; Waldere; Deor's Lament; Finnsburh fragment:* Sweet's *Anglo-Saxon Reader;* Sweet's *Second Anglo-Saxon Reader* (selections); *Sir Gawain and the Green Knight* (ed.

Tolkien and Gordon); *Lay of Havelok the Dane* (ed. Skeat and Sisam, Oxford); Sisam, *Fourteenth Century Verse and Prose* (Oxford); *The Owl and the Nightingale* (ed. Wells); Hall, *Early Middle English*, Pt. I. (Oxford).

(*b*) Additional Texts (recommended for voluntary reading): *The Later Genesis* (ed. Klaeber, Heidelberg); *Selections from Layamon's Brut* (ed. Hall, Oxford); *Floris and Blancheflur* (ed. Taylor, Oxford); *Pearl* (ed. Osgood).

(*c*) Chaucer: as for Scheme A.

(*d*) Outlines of the History of English Literature:
A general knowledge of English Literature from the earliest times. For books specially recommended see under Courses in Arts in subsequent pages.

(*e*) Special Author: Shakespeare.

(*f*) Old Icelandic: Gordon, *Introduction to Old Norse* (Oxford); *Bandamanna saga*; *Brennu-Njals saga* (selections).

(*g*) Modern Icelandic: Jónsson, *A Primer of Modern Icelandic*; Nordal, *Íslensk Lestrarbók*; Thoroddsen, *Madur og Kona*; Johann Sigurjónsson, *Fjalla-Eyvindur*; Bogi Melsted, *Stutt Kenslubok Islendinga Sögu*.

(*h*) Gothic: Wright, *Gothic Grammar* (Oxford); Bradley, *The Goths*.

(*i*) Vedic Philology: Macdonell, *A Vedic Grammar for Students* (Oxford); *A Vedic Reader for Students* (Oxford).

(*k*) Mediaeval Welsh: Strachan, *An Introduction to Early Welsh*; *Pedeir Keinc y Mabinogi* (ed. Mühlhausen).

(*l*) Latin Philology: Meillet, *Esquisse d'une Histoire de la langue Latine* (Paris, 1928), Lindsay, *Short Historical Latin Grammar* (Oxford); Ernout, *Recueil de Textes Latins Archaïques* (Paris, 1916).

(*m*) Russian and Old Bulgarian: Forbes, *Russian Grammar* (Oxford); Meyer, *Historische Grammatik der russischen Sprache* (Bonn, 1923); Leskien, *Handbuch der altbulgarischen sprache*; Dearmer and Tananevich, *First Russian Reader* (Oxford), Duff, *Russian Lyrics* (Cambridge).

(*n*) Old and Middle English Paleography: Keller, *Angelsächsische Paleographie*; Maunde Thompson, *Introduction to Greek and Latin Palaeography*; Johnson and Jenkinson, *English Court Hand* 1066-1500.

Modern Languages and Literatures

Candidates for the degree of Bachelor of Arts with Honours in Modern Languages shall be required to pursue courses of study and to submit themselves for ex-

amination in any *two* of the following subjects : French, German, English, Spanish, Russian.

Candidates shall also be required to study auxiliary subjects, of which Latin or Greek shall ordinarily form part. Exemptions may be granted to specially qualified candidates.

The names of candidates, who, being placed in the First or Second Class, have shown conspicuous merit shall be distinguished in the class list by some mark to indicate the subject or subjects in which they have shown such merit.

I. French or German or Spanish or Russian.

The course of study and subjects of examination in French or German or Spanish or Russian shall be : Prescribed texts of various periods, studied from a literary and linguistic standpoint ; literature ; history of the language ; translation ; institutions.

Candidates taking French or German or Spanish or Russian shall be required to attend all the lectures in the two subjects selected from the Honours School.

II. English :

For students in the Honours School of Modern Languages there shall be in the English portion of their course alternative schemes of study, A and B, related to the schemes of study in the Honours School of English. In Scheme A, special attention will be paid to Literature. In Scheme B, special attention will be paid to Language (including the literary and linguistic study of Old and Middle English).

Candidates will be required to attend :—

(i) During their first year, courses of not less than three hours a week in English Language, and three hours a week in English Literature and Composition ;

(ii) During their second and third years, courses of not less than five hours a week in English Language and Literature, the proportion to be determined by the Candidate's choice of scheme and of subjects within the scheme.

Examination

The examination in each subject of the School shall consist of an oral examination and of the following papers:

FRENCH OR GERMAN:

Composition and Essay, one paper.
Unprepared Translation, one paper.
Prescribed Texts of before 1500, with literary and linguistic questions, one paper.
Prescribed Texts of after 1500, with literary and linguistic questions, one paper.
Literature, one paper.
Grammar: History of the language and versification, one paper.

RUSSIAN:

Composition and Essay, one paper.
Unprepared Translation, one paper.
Prescribed Texts before 1500, with literary and linguistic questions, one paper.
Prescribed Texts of after 1500, with literary and linguistic questions; The history of the language; one paper.
Prescribed Texts of XIX century literature, with literary questions, one paper.
Russian History and the history of Russian literature, one paper.

SPANISH:

Composition and Essay, one paper.
History and Institutions of Spain and Unprepared Translation, one paper.
Prescribed Texts of before 1500, with literary and linguistic questions, one paper.
Prescribed Texts of after 1500, with literary and linguistic questions, one paper.
Literature, one paper.
Grammar, History of the language and versification, one paper.

ENGLISH. SCHEME A.

Outlines of the History of English literature, one paper.
History of Criticism with selected texts, one paper.
Selected texts in Old and Middle English, one paper.
Translation of unseen passages in Old and Middle English (as for Honours English Scheme A.), one paper.
Two papers selected from the following:—
  Chaucer, one paper.
  Shakespeare or Milton, one paper.
  Outlines of the History of the English Language (as for Honours English Scheme A.), one paper.
  Special period of English literature studied in contemporary texts, and with reference to contemporary authorities, two papers.

ENGLISH. SCHEME B.

Outlines of the History of English Language (as for Honours English Scheme A.), one paper.
Selected Texts in Old and Middle English, one paper.
Translation of unseen passages in Old and Middle English (as for Honours English Scheme B.), one paper.
Two papers selected from the following :—
Outlines of the History of English Literature, one paper.
Chaucer, one paper.
Shakespeare or Milton, one paper.
Special period of English Literature (as above), two papers.
A paper on one subject selected from the following :—
Germanic Philology, with special reference to Old English ; Old and Middle English Philology (as for Honours English Scheme B) ; or any of the special subjects laid down for English Honours Scheme B, except that Candidates taking French may not select Old French, and Candidates taking German may not select Old High German, and candidates taking Russian may not select Russian and Old Bulgarian.

I. FRENCH

Books and Periods prescribed for 1929-30

Books before 1500 : A certain number of texts including *Le vair palefroi ; Tristan ; Coronement Loois ;*
Books after 1500 : Selected authors of the Sixteenth Century; Corneille, *Le Cid, Polyeucte ;* Molière, *Le Misanthrope, Les Femmes Savantes ;* Racine, *Britannicus ;* Pascal, *Provinciales ;* Rousseau, *Lettre sur les Spectacles* and *Extraits ;* Victor Hugo, *Notre Dame ;* Leconte de Lisle, *Poèmes Barbares.*
Periods of Literature :
(*a*) French Tragedy from 1550 to 1700.
(*b*) French Classical Comedy from 1550 to 1700.
(*c*) Rousseau, La vie et les oeuvres.

II. GERMAN:

Books and Periods prescribed for 1929-30

Books before 1500 : Braune, *Althochdeutsches Lesebuch*, ii, iv, vi, ix, xv, xvi (1–8), xvii, xxiii (1–5), xxviii–xxxi, xxxii (1, 4, 21), xxxiii, xxxiv, xxxvi, xxxx ; Bartsch, *Das Nibelungenlied* (Deutsche Klassiker des Mittelalters), *Liederdichter*, xxi ; Wright, *Middle High German Primer* iii, vii (Clarendon Press) ; *Meier Helmbrecht*, ed. Panzer.
Books after 1500 : Keller, *Ausgew, Werke des Hans Sachs* (Diesterweg, Frankfort) ; Goethe, *Faust I.*, ed. Thomas ; Kleist, *Der zerbrochene Krug ;* Schiller, *Wallenstein*, i, ii, Pitt Press ; Grillparzer : *Das goldene Vliess*, Schöningh ; Fiedler, *Book of German Verse* (Clarendon Press) ; Hauptmann, *Der Biberpelz* and *Die versunkene Glocke.*
Period of Literature : 1740-1832.

Books and Periods prescribed for 1930-31.

Books before 1500 : as for 1929-30.

Books after 1500 : as for 1929-30. But substituting Hebbel's *Nibelungen* and Lessing's *Emilia Galotti* (Ginn & Co.) for Grillparzer : *Das goldene Vliess.*

Period of Literature : 1740-1832.

III. ENGLISH :

(*a*) Language

Texts selected for 1929-30

Old and Middle English : as for English Honours, Scheme A.

(*b*) Literature

Texts and Periods selected for 1929-30

(*a*) Outlines of the History of English Literature.

(*b*) Special period and texts as for English Honours, Scheme A.

French Language and Literature

Candidates for the degree of Bachelor of Arts with Honours in French Language and Literature shall be required to pursue courses of study and to submit themselves for examination as follows :—

The course of study for the first academic year shall normally include the following four subjects : (1) French Language and Literature ; (2) Latin, German, *or* Spanish ; (3) a second subject from (2) *or* English Literature, Economics, *or* another approved subject ; (4) Modern History with special reference to France.

A qualifying examination in these subjects will be held at the end of the first year which must normally be passed by candidates before they proceed to further study.

Some modification of the course and examination required for the first year may be made, subject to the approval of the Board of the Faculty of Arts, for candidates who have obtained a Higher School Certificate, but all candidates will be required to attend the lectures on Modern History with special reference to France.

During the second year candidates shall be required to attend courses in the subjects of the School of not less

than eight hours a week, such courses to include lectures on (*a*) French Institutions, (*b*) the Geography of France.

The third term of the second year will normally be spent at the University of Caen or some other approved French University.

During the third year candidates shall be required to attend courses in the subjects of the School of not less than eight hours a week, such courses to include additional lectures on Literature.

Candidates may be required in any year to attend courses of lectures given in other Departments which may be helpful to their studies in the subjects of the School.

In addition to the subjects of the School, each candidate will be required to pursue a prescribed course in one other subject included in the Faculty of Arts and approved by the head of the department of French, for a period extending over three years. At the end of his third year, he must present himself for examination in this subsidiary subject as for a three years subject for the Ordinary degree of Bachelor of Arts. The Class obtained by him in the Honours School will not be published until he has satisfied the examiners in this subsidiary subject ; but in the event of his failure to do so, he may present this subject alone at any subsequent examination.

Final Examination

The examination shall consist of an oral examination and of the following papers :—

Prescribed texts of before 1500 with literary and linguistic questions, one paper.

Prescribed texts of after 1500 with literary and linguistic questions, one paper.

Essay and Composition, one paper.

Unprepared translation, one paper.

History of the language and versification, one paper.

Literature, two papers.

History and Institutions of France, one paper.

In addition, candidates shall be required to present a dissertation on a subject approved by the Board of the Faculty of Arts.

German Language and Literature

Candidates for the degree of Bachelor of Arts with Honours in German Language and Literature shall be required to pursue courses of study and to submit themselves for examination as follows :—

The course of study for the first academic year shall normally include the following four subjects : (1) German Language and Literature ; (2) Latin, French *or* English Language ; (3) a second subject from (2), *or* English Literature, Economics, *or* another approved subject ; (4) Modern History with special reference to Germany.

A qualifying examination in these subjects will be held at the end of the first year which must normally be passed by candidates before they proceed to further study.

Some modification of the course and examination required for the first year may be made, subject to the approval of the Board of the Faculty of Arts, for candidates who have obtained a Higher School Certificate, but all candidates will be required to attend the lectures on Modern History with special reference to Germany.

During the second year candidates shall be required to attend courses in the subjects of the School of not less than eight hours a week, such courses to include lectures on (*a*) German Institutions, (*b*) the Geography of Germany.

The third term of the second year will normally be spent at some University where the medium of intercourse is German.

During the third year candidates shall be required to attend courses in the subjects of the School of not less than eight hours a week.

Candidates may be required in any year to attend courses of lectures given in other departments which may be helpful to their studies in the subjects of the School.

In addition to the subjects of the School, each candidate will be required to pursue a prescribed course in one other subject included in the Faculty of Arts and approved by the head of the department of German for

a period extending over three years. At the end of his third year, he must present himself for examination in this subsidiary subject as for a three years subject for the Ordinary degree of Bachelor of Arts. The Class obtained by him in the Honours School will not be published until he has satisfied the examiners in this subsidiary subject; but in the event of his failure to do so, he may present this subject alone at any subsequent examination.

Final Examination

The examination shall consist of an oral examination and of the following papers:—

Prescribed texts of before 1500 with literary and linguistic questions, one paper.

Prescribed texts of after 1500 with literary and linguistic questions, one paper.

Essay and Composition, one paper.

Unprepared translation, one paper.

History of the language and versification, one paper.

Literature, two papers.

History and Institutions of Germany, one paper.

In addition, candidates shall be required to present a dissertation on a subject approved by the Board of the Faculty of Arts.

Russian Language and Literature

Candidates for the degree of Bachelor of Arts with Honours in Russian Language and Literature shall be required to pursue courses of study and to submit themselves for examination as follows:—

The course of study for the first academic year shall normally include the following four subjects: (1) Russian Language and Literature; (2) Greek, Latin, French, German, *or* English Language; (3) a second subject from (2), *or* English Literature, Economics, *or* another approved subject; (4) Modern History with special reference to Russia, the history and geography of Russia.

A qualifying examination in these subjects will be held at the end of the first year which must normally be passed by candidates before they proceed to further study.

Some modification of the course and examination required for the first year may be made, subject to the

approval of the Board of the Faculty of Arts, for candidates who have obtained a Higher School Certificate, but all candidates will be required to attend the lectures on Modern History with special reference to Russia.

During the second year candidates shall be required to attend courses in the subjects of the School of not less than eight hours a week, such courses to include lectures on (*a*) Old Church Slavonic, (*b*) the History of Literature up to 1800.

The third term of the second year will normally be spent at some University where the medium of intercourse is either Russian or any other Slavonic language.

During the third year candidates shall be required to attend courses in the subjects of the School of not less than eight hours a week.

Candidates may be required in any year to attend courses of lectures given in other departments which may be helpful to their studies in the subjects of the School.

In addition to the subjects of the School, each candidate will normally be required to pursue a prescribed course in one other subject included in the Faculty of Arts and approved by the head of the department of Russian, for a period extending over three years. The candidate must present himself for examination in this subsidiary subject as for a three years subject for the Ordinary degree of Bachelor of Arts. The Class obtained by him in the Honours School will not be published until he has satisfied the examiners in this subsidiary subject; but in the event of his failure to do so, he may present this subject alone at any subsequent examination.

Final Examination

The examination shall consist of an oral examination and of the following papers :—

Old Church Slavonic :

Prescribed Texts from Ostromirov Evangelie to be translated into Russian ; Philology, one paper.

The History and Philology of the Russian Language :

An outline of the Slavonic group of languages in Europe and their geographical distribution, one paper.

Prescribed texts of after 1500 with literary and linguistic questions, one paper.

Essay and Composition, one paper.
Unprepared translation, one paper.
Literature, two papers.
History, especially Social History, of Russia, one paper.

(Candidates will be required to show such a knowledge of the outlines of Social History of Russia as is necessary to the understanding of the Literature ; also the influence of English, French and German Philosophy and Literature on the Russian Literature and Social Ideals.)

In addition, candidates shall be required to present a dissertation on a subject approved by the Board of the Faculty of Arts.

Spanish Language and Literature

Candidates for the degree of Bachelor of Arts with Honours in Spanish Language and Literature shall be required to pursue courses of study and to submit themselves for examination as follows :—

The course of study for the first academic year shall normally include the following four subjects : (1) Spanish Language and Literature ; (2) Latin, French, *or* English Language ; (3) a second subject from (2), *or* English Literature, Economics, *or* another approved subject ; (4) Modern History with special reference to Spain.

A qualifying examination in these subjects will be held at the end of the first year which must normally be passed by candidates before they proceed to further study.

Some modification of the course and examination required for the first year may be made, subject to the approval of the Board of the Faculty of Arts, for candidates who have obtained a Higher School Certificate, but all candidates will be required to attend the lectures on Modern History with special reference to Spain.

During the second year candidates shall be required to attend courses in the subjects of the School not less than eight hours a week, such courses to include lectures on (*a*) Spanish Institutions, (*b*) the Geography of Spain.

The third term of the second year will normally be spent at some University where the medium of intercourse is Spanish.

During the third year candidates shall be required to attend courses in the subjects of the School of not less than eight hours a week.

Candidates may be required in any year to attend courses of lectures given in other departments which may be helpful to their studies in the subjects of the School.

In addition to the subjects of the School, each candidate will be required to pursue a prescribed course in one other subject included in the Faculty of Arts and approved by the head of the department of Spanish for a period extending over three years. At the end of his third year, he must present himself for examination in this subsidiary subject as for a three years subject for the Ordinary degree of Bachelor of Arts. The Class obtained by him in the Honours School will not be published until he has satisfied the examiners in this subsidiary subject; but in the event of his failure to do so, he may present this subject alone at any subsequent examination.

Final Examination.

The examination shall consist of an oral examination and of the following papers:—

Prescribed texts of before 1500 with literary and linguistic questions, 1 paper.

Prescribed texts of after 1500 with literary and linguistic questions, 1 paper.

Essay and composition, 1 paper.

Unprepared translation, 1 paper.

History of the Language and versification, 1 paper.

Literature, 2 papers.

History and Institutions of Spain, 1 paper.

In addition candidates shall be required to present a dissertation on a subject approved by the Board of the Faculty of Arts.

History

Candidates for the degree of Bachelor of Arts with Honours in History shall be required to pursue courses of study and to submit themselves for examination as follows:—

The course of study for the first academic year shall normally include the following five subjects: (1) Greek *or* Latin; (2) French *or* German; (3) History; (4) Economics; (5) Set Books in History.

A qualifying examination in these subjects will be held at the end of the first year, which must normally be passed by candidates before they proceed to further study.

Some modification of the course and examination required for the first year may be made, subject to the approval of the Board of the Faculty of Arts, for candidates who have obtained a Higher School Certificate.

The attendance on courses required for the first year for the Ordinary degree of Bachelor of Arts, and the prescribed examinations in such courses, may also be accepted by the Senate in place of the above course and qualifying examination.

At the end of the second academic year candidates will be examined as follows :

Honours Examination (Part I)

Outlines of European History, two papers.
Colonial History, one paper.
Materials for Historical Research, one paper.
Candidates must satisfy the examiners in this examination before proceeding with further study.

At the end of the third year candidates will take the following examination :

Honours Examination (Part II)

Essay in General History, one paper.
English (including Constitutional) History, two papers.
Special period, studied in connection with the original authorities, two papers.
Political Theory, one paper.
In addition, candidates shall be required to present a dissertation on some subject approved by the Board of the Faculty of Arts.
Candidates shall also be required to show in the examination some knowledge of at least one foreign language (ancient or modern).
Oral Examination.

Special Periods for 1929-30

(1) Roman History, 44 B.C.-14 A.D. ; (2) English History, 1688-1714 ; (3) The Reign of Richard II.

The following is the list (subject to revision) of the original authorities set for the Honours periods :

1. Selections from Cicero's Letters and Speeches ; Suetonius, *Augustus* ; Velleius Paterculus, *Historia Romana*,

book ii ; *Res Gestae Divi Augusti* ; selected Inscriptions illustrating the period.

2. Burnet's *History of his Own Time* (1833 ed.), vol. iii, p. 260, to vol. iv, p. 377 ; *Calendar of State Papers* (*Domestic*), 1691-2, selected portions ; Grant Robertson, *Statutes, Cases and Documents*, relevant documents ; selections from Bonet's dispatches in Ranke's *History of England in the Seventeenth Century*, vol. vi, appendix ; *Portland Mss.*, vol. v, pp. 378-478 ; Swift, *The Conduct of the Allies*.

3. Selected passages from Walsingham, *Historia Anglicana* (Rolls Ser.) ; Knighton, *Chronicon* (Rolls Ser.) ; Malverne's Chronicle in Higden, *Polychronicon*, vol. ix (Rolls Ser.) ; *Annales Ricardi Secundi* (Rolls Ser.) ; Calendars of Patent and Close Rolls ; Rolls of Parliament, vol. iii.

Geography

Candidates for the degree of Bachelor of Arts with Honours in Geography shall be required to pursue courses of study and to submit themselves for examination as follows :—

The course of study for the first academic year shall normally include the following five subjects : (1) Geography ; (2) A language other than English ; (3) Economics ; (4) Geology ; (5) Modern History *or* Physics *or* Mathematics *or* a second approved foreign language.

A qualifying examination in these subjects will be held at the end of the first year, which must normally be passed by candidates before they proceed to further study.

Some modification of the course and examination required for the first year may be made, subject to the approval of the Board of the Faculty of Arts, for candidates who have obtained a Higher School Certificate.

The attendance on courses required for the first year for the Ordinary degree of Bachelor of Arts, and the prescribed examinations in such courses, may also be accepted by the Senate in place of the above course and qualifying examination.

During the second year of their course, candidates shall be required to attend an approved course in either History or Economics.

At the end of the second academic year, candidates will be examined as follows :—

SCHEME A.

Honours Examination (Part I)

Physical Geography	one paper.
General and Regional Geography	one paper.
Principles of Human Geography	two papers.
Either History or Economics	one paper.

or

SCHEME B.

Honours Examination (Part I)

Physical Geography	one paper.
General and Regional Geography	one paper.
Principles of Human Geography	one paper.
Economics	one paper.
Economic History	one paper.

Candidates must satisfy the examiners in this examination before proceeding with further study.

At the end of the third year, candidates will be examined as follows :—

SCHEME A.

Honours Examination (Part II)

Essay	one paper.
General and Regional	two papers.
Human Geography	three papers.
Oral and practical examination.	

or

SCHEME B.

Honours Examination (Part II)

Essay	one paper.
Human Geography	one paper.
A Special Region	one paper.
A Selected Industry	one paper.
International Trade	one paper.
Oral and practical examination	

In addition, candidates shall be required to present a dissertation on a subject approved by the Board of the Faculty of Arts.

N.B.—Candidates shall be required to show in the examination a knowledge of at least one modern foreign language.

Philosophy

Candidates for the degree of Bachelor of Arts with Honours in Philosophy shall be required to pursue courses of study, and to submit themselves for examination as follows :—

The course of study for the first academic year shall normally include the following four subjects :—(1)

Logic; (2) A second philosophical subject; (3) Greek *or* Latin; (4) a second non-philosophical subject.

A qualifying examination in these subjects will be held at the end of the first year, which must normally be passed by candidates before they proceed to further study.

Some modification of the course and examination required for the first year may be made, subject to the approval of the Board of the Faculty of Arts, for candidates who have obtained a Higher School Certificate.

Subject to the approval of the Board of the Faculty of Arts, suitably qualified candidates may be permitted to vary the course of study required for the first year.

During the second and third years candidates shall be required to attend approved courses in Philosophy of not less than five hours a week in each year.

They shall also be required to attend, during the second and third years, approved courses of lectures on subsidiary subjects, the number of lectures amounting to not less than two hours a week in each year.

Examination

Essay, one paper.
General Questions, one paper.
Logic, Deductive and Inductive, one paper.
Psychology, one paper.
Ethics, one paper.
Advanced Psychology *or* Moral and Political Philosophy, one paper.
Either History of Ancient Philosophy, one paper, and two papers on *one* of the following:
- Descartes, Malebranche, Spinoza.
- Spinoza and Leibniz.
- English Philosophy from Locke to Hume, with reference to Bacon and Hobbes and to Reid and the Scottish Philosophy.
- Kant.
- Some other subject approved by the Board of the Faculty of Arts.

Or, History of Modern Philosophy, one paper, and two papers on *one* of the following:
- Greek Philosophy before Socrates.
- Socrates and Plato.
- Aristotle.
- Post-Aristotelian Philosophy.
- Some other subject approved by the Board of the Faculty of Arts.

Economic and Political Science

Candidates for the degree of Bachelor of Arts with Honours in Economic and Political Science shall be required to pursue courses of study and to submit themselves for examination as follows :—

The courses of study and the examinations for the first academic year shall normally be the same as for the Ordinary degree of Bachelor of Arts, provided that at least one of the following subjects must be included : (1) Economics ; (2) Logic.

Some modification of the courses and examinations required for the first year may be made, subject to the approval of the Board of the Faculty of Arts, for candidates who have obtained a Higher School Certificate.

During the second and third years candidates shall be required to attend approved courses in the subjects of the school of not less than five hours a week in each year.

They shall also be required to attend, during the second and third years, approved courses of lectures on subsidiary subjects, the number of lectures amounting to not less than two hours a week in each year.

Examination

Essay, one paper.
Principles of Economics, two papers.
History of Economic Theory, one paper.
Economic History, one paper.
Political Theory, one paper.
Constitutional Law, one paper.
A special Economic subject, one paper.

In addition, candidates shall be required to present a dissertation on a subject approved by the Board of the Faculty of Arts.

Mathematics

Candidates for the degree of Bachelor of Arts with Honours in Mathematics shall be required to pursue courses of study and to submit themselves for examination as follows :—

The course of study shall include, in addition to the Special Honours courses in Mathematics, not less than *three* of the subjects, other than Mathematics, approved

in the *Regulations for the Ordinary degree of Bachelor of Arts, Article I* (*a*) *and* (*b*), at least one of which shall be Greek or Latin. Candidates shall attend courses and present themselves for examination in *two* of these subsidiary subjects taken as one-year subjects, and in the *third* taken as a two-years subject, as approved for the Ordinary degree of Bachelor of Arts. The study of each subsidiary subject shall commence in the first academic year.

Candidates who have obtained a Higher School Certificate in any of these subsidiary subjects may, subject to the approval of the Board of the Faculty of Arts, substitute for the course and examination for the first year in that subject, those of the second year of the course for the Ordinary degree of Bachelor of Arts; and for the course and examination for the second year, those of the third year of the course for the Ordinary degree.

The Class obtained by any candidate shall not be published until he has satisfied the examiners in these subsidiary subjects, but in the event of his failure to do so in any of these subsidiary subjects, he may present that subject alone at a subsequent examination.

DEGREE OF MASTER OF ARTS

I

1. The degree of Master of Arts may be conferred, on payment of the proper fee, upon registered Bachelors of Arts when of not less than one year's standing from the date of their graduation as Bachelors, subject to the conditions contained in the following paragraphs. Ordinance.

2. Bachelors of Arts who have graduated with Honours may proceed to the degree of Master of Arts on presenting a dissertation satisfactory to the Senate on a subject approved by the Board of the Faculty of Arts.

3. Bachelors of Arts who have obtained the Ordinary degree shall be required to pass an examination in a subject or group of subjects upon which instruction is given in the

Faculty of Arts, and to present a dissertation satisfactory to the Senate on a subject approved by the Board of the Faculty of Arts, or, if they do not present a dissertation, to pass a more extended examination. In special cases it shall be in the power of the Senate, on the application of the candidate and on the special recommendation of the Board of the Faculty of Arts, to award the degree upon a dissertation only. Candidates wishing to apply for such remission must make application to the Board of the Faculty of Arts not later than the end of the October preceding the examination. Regulations shall determine the subjects and groups of subjects in which the examination will be held. Certificates of attendance on courses of study in the University shall not be required. Bachelors of Arts who have obtained Honours in any school after the Ordinary degree shall be held to have satisfied the requirements of this clause.

4. All candidates who offer a dissertation either as sole test or in combination with other tests, may be called upon to present themselves for an examination—written, or oral, or both—in the theme of their dissertation.

5. The names of candidates who have passed the examination for the degree of Master of Arts shall be arranged in alphabetical order without distinction of classes.

II

6. Graduates or persons who have passed the Final examination for a degree of other approved Universities shall, if they present evidence satisfactory to the Senate that they are qualified to pursue a course of advanced study or research, be permitted to enter the University and to become candidates for the degree of M.A., without taking the B.A. degree, after not less than two years of such advanced study or research.

7. Persons who are not graduates (nor have passed the Final examination for a degree) of an approved University, may, if they satisfy the Senate that their educational attainments are adequate and that they are qualified to pursue a course of advanced study or research, be permitted to enter the University and to become candidates for the

degree of M.A., without taking the B.A. degree, after not less than three years of such advanced study or research.

8. Candidates admitted under the provisions of either of the two paragraphs preceding shall be required to fulfil the following conditions:—

(*a*) To be registered as students of the University.

(*b*) To pursue a course of advanced study or research under the supervision of the Head of the Department concerned.

(*c*) To attend a course or courses of lectures at the University for at least one year, except so far as this requirement is suspended or reduced by the Senate.

They shall be further required to give evidence to the Senate at the end of the first year of their period of study that their work has been satisfactory, and at the end of their course they shall be required to present a dissertation, and to satisfy such further test, if any, as the Senate shall deem expedient. They will, as a rule, be called upon to present themselves for an examination—written, or oral, or both—in the theme of their dissertation.

N.B.—In 1930 the latest date of entry and payment of fee for candidates presenting themselves for examination will be SATURDAY, MARCH 1st, and the examination held under I, 3, will be held in June. Candidates proceeding to the degree of M.A. by dissertation only must make their entry, pay the prescribed fee, and send in their dissertations not later than THURSDAY, MAY 1st. It is desirable that all candidates who present a dissertation should furnish at least two copies of such dissertation.

Examination

Regulations

Bachelors of Arts who have obtained the Ordinary degree and are candidates for the degree of Master of Arts may present themselves for examination *either* in *one* of the following subjects, viz., Greek, Latin, French, German, English Language and Literature, History, Philosophy, Economics, Education, Geography, *or* in *two* of the following: Greek, Latin, French, German, English Language and Literature, History, Philosophy, Economics, Geography. Candidates who offer two subjects must submit their choice of subjects for approval by the Board of the Faculty of Arts.

Greek

I. As a single subject.

Translation from Greek books selected, as a rule, from those prescribed for Honours in Classics, one paper.

Translation at sight and questions on the subject matter of the specified books, one paper.

Translation at sight and Greek prose composition, one paper.

A dissertation on some subject approved by the Board of the Faculty of Arts.

II. In combination with another subject.

As above, with the omission of the dissertation.

Books prescribed for 1929-30

Homer, *Odyssey* i–vi; Theocritus i, ii, xv, xvii; Aeschylus, *Agamemnon*; Aristophanes, *Frogs*; Thucydides iii; Aristotle, *Poetics*.

Latin

I. As a single subject.

Translation from Latin books selected, as a rule, from those prescribed for Honours in Classics, one paper.

Translation at sight and questions on the subject matter of the specified books, one paper.

Translation at sight and Latin prose composition, one paper.

A dissertation on some subject approved by the Board of the Faculty of Arts.

II. In combination with another subject.

As above, with the omission of the dissertation.

Books prescribed for 1929-30

Plautus *Captivi*; Lucretius v; Catullus (Simpson's Edition); Horace *Odes* i, ii, iii, *Satires* ii; Virgil, *Aeneid* ii, iv, vi; Martial i–vi (Bridge & Lake's Edition); Cicero *Tusculan Disputations* i, ii; Livy ii; Tacitus *Histories* i.

French

I. As a single subject.

Composition and essay, one paper.

Prescribed texts in Old and Modern French, including literary and linguistic study, one paper.

Unprepared translation and historical grammar, one paper.

French Literature (general outlines and special period or periods), one paper.

Oral examination.

A dissertation on some subject approved by the Board of the Faculty of Arts.

II. In combination with another subject.

As above, with the omission of the dissertation.

Books prescribed for 1929-30

G. Paris et Langlois, *Chrestomathie du Moyen Age*; Darmesteter et Hatzfeld, *Morceaux Choisis des Ecrivains du 16e Siècle* (verse only); Molière, *Le Misanthrope*, *Les Femmes Savantes*; Racine, *Britannicus*; Rousseau, *Extraits*; Victor Hugo, *Notre Dame*.

Period of Literature prescribed for 1929-30

La Vie et les oeuvres de Rousseau (1712-1778).

German

I. As a single subject.

Composition and essay, one paper.

Prescribed texts in Middle High German and New High German, including literary and linguistic study, one paper.

Unprepared translation and historical grammar, one paper.

German Literature (general outlines and special period or periods), one paper.

Oral examination.

A dissertation on some subject approved by the Board of the Faculty of Arts.

II. In combination with another subject.

As above with the omission of the dissertation.

Books prescribed for 1929-30

Bartsch, *Liederdichter* xxi; Wright, *Middle High German Primer*; iii, vii; Grillparzer, *Sappho*; Schiller, *Wilhelm Tell*, ed. Breul (Pitt Press); Goethe, *Götz* (Ginn & Co.) and *Egmont* (Clarendon Press); Heine, *Buch der Lieder* (Manchester University Press); Poems by Goethe, Schiller, and Uhland, in Fiedler, *Book of German Verse* (Clarendon Press).

Period of Literature prescribed for 1929-30

1700-1832.

English Language and Literature

I. As a single subject.

Either

A (*a*) A dissertation.

(*b*) Examination, written or oral or both, in subjects connected with the candidate's dissertation.

(*c*) Outlines of the History of English Literature with selected texts, two papers.

Or

B (*a*) An essay, one paper.

(*b*) Translation from selected texts in Old and Middle English, and unseen translation, two papers.

(*c*) Outlines of the History of English Literature with selected texts, two papers.

(*d*) *One* of the following:

(i) History of the English Language, one paper.

or (ii) Chaucer, one paper.

or (iii) Milton, one paper.

II. In combination with another subject.

Either

A (*a*) An essay, one paper.
(*b*) Outlines of the History of English Literature with selected texts, two papers.
(*c*) A special author or subject, one paper.

Or

B (*a*) An essay, one paper.
(*b*) Translation from selected texts in Old and Middle English, and unseen translation, two papers
(*c*) History of the English Language, one paper.

Texts and Periods for 1929-30

I. As a single subject.

A (*a*) Outlines of the History of English Literature, with selected texts, as for English Honours, Scheme B.
B (*b*) Selected texts in Old and Middle English, as for English Honours, Scheme A.
(*c*) Outlines of the History of English Literature, with selected texts, as for English Honours, Scheme B.
(*d*) A general knowledge of *either* (i) the history of the English Language from the earliest times to the present, *or* (ii) Chaucer's Poems and Language, *or* (iii) Milton's Poems and Prose.

II. In combination with another subject.

A (*b*) Outlines of the History of English Literature, with selected texts, as for English Honours, Scheme B.
(*c*) Milton's *Poems and Prose.*
B (*b*) Selected texts in Old and Middle English, as for English Honours, Scheme A.
(*c*) A general knowledge of the history of the English Language from the earliest times to the present.

History

I. As a single subject.

An essay, one paper.
Either Ancient History (to 337 A.D.) General, two papers with special period in Ancient History, two papers.
Or Medieval History (300 to 1500 A.D.), General, two papers, with special period in Medieval History, two papers.
Or Modern History (since 1500 A.D.), General, two papers, with special period in Modern History, two papers.

Candidates may substitute a dissertation for the essay and the two papers on the special period.

II. In combination with another subject.

(*a*) Ancient or Medieval or Modern History, one paper.
(*b*) A special subject in the period taken under (*a*), two papers.

Candidates must in every case satisfy the Board of the Faculty of Arts that the subjects they offer under (*a*) and (*b*) form a suitable combination.

Special Periods prescribed for 1929-30

(1) Roman History (44 B.C.–14 A.D.); (2) The Reign of Richard II; (3) English History (1688-1714).

Philosophy

I. As a single subject.

(*a*) General Questions, one paper.

(*b*) *Three* of the following:

Logic, one paper.
Psychology, one paper.
Ethics, one paper.
History of Philosophy, Ancient or Modern, one paper.
Advanced Psychology *or* Moral and Political Philosophy, one paper.

(*c*) *One* of the following special subjects, one paper.

Greek Philosophy before Socrates.
Socrates and Plato.
Aristotle.
Post-Aristotelian Philosophy.
Descartes, Malebranche, Spinoza
Spinoza and Leibniz.
English Philosophy, from Locke to Hume, with reference to Bacon and Hobbes, and to Reid and the Scottish Philosophy.
Kant.

Candidates may as an alternative present a dissertation on a subject approved by the Board of the Faculty of Arts and present themselves for examination in three papers from section (*b*) or in two papers from section (*b*) and one paper from section (*c*).

II. In combination with another subject.

History of Philosophy, Ancient or Modern, one paper.

Logic, or Ethics, or Psychology, or History of Philosophy, Modern or Ancient, one paper.

A special subject, approved by the Board of the Faculty of Arts, one paper.

Economics

I. As a single subject.

(*a*) An essay, one paper.

(*b*) English Economic History, including the special study of a set period, two papers.

(*c*) *One* of the following:

General Principles of Economics, two papers.

A special Economic subject, two papers.

History of Economic Theory, including the special study of the work of a particular economist, two papers.

Candidates who have taken Economics as a subject for the degree of B.A. may not offer General Principles of Economics.

Candidates may as an alternative present a dissertation on a subject approved by the Board of the Faculty of Arts, and present themselves for examination in (*b*) or in one subject of (*c*). Such candidates may not offer a special Economic subject and a dissertation on the same subject.

II. In combination with another subject.

English Economic History *or* History of Economic Theory, one paper.

A special Economic subject, two papers.

The 19th Century Economist for special study.

Adam Smith.

Geography

I. As a single subject.

(*a*) (1) General Questions, one paper, together with *two* of the following:

(2) Regional Geography, one paper.

(3) Human Geography, one paper.

(4) Economic Geography, one paper.

(*b*) A dissertation on some subject approved by the Board of the Faculty.

II. In combination with another subject.

(*a*) above.

Education

(*A*) A dissertation on some subject related to Education and approved by the Board of the Faculty of Arts.

And (*B*) *Either* The Theory of Education, two papers, one of the following topics:

(1) The ultimate aim of education, and its relation to subordinate aims, with special consideration of the concepts of liberal culture, formal discipline, and vocational training.

(2) Heredity and environment in education.

(3) The general process of psychological development in relation to education, with a detailed investigation of the psychological processes involved in some one form of educative influence.

(4) The literature and practice of experimental psychology as applied to education, with records (if any) of personal investigation.

(5) The theoretical bases of the process of learning, with special study of methodology applied to some part of the curriculum approved by the Board of the Faculty of Arts.

(6) The principles and methods of religious and moral education.

(7) The aim and organisation of systems of education as determined by social, economic, political, moral and religious conditions and ideals, with a study of the functions and relations of educational agencies.

(8) Physical development, including the study of fatigue.

(9) Psychology and physiology of skill with its educational implications.

(10) Any specific educational problem approved by the Board of the Faculty of Arts.

Or The History of Education—two papers on one of the following periods, with study of certain original authorities, as arranged after consultation with the Professor, viz:

(1) From beginnings of Greek education to 400 A.D.

(2) 400 A.D.—1000 A.D.

(3) 1000 A.D.—1400 A.D.

(4) 1400 A.D.—1760 A.D.

(5) 1760 A.D. to present time.

Or a detailed study, based on personal knowledge, of the educational system of any one country, selected by the candidate with the approval of the Board of the Faculty of Arts. The examination on this subject may consist of an inspection of the reports and note books presented by the candidate.

DEGREE OF MASTER OF EDUCATION (M.Ed.)

1. The degree of Master of Education (M.Ed.) may be conferred, upon payment of the proper fee, on graduates of the University of not less than two years' standing from the date of their graduation as Bachelors, who have obtained the Diploma in Education of the University, subject to the conditions contained in the following paragraphs. Ordinance.

2. Each candidate for the degree of M.Ed. shall be required to present a thesis, consisting of a record of original work or research, or independent study or criticism, on some educational subject approved by the Senate. Each candidate shall further be required to submit himself for examination (oral or written, or both) in the subject of his thesis, unless the Senate on application waives this requirement.

3. (*a*) Candidates who have obtained the Diploma in Education of the University shall be entitled to present the thesis not less than one academic year after obtaining the Diploma with or without further attendance at the University.

(*b*) Graduates of the University who have satisfied the examiners in the subjects of Education at the Final

examination for the degree of Bachelor of Arts or Bachelor of Science, may become candidates for the degree of M.Ed., notwithstanding that they have not obtained the Diploma in Education, provided that they have had, after graduation, either (1) not less than one year's approved study, or (2) not less than one year's experience in the practical work of education and have proved efficient therein, and, subsequently shall have pursued for an additional year an approved course of advanced study or research in Education.

(*c*) Graduates of the University, may, by permission of the Senate, substitute for the Diploma in Education of the University, the Diploma or Certificate in Education of another approved University. Such candidates shall be required to pursue a course of advanced study or research in Education in the University for one year.

4. Graduates, or persons who have passed the Final examination for a degree of other approved Universities shall, if they produce evidence satisfactory to the Senate that they are qualified to pursue a course of advanced study or research be permitted to enter the University and to become candidates for the degree of M.Ed. without having previously graduated in this University. Such candidates shall be subject to the requirements set forth in paragraph 2 above, and shall further be required to pursue a course of study and research in Education in the University for a period of two years, except in so far as the Senate approves of study and research conducted in some other institution during one of the required years.

N.B.—In 1930 candidates must make their entry, pay the prescribed fee, and send in their thesis not later than THURSDAY, MAY 1st. The thesis should be type-written and at least two copies should be furnished.

DEGREE OF DOCTOR OF PHILOSOPHY (Ph.D.)

Ordinance

1. The Degree of Doctor of Philosophy (Ph.D.) is conferred, on payment of the proper fee, on persons who are registered graduates of the University of Leeds, or who have obtained at an approved University or Institution of

University rank a degree or appropriate diploma awarded upon an approved course of study extending over not less than three years, or have passed the Final examination for such a degree at an approved University, provided that in all cases the conditions laid down in the following paragraphs have been satisfied.

2. All Candidates for the Degree of Doctor of Philosophy are required to pursue in the University for at least two academic years an approved full-time course of advanced study and research, under the direction of the Head of the Department concerned or of a member of the University staff appointed by the Senate on his recommendation;

provided that, after completion of the first year of the course, candidates may be permitted to devote such periods as may be deemed advisable by the Senate to full-time study and research in other approved Universities or institutions, while remaining under the direction of the University or of persons nominated by the University.

Regulations

3. Before entering on the course of advanced study and research, candidates are required

(*a*) To have attained the age of 21 years.

(*b*) To submit to the Senate for its approval the course of advanced study and research proposed by them and to present evidence satisfactory to the Senate that they are qualified to undertake the proposed course.

(*c*) To register as students of the University and to pay the prescribed fees for tuition.

4. On completing the course of advanced study and research candidates are required

(*a*) To present a thesis on the subject of their advanced study and research, and to satisfy the examiners that it contains original work worthy of publication, and that it is of a sufficient standard of merit to qualify for the degree of Doctor of Philosophy.

(*b*) To submit themselves for an oral examination on matters relevant to their thesis and, if required, for a written examination and to satisfy the examiners in the examination as well as in the thesis presented.

5. The application of a candidate for admission to the course for the degree must give particulars of his educational career and qualifications as well as the subject of his proposed course of advanced study and research. The application should be addressed to the Clerk to the Senate.

NOTE.—A candidate is advised, before making application to the Clerk to the Senate, to consult the Head of the Department which is concerned with the subject which he proposes to study.

6. A candidate is required during his course to devote his whole time to his advanced study and research; but in exceptional cases the Senate is prepared to allow the candidate to undertake a limited amount of outside work which, in its judgment, would not interfere with the prosecution of his proposed course of advanced study and research.

7. A candidate will not be permitted to submit as his thesis one for which a degree has been conferred upon him in this or any other University; but he shall not be precluded from incorporating in his thesis any part of the work already submitted by him with a view to a degree for which he has been a successful candidate, provided that in his application to the University for admission to the course he states his desire to do so, and in the thesis itself indicates the part of the work which has been so incorporated.

8. It will be generally convenient that the candidate's course should begin either at the opening of the academic year in October, or during the previous Long Vacation; but the Senate is prepared to consider applications for leave to begin the course at some other time in the academic year. The course must in any case extend over two academic years or their equivalent.

9. Towards the completion of his course the candidate, giving if possible three months' notice to the Clerk to the Senate, must make application to be examined and must submit, as soon as possible afterwards, at least one copy of his thesis, which should be accompanied by a short abstract. A copy of the thesis will be retained in the University Library.

DEGREE OF DOCTOR OF LETTERS

1. The degree of Doctor of Letters shall be conferred by the University upon registered Masters of Arts or Doctors of Philosophy of the University who shall be deemed by the Senate, after considering a report from the Board of the Faculty of Arts, to have distinguished themselves by special research or learning. Ordinance

Provided that the Senate may, in such cases as it shall think fit, after considering a report from the Board of the Faculty of Arts, also require candidates to pass such an examination as it may from time to time determine.

2. A Master of Arts or a Doctor of Philosophy of the University may make application for the degree of Doctor of Letters in the sixth or any subsequent year from the date of admission to the Bachelor's degree, or from the date of his acceptance as a candidate for the M.A. or Ph.D. degrees.

3. Such applications shall be made in writing to the Clerk to the Senate, and shall contain a full statement of the grounds on which the claim for the degree is based, together with one or more copies of any thesis, whether in print or in manuscript, which the applicant may desire to submit in support of the application. A copy of the thesis submitted will be retained in the University Library.

4. If the application be approved by the Senate, the degree may be conferred at the expiration of not less than six years from the date of admission to the Bachelor's degree, or from the date of his acceptance as a candidate for the M.A. or Ph.D. degrees.

N.B.—In 1930 the latest date for application and payment of fee will be SATURDAY, MARCH 1st.

DIPLOMAS IN ARTS

Diplomas shall be granted by the University, in such subjects as the Council may from time to time determine, to students who pursue the courses of study and pass the examinations prescribed. Ordinance

The Council is empowered to make from time to time Regulations under which such Diplomas shall be awarded.

The award of Diplomas under the provisions of this Ordinance is delegated to the Senate.

Regulations

Candidates for Diplomas are required to give satisfactory attendance upon all the subjects which form part of their course of study, and to present themselves for any class examinations that may be held in the same. Those who do not pass satisfactorily in these examinations in any year will be disqualified for the Diploma unless they repeat the course in whole or in part, as may be required by the Senate.

At the close of the course, candidates will be required to present themselves for such examination in the main subject of study as may be prescribed.

Some deviation from these courses may be sanctioned in special cases, and students who on entering upon a Diploma course produce evidence that they possess a sufficient knowledge of the work done during a part of the course will be allowed to dispense with a certain amount of attendance. Applications for exemption from attendance should be made to the head of the department concerned, who shall bring them before the Standing Committee of the Senate appointed to deal with such matters.

Diploma in Education

Regulations

Candidates for the diploma in Education must be graduates of some University in the United Kingdom or must have obtained such other academic qualifications as shall be approved by the Senate of the University.

The session for students in this department will open about the beginning of September and will close about the middle of July.

The course is both theoretical and practical. At least sixty days normally will be devoted to class work in school. Candidates who have had at least one year's experience of class teaching may be permitted to substitute for this period of practical training an approved course of visits to educational institutions.

Students will attend the following lectures:

(*a*) The principles and methods of education and teaching.

(*b*) The psychological bases of education.

(*c*) Physical, intellectual, and moral development of the child.

(*d*) The history of education (with selected work or works).

(*e*) Educational systems.
(*f*) Experimental education (with laboratory practice).
(*g*) Modern problems in education.
(*h*) Phonetics.
(*i*) Physical Development, Hygiene and Physical Training.

In addition there are optional courses in Philosophy, Scientific Method and Advanced Psychology.

Practical Work

This will be carried on under the immediate supervision of members of the staff, and of certain teachers of special subjects in the practising schools.

Students who wish to specialise in one or more subjects of the school curriculum will be definitely attached throughout the year to certain selected schools which provide special opportunities for the required training.

For some time previous to the opening of the ordinary University session at the beginning of October, students may be in continuous attendance at selected schools for the purpose of observing methods of organisation, teaching, discipline, &c.

Throughout the University session systematic observation and teaching in school will be done by each student.

The written examination for the diploma will take place in June, at the same time as the degree examinations.

The tests in practical skill will consist in the delivery of lessons and in an inspection of records of the candidates' practical work in school. Importance will be attached to reports on the candidates' work and skill from the teacher of the school under whom they have worked, and from the staff of the University Education department.

Graduates in Arts or Science of this University who have included Education in the Final examination for their degree may obtain the diploma in Education after a further year's attendance on a course approved by the Board of the Faculty in which the degree was taken. Such course must include:

(*a*) Attendance in schools as specified in II above;
(*b*) Attendance on course I (*g*) ;

(*c*) Attendance on a course of study in Arts or Science (not included in those taken for a degree), approved by the Board of the Faculty as at least equivalent to the subject of Education taken as part of the Final course for the degree.

The examination for the diploma in Education will in these cases consist of the tests of practical skill, and the paper in the Practice of Education, but the diploma will not be issued until the candidate has also passed the degree examination in the subject or subjects included under (*c*).

The list of successful candidates will be issued in alphabetical order.

No diploma will be issued until the candidate has passed in both the written and the practical parts of the examination; but a candidate who fails in the practical part only may, on the recommendation of the examiners, be allowed by the Senate to present that part at a subsequent date without further written examination. In such cases the candidate must produce a satisfactory report from the head teacher of the school in which he has been teaching, and must submit records of work done.

Diploma in Educational Administration

The courses of study for the Diploma in Educational Administration are intended to meet the needs of those who are engaged in administrative work under Local Education Authorities, or of those who wish to gain a knowledge of such administrative work.

Admission

The lecture courses are open to all who have passed the Matriculation Examination of a University or its equivalent, or to those who can give evidence that their experience and education have been such as to enable them to profit by attendance at them.

Early application for admission is desirable and should be made to the Registrar in any case not later than Thursday, October 31st. The University reserves the right to suspend the course if the entry of students is regarded as insufficient.

Duration of Courses

The full course of study for the Diploma comprises about 60 lectures on the subjects given below and will extend over the two Winter Sessions, 1929-30, 1930-31.

Examinations

Candidates who wish to obtain the Diploma must have attended the full course and have passed the appropriate examinations.

Lecture Courses

1. The Development of Educational Administration in England and Wales.
2. Organisation of Administrative Departments of Local Education Authorities.
3. The School System—Types of Schools and Co-ordination.
4. Supervision of Schools.
5. Finance of Public Education.
6. Statistics of Education.
7. School Buildings.
8. Selection and Supply of School Apparatus and Material.
9. School Medical Service.
10. Social and Welfare Activities.
11. The Training of Teachers.
12. The legal aspect of Education.
13. Organisation of Education in other countries.

Lecturers

The Lectures will be given by members of the Staff of the Education Department of the University, Directors of Education, and others with expert knowledge and experience.

Dates and Fees.

The Lectures will be given on Wednesdays and Fridays at 6 p.m., those for Session 1929-30 beginning on Wednesday, November 13th, 1929.

The fee for the full Diploma Course of two Sessions is £5 5s.; or for one Session £3 3s.; or for a group of 8 lectures £1 1s.

COURSES IN ARTS

CLASSICS

GREEK LANGUAGE AND LITERATURE

Greek I

The work in this course will comprise composition, translation at sight and the special study of Plato, *Crito* and *Phaedo* (c. 57 to end); Euripides, *Rhesus*.

Four hours to be arranged later.

Books recommended

Plato, *Crito* and *Phaedo* (c. 57 to end) (ed. Keene, Macmillan).
Euripides, *Rhesus* (ed. Power, Cambridge Press).
North and Hillard's *Greek Prose Composition* (Rivington).

Greek II

The work in this course will comprise composition, translation at sight, and the special study of Demosthenes, *Philippic I* and *Olynthiacs;* Aeschylus, *Prometheus Vinctus*.

Four hours to be arranged later.

Books recommended

Sidgwick's *Greek Prose Composition* (Rivington).
Demosthenes, *Phil. I* and *Olynthiacs* (ed. Sandys, Macmillan).
Aeschylus, *Prometheus Vinctus* (ed. Rackham, Cambridge Press).

Greek III

The work in this course will comprise composition, translation at sight, and the special study of Plato, *Republic I* and *II* (cc. 1–10); Homer, *Odyssey IX* and *X*.

Four hours to be arranged later.

Books recommended

Sidgwick's *Greek Prose Composition* (Rivington).
The Proem to the Ideal Commonwealth of Plato (Tucker; George Bell).
Homer, *Odyssey I-XII* (ed. Merry, Clarendon Press).

Honours and M.A. Course

The work in this course will comprise composition, translation at sight, and the study of books prescribed for the examinations for Honours in Classics, and for the M.A. degree in Greek.

Six hours to be arranged later.

SPECIAL CLASSES

Elementary Class

This class is intended for beginners; it will not be held unless there is a reasonable number of promising applicants.

Two hours to be arranged later.

LATIN LANGUAGE AND LITERATURE

Latin I

The work in this course will comprise composition, translation at sight and the special study of Livy v, *chh.* 15-49 and Virgil *Aeneid* viii.

Mondays, Wednesdays and Fridays at 10 a.m., with a composition class on *either* Tuesdays at 11 a.m. *or* Thursdays at 10 a.m.

Books recommended

Livy v. Whibley (Pitt Press).
Virgil *Aeneid* viii, Sidgwick (Pitt Press).

Latin II

The work in this course will comprise composition translation at sight and the special study of Cicero *Murena* and selections from *A Book of Latin Verse.*

Mondays, Tuesdays, Wednesdays and Fridays at 12 noon.

Books recommended

Cicero, *pro Murena,* Heitland (Pitt Press).
A Book of Latin Verse, Garrod (Oxford Press).

Latin III

The work in this course will comprise more advanced composition, translation at sight, and the special study of Tacitus *Histories* i and Juvenal *Satires* i, iii, v, x.

Mondays and Fridays at 3 p.m., and Wednesdays at 12 noon, and a composition class on Tuesdays at 12 noon.

Books recommended

Tacitus *Histories* i, Davies (Pitt Press).
Juvenal *Satires*, Duff (Pitt Press).

H. Honours and M.A. Course

The work in this course will comprise composition translation at sight and the study of books prescribed for the examinations for Honours in Classics and for the M.A. in Latin.

Mondays at 12 noon, Tuesdays at 9 a.m., Thursdays at 9 a.m. and 10 a.m., and Fridays at 12 noon, with other hours to be arranged.

HEBREW LANGUAGE AND LITERATURE

(The lectures in Hebrew are given at Rawdon College).

Hebrew I

The work of the course comprises (1) the Grammar of the language; (2) translation and exegesis of prescribed chapters of the Old Testament: (3) *either* (*a*) easy composition (with pointing) based on the prescribed chapters; *or* (*b*) the History of Israel from the Conquest to Ezra.

Tuesdays, 8.45 and 11.45 a.m. Thursdays, 8.45 a.m.

For Session 1929-30, the prescribed Chapters are 2 Samuel XVIII-XIX.

Books required: Davidson's "Hebrew Grammar": Revised by MacFadyen. (Twenty-second Edition). T. & T. Clark.

Kirkpatrick "Samuel II" (Camb. Bible).

Hebrew II

The work of this course includes Grammar revision, composition, translation at sight, and pointing; translation and exegesis of prescribed books or portions of books, with critical introduction to the whole books prescribed.

Tuesdays and Thursdays, 9.45 a.m. Additional, as arranged.

For Session 1929-30 the prescribed portion is 1 Kings, I, II, VIII-XVI.

Books required: Davidson's "Hebrew Grammar" as above. Brown, Driver and Briggs' "Hebrew and English Lexicon of the Old Testament." (Clarendon Press). Davidson's "Hebrew Syntax" (T. & T. Clark). Unpointed Text: "Former Prophets" (Brit. & For. Bible Society). Burney, "Notes on the Hebrew Text of the Books of Kings" (Clarendon Press). Barnes, I Kings. (Cambridge Bible).

Hebrew III

The work of this course comprises (1) translation and critical study and exegesis of prescribed books or portions of books, with introduction to whole books prescribed; and *either* (2) syntax, composition, translation at sight, retranslation of short portions of prescribed passages and pointing; *or* (3) Old Testament History and the Development of Moral and Religious Ideas in Israel.

Three hours weekly as may be arranged.

The prescribed portion for Session 1929-30 is Psalms LXXIII-LXXXIX.

Books required: In addition to those mentioned above, Collins and Cowley's "Gesenius-Kautzsch Hebrew Grammar," Driver's "Hebrew Tenses." Briggs' "Psalms." 2 vols (International Critical Comm.) Addis (Peakes' Commentary).

ENGLISH LANGUAGE AND LITERATURE

English IA (Literature)

The work in this course is intended to serve as an introduction to English Literature *for both Pass and Honours students.*

It will comprise (i) the detailed study of certain representative texts, (ii) the more general study of a selected period of English literature.

(i) For detailed study: Chaucer, *Nun's Priests' Tale* (ed. Sisam, Oxford); Shakespeare, *Coriolanus* (Arden or Warwick edition): Milton, *Samson Agonistes* (ed. Verity or Chambers); Swift, *Gulliver's Travels*

(ed. Gough); Browning, Selected poems from *Men and Women*, 1855 (ed. Hadow, Oxford).

(ii) Texts suggested as part of a course of general reading in the period 1645-1700: Milton, *Paradise Regained;* Dryden, *Absalom and Achitophel; An Essay of Dramatic Poesy; All for Love;* Bunyan, *Pilgrim's Progress; Grace Abounding;* Cowley, *Verse and Prose* (Scott Library); Vaughan, *Silex Scintillans;* Nichol Smith, *Characters from the Histories and Memoirs of the Seventeenth Century;* Pepys, *Diary* (selections in Globe edition); Etherege, *The Man of Mode;* Congreve, *The Way of the World;* Otway, *Venice Preserv'd;* Wycherley, *The Plain Dealer.*

Mondays and Fridays, at 11 a.m. throughout the session.

English Ib (Composition)

The work in this course will comprise the study and practice of English Composition *for both Pass and Honours Students.*

Wednesdays at 11 a.m., and in weekly tutorial groups at times to be arranged.

Text-books recommended

Fowler, *The King's English.* (Oxford).
Vernon Lee, *The Handling of Words.*
R. L. Stevenson, *The Art of Writing.*

NOTE.—A limited number of students from other Departments may be admitted to this course on application.

English Ic (Language)

This course is intended for Honours students only in their first year. The work will comprise the outlines of the history of the English Language to the close of the Fourteenth Century, and the special study of West Saxon texts and of the language of Chaucer.

The following books are selected for study in 1929-30; Sweet, *Anglo-Saxon Primer*; Wright, *Elementary Old English Grammar*; Sweet, *Anglo-Saxon Reader* (Oxf., 9th edn.), extracts i, ii, iv, ix, x, xxi, xxvi; Chaucer, *Nun's Priest's Tale* (ed. Sisam, Oxf.); Sisam, *Fourteenth Century Verse and Prose* (Oxf.), extracts ii, viii*a*, xv.

Wright, *Elementary Middle English Grammar* (Oxford); Jespersen, *Growth and Structure of the English Language* (Blackwell).

Mondays and Fridays at 3 p.m., and Thursdays at 12 noon.

Books Recommended

Wyld, *Short History of English* (Murray).
Sweet, *Short Historical English Grammar* (Oxford).
Bradley, *The Making of English* (Macmillan).
Ker, *English Literature, Mediæval* (Home Univ. Library).
Pollard, *Chaucer Primer* (Macmillan).
Cowling, *Chaucer* (Methuen).

English IIA (Literature)

The work of this course will comprise:

(i) The continued study and practice of English Composition, at hours to be arranged.

(ii) Outlines of the History of English Literature.

Wednesdays at 11 a.m. throughout the session.

Books recommended

(*a*) Trevelyan, *A History of England* (Longmans); Ker, *Epic and Romance* (Macmillan); Jusserand, *A Literary History of the English People*, vols. 2 and 3; Saintsbury, *Short History of English Literature* (Macmillan); Legouis et Cazamian, *Histoire de la Littérature Anglaise* (Hachette, 1 vol.; English edn., 2 vols., Dent).

(*b*) *Beowulf* (trans. Strong or Childe); The O.E. *Genesis*; *The Dream of the Rood* (trans. Kennedy in *The Poems of Cynewulf*); *Pearl* (trans. Osgood or Gollancz); Geoffrey of Monmouth, *Histories of the Kings of Britain* (trans. S. Evans, Temple Classics); Malory, *Morte Darthure*; Henryson, *Testament of Cresseid*; Spenser, *Faerie Queene, Hymns, Epithalamion*; Marlowe, *Hero and Leander, Faustus*; Underdowne, *Heliodorus' Ethiopian History*; Shakespeare, *Troilus and Cressida, The Tempest, King Lear, Sonnets*; Webster, *The White Divel;* Jonson, *The Alchemist, Bartholomew Fair;* Bacon, *Essays, New Atlantis;* Donne, *Sings and Sonnets;* Milton, *Paradise Lost, Samson Agonistes, Areopagitica;* Sir Thomas Browne, *Religio Medici*; Dryden, *Absalom and Achitophel, Essay of Dramatic Poesy, Preface to the Fables, Essay of Heroic Poesy*; Congreve, *The Way of the World*; Pope, *Rape of the Lock, Dunciad*; Swift, *Tale of a Tub, Polite Conversation*; Fielding, *Jonathan*

Wild ; Smollett, *Humphrey Clinker* ; Johnson, *Lives of the Poets, Preface to the Dictionary ;* Burns, *Songs and Ballads* (Oxford ed.) ; Crabbe, *Poems* ; Jane Austen, *Persuasion* ; *Lyrical Ballads* (with Wordsworth's prefaces) ; Keats, *Odes* ; Shelley, *Adonais, Odes and Lyrics, Epipsychidion* ; Galt, *The Entail* ; Peacock, *Nightmare Abbey* ; Hazlitt, *The Spirit of the Age* ; Browning, Selections (Smith, Elder) ; Tennyson, *Idylls of the King* ; William Morris, *The Story of Sigurd the Volsung* ; Swinburne, *Poems and Ballads* ; Hardy, *The Mayor of Casterbridge* ; Housman, *Shropshire Lad, Last Poems* ; *English and Scottish Ballads,* (ed. Child-Kittredge).

English IIB (Literature and Language)

The work in this course will comprise a study of Old and Middle English (Language and Literature). The following texts will be used :—

Wright, *Elementary Old English Grammar* ; Sweet, *Anglo-Saxon Reader,* Extracts i, viii, ix, xx and xxv ; Sisam, *Fourteenth Century Verse and Prose* (Oxford), extracts ii, viii, xv, xvii ; Chaucer, *Parlement of Foules, The Clerk's Tale, The Shipman's Tale, Rosamund.*

Mondays at 3 p.m. and Wednesdays at 10 a.m. throughout the session.

English IIIA (Literature)

The work of this course will comprise the history of English Literature from 1645 to 1700, with special reference to the following selected texts :—

Milton, *Paradise Lost* (complete, *IX, *X) ; *Paradise Regained ; *Samson Agonistes ; The Tenure of Kings and Magistrates ;* Dryden, **Absalom and Achitophel ; The Hind and the Panther ; Mac Flecknoe ; Critical Essays* (**Essay of Dramatic Poesy ; *Preface to the Fables) ; *All for Love ; Marrige a-la-Mode ; Aurang-zebe ;* Bunyan, *Pilgrim's Progress ; *Grace Abounding ; Life and Death of Mr. Badman ;* Cowley, *Verse and Prose* (Scott Library) ; Marvell, *Poems* (Muses' Library, Vol. I) ; Crashaw, *Poems ;* Vaughan, **Silex Scintillans ;* Butler, *Hudibras,* Part I ; Ault, *Seventeenth Century Lyrics ;* Fuller, Selections (Clarendon Series) ; Pepys, Diary (selections as in Globe edition) ; Temple, *Essays ;*

Dorothy Osborne, *Letters to Sir William Temple;* Fox, *Journal;* Walton, *Lives of Donne and Hooker; The Compleat Angler;* Aphra Behn, *Oroonoko;* Savile, *Advice to a Daughter; The Character of Charles II.;* Nichol Smith, *Characters from the Histories and Memoirs of the Seventeenth Century;* Etherege, *The Man of Mode* Wycherley, *The Country-Wife; The Plain-Dealer;* Congreve, *Incognita; Love for Love; *The Way of the World; The Mourning Bride;* Vanbrugh, *The Provok'd Wife;* Villiers, *The Rehearsal;* Shadwell, *Bury Fair; The Squire of Alsatia;* Otway, *The Orphan; Venice Preserv'd.*

* Texts marked with an asterisk are prescribed for detailed study.

Mondays and Fridays at 11 a.m. throughout the session.

NOTE.—The rotation of Periods is as follows: 1579–1645 1645–1700; 1700–1765; 1765–1832; 1832–1890.

English IIIB (Language)

Outlines of the History of English Language, at hours to be arranged.

The following texts will be read in connection with this course: Sweet, *Anglo-Saxon Reader,* selections ii, x, xviii, xxvi, xxx*a* and *b*, xxxi*a* and *b*, xxxii*b*; Sisam's *Fourteenth Century Verse and Prose,* selections iii, iv, v, x; Shakespeare, *Julius Caesar* (ed. Hudson, Harrap).

Books recommended

Bradley, *The Making of English* (Macmillan).
Jespersen, *Growth and Structure of the English Language* (Blackwell).
Wyld, *Historical Study of the Mother Tongue* (Murray).
Wyld, *Short History of English* (Murray).
Sweet, *Short Historical English Grammar* (Oxford).

FINAL HONOURS AND M.A. COURSES

A. Literature.

HAI. First Year

Essays and Discussions.
In tutorial groups at times to be arranged.

H*a*2. (Scheme A) Second Year

Essays and Discussions.
In tutorial groups at times to be arranged.

H*a*3. (Scheme A and B) Third Year

Early English Literature.
Thursdays at 11 a.m

H*a*4. (Scheme A and B) Second Year

Chaucer.
Thursdays at 12 noon.

H*a*5. (Scheme A and B) Second Year

Shakespeare.
Tuesdays at 11 a.m.

H*a*6. (Scheme A) Third Year

History of Literary Criticism, and Prosody.
Thursdays at 2 p.m.

H*a*7. (Scheme A) Third Year

Essay Class.
Fridays from 10 to 11 a.m. The work will take the form of discussions, following upon papers read by students to the Class. Subject for 1929-30: The Elizabethan Period (1579-1645).

B. Language.

H*b*1. (Scheme A and B) Second Year

The History of English.
Mondays and Wednesdays at 12 noon.

H*b*2. (Scheme A and B) Second Year

Old and Middle English Texts.
Mondays and Wednesdays at 10 a.m.

H*b*3. (Scheme A and B) Second and Third Year

Advanced Middle English Texts.

(i) Third Year. *Sir Gawain and the Green Knight.*
Wednesdays at 10 a.m.

(ii) Second Year. *The Owl and the Nightingale.*
Fridays at 12 noon.

H*b*4. (Scheme A and B) Third Year

Old English Heroic Poetry, with special study of *Beowulf*.
Mondays and Wednesdays at 12 noon.

H*b*5. (Scheme A and B) Second and Third Years

Early Middle English Texts. Scheme B, second year. Scheme A (voluntary) third year.
Fridays at 2 p.m.

H*b*6. (Scheme B) Second and Third Year

Old and Middle English Philology.
Second Year, Thursdays at 10 a.m.; Third Year, Mondays at 10 a.m.

H*b*7. (Scheme B) Third Year

Introduction to Germanic Philology.
Thursdays at 10 a.m.

H*b*8. (Scheme B) Second and Third Year

Old Icelandic.
(i) Second Year, Fridays at 11 a.m.
(ii) Third Year (voluntary); Mondays at 11 a.m.

H*b*9. (Scheme B) Second and Third Year

Gothic.
(i) Second year, Mondays at 11 a.m.
(ii) Third Year, Wednesdays at 11 a.m.

H*b*10. (Scheme B) Second Year

Vedic Philology.
At a time to be arranged.

H*b*11. (Scheme B) Second and Third Year

Medieval Welsh.
At a time to be arranged.

H*b*12. (Scheme B) Second and Third Year

Elementary Old and Middle English Palaeography.
At times to be arranged.

H*b*13. (Scheme B) Second and Third Year

Latin Philology.
Tuesdays at 11 a.m.

H*b*14. (Scheme B) Second and Third Year

(i) Second Year, Russian.
(ii) Third Year, Old Bulgarian.
At times to be arranged.

H*b*15. (Scheme B) Second and Third Year

Modern Icelandic.
At times to be arranged.

H*b*16. (Scheme B) Second and Third Year

Essays and discussions.
(i) Second Year, at a time to be arranged.
(ii) Third Year, Tuesdays at 10 a.m.

Hons. Modern Language Students who offer the History of the English Language may attend this class.

FRENCH LANGUAGE AND LITERATURE

French IA, I**B**

The work done in these two courses is the same in every respect. It will comprise grammar, composition, dictation, and the special study of prescribed authors.

Course I*a* and course I*b* will be held on Mondays, Wednesdays and Fridays at 12 noon.

Books recommended

Vigny, *Cinq Mars* (Calmann-Lévy, Nouvelle Collection illustrée).
V. Hugo, *Légende des Siècles* (Oxford Higher French Series).
A. de Chateaubriant, *M. des Lourdines* (Le Livre Moderne Illustré), J. Ferenczi & Fils).

French IC **(Literature)**

Lectures in French on 19th Century Literature will be given on Tuesdays at 3 p.m. during the first term.

Students taking French for the first year examination are expected to join this class.

Fee, £2.

French IIA

The work in this course will comprise more advanced syntax and composition, the elements either of historical grammar or of phonetics, and the special study of prescribed authors.

Mondays, Tuesdays and Fridays, at 2 p.m.

Books recommended

Molière, *Le Misanthrope* and *Les Femmes Savantes.*
René Bazin, *De toute son âme.*
Bédier, *Tristan et Yseut.*

Additional books recommended for students preparing for the B.Com.

Ch. Gide, *Principes d'Economie Politique.*

French IIB and IIIB (Literature)

Lectures *La comédie classique* (1550-1700) will be given in French on Tuesdays at 3 p.m. during the session.

No entry will be taken for less than two terms.

Fee, £4 for the session ; £3 for two terms.

French IIIA

The work in this course will comprise composition, the elements either of historical grammar or of phonetics and the special study of prescribed authors.

Mondays, Tuesdays and Fridays, at 2 p.m.

Books recommended

Molière, *Le Misanthrope* and *Les Femmes Savantes.*

H. Honours Course

Honours lectures on Monday, 3 p.m., 4 p.m. ; Tuesday, 9 a.m., 10 a.m., 12 noon ; Thursday, 2 p.m. ; Friday, 2 p.m. ; Saturday, 10 a.m.

Students taking Honours should consult the Head of the Department as to the lectures they must attend.

GERMAN LANGUAGE AND LITERATURE

German I

Mondays and Fridays at 3 p.m., and Thursdays at 11 a.m. *or* 2 p.m. (If necessary, the hours of this class *on Thursdays* will be altered).

This course is intended for candidates entering for the first year examination in Arts, Science, and Commerce, and for general students who wish to acquire a greater proficiency in German. In addition to the prescribed work, syntax, dictation, and composition will be studied, and the class will have practice in German conversation.

Books recommended

Moser, *Der Bibliothekar*, Heath.
Heine's Poems, Ginn & Co.
Kuno Meyer, *German Grammar*, parts i and ii (Sonnenschein).

German IIA

Mondays, Wednesdays and Fridays, at 10 a.m.

The work of this class comprises revision of German syntax, the elements of historical grammar and phonetics, study of advanced texts, and composition. The class will be taught in German.

Books recommended

Hein, *Auswahl deutscher Prosa der Gegenwart*, Clarendon Press.
Scheffel: *Trompeter von Säkkingen*, Macmillans.

German IIB

Lectures on Goethe's Predecessors, one hour a week, will be given at time to be arranged.

Fee £4 for the session; £3 for two terms; £2 for one term.

German IIIA

Mondays, Wednesdays and Fridays, at 10 a.m.

The work of this class will comprise revision of German syntax, the elements of historical grammar and phonetics, study of advanced texts, and composition. The class will be taught in German.

H. Honours and M.A. Course

Mondays, Wednesdays and Fridays at 11 a.m.

The work of this class will comprise Historical Grammar, Old and Middle High German Grammar and Literature, and interpretation of Old High German and Middle High German texts. Part of the work taken in this course is also suitable for graduates reading for the M.A. examination.

Books and periods will be found under the Honours School of Modern Languages and Literatures for the B.A. degree with Honours.

SPECIAL CLASSES

S1*a*. Lower Elementary Class for Science Students

Mondays and Fridays at 2 p.m.

This class is intended for beginners. Special attention will be given to students of science and technology.

Books recommended

Fiedler-Sandbach, *First German Course for Science Students* (Clarendon Press).

S1*b*. Lower Elementary Class for Arts Students

Two hours per week.

This class is intended for beginners who desire later to take part in Intermediate and Final work.

Books recommended

Kuno Meyer, *German Grammar*, parts i and ii (Kegan Paul, Trench, Trübner & Co.).

First German Reader and Writer (Sonnenschein).

S2. Higher Elementary Class

Mondays and Fridays at 4 p.m.

This course is intended for students who already possess an elementary knowledge of German. In addition to the study of grammar and composition, the work of this class will include books of general literary interest,

as well as texts bearing on various branches of science. German conversation will be practised.

Books recommended

Kuno Meyer, *German Grammar*, parts i and ii (Sonnenschein).
Second German Reader and Writer (Sonnenschein).
Hodges, *Scientific German* (Heath & Co).

S3. German Institutions

One hour a week, at time to be arranged.

S4. German History and Geography

Two hours a week at times to be arranged.

RUSSIAN LANGUAGE AND LITERATURE

The School of Russian Studies was founded in 1917. Its object is to study the language, literature, history, institutions, economics, and the achievements of Russian scholars in art and science.

The subject is recognised for a University degree both for the ordinary degree and for the degree with Honours. Russian can also be taken under the regulations for the Degree or Diploma in Commerce.

The donor, in endowing the "School of Russian Studies," wrote that he "was of opinion that it would be an illusion to expect that adequate advantage could be taken of Russia as an outlet for our manufactures unless we can be represented out there by our own countrymen equipped with the knowledge of the Russian language."

A certificate (without matriculation or degree) is conferred by the University on students who, after due preparation, can show in examination a thorough practical acquaintance with the Russian language. The course for this certificate extends over not less than two sessions.

Russian IA

Three hours a week at times to be arranged.

This course is intended for candidates entering for the first year examinations in Arts, Science and Commerce, and for general students who wish to acquire a greater proficiency in Russian. In addition to prescribed books, grammar, composition, dictation, and commercial correspondence, there will be practice in Russian conversation.

Books recommended

First year: *Russian Grammar*, by Nevill Forbes. (The Clarendon Press).
Pushkin, *Kapitanskaya dochka; Selected Lyrics.*
Gogol, *The Revisor.*

Russian IIA

The work of this class will comprise revision of Russian syntax, the elements of historical grammar and phonetics, and the study of advanced texts and composition. The class will be taught in Russian.

Books recommended

Handbuch der Altbulgarischen Sprache, by A. Leskien.
Pushkin, *Zygane.*
Lermontov, *selected Lyrics.*
Turgenev, *Zapiski Ochotnika.*

Russian IIB

One hour a week at time to be arranged.

The history of Russian Literature.

Russian IIIA

Three hours a week at times to be arranged.

The work of this class will comprise composition, the elements of historical grammar and phonetics and the special study of prescribed authors. The class will be taught in Russian.

Books recommended

Pushkin, *Boris Godunov.*
Lermontov, *Mzyri.*
Turgenev, *Smoke.*

SPECIAL CLASSES

S1. Lower Elementary Class

Two hours a week at times to be arranged.

This class is intended for beginners. The work of the first year will consist of acquiring a vocabulary (about 800 words), the study of grammar, reading and writing. There will also be practice in Russian conversation.

S2. Higher Elementary Course

Two hours a week at times to be arranged.

This course is intended for students who already possess an elementary knowledge of Russian. The work will comprise grammar, composition, commercial correspondence, the reading of Russian books and conversation. Special attention will be given to students of Science, Technology, and Commerce.

S3. Russian Institutions

One hour a week at time to be arranged.

SPANISH LANGUAGE AND LITERATURE

Spanish I

Three hours a week at times to be arranged.

This course is intended for candidates entering for the Intermediate examinations in Arts, Science, and Commerce, and for general students who wish to acquire a greater proficiency in Spanish. In addition to prescribed books, grammar, composition, and dictation will be studied and there will be practice in Spanish Conversation.

Books recommended

First Spanish Course, by Hills & Ford.
J. R. Jimenez. Platero y yo.

Spanish II

Three hours a week at times to be arranged.

The work of this class comprises the study of prescribed texts (both prose and verse), a period or periods

of Spanish literature, together with grammar, composition and conversation in Spanish.

Books recommended.

Moreto. El Lindo Don Diego. El Desdén con el Desdén.
M. J. de Larra. Articulos de costumbres.
Azorin. Castilla.

Spanish III

The work of this class comprises revision of Spanish syntax, the elements of historical grammar and phonetics, study of advanced texts, and composition. The class will be taught in Spanish.

Books recommended

A primer of Spanish pronunciation. Benj. H. Sanborn & Co., 131, Clarendon Street, Boston.
Lope de Vega. Teatro. Editorial Calleja, Madrid. Vol. I.
Calderón de la Barca. Teatro Editorial Calleja, Madrid. Vol. I.
G. Miró. Libro de Sigüenza.

Spanish Honours

The work of this class comprises Historical Grammar, interpretation of old, seventeenth century and modern texts, and three courses of Literature as follows: up to 1,500 in the first year, classical period in the second year, and the novel of the XIX century in the third year.

HISTORY

History Ia

(Outlines of Greek and Roman History)

Tuesdays and Thursdays at 12 noon.
Greek History to the death of Alexander.
Roman History from 390 B.C. to 14 A.D.

Text Books recommended

For Greek History:
Oman, *A History of Greece* (Longmans) or
Bury, *History of Greece for Beginners* (Macmillan)

For Roman History :

J. L. Myres, *A History of Rome* (Rivingtons), or
J. Wells, *A Short History of Rome* to 14 A.D.

The following Lives in Plutarch will be studied in connection with this course :—*Lycurgus*, *Pericles*, *Fabius Maximus*, *Aemilius*.

The text used will be the translation by Stewart and Long in Bohn's Library. The above Lives are all contained in Vol. I, which can be procured separately.

History IB
(Modern History from 1763 to 1900)

Tuesdays and Thursdays at 12 noon.

History IIA
(English Constitutional History to 1485)

Tuesdays and Thursdays at 12 noon.

History IIB
(Medieval Life and Thought)

Tuesdays and Thursdays at 11 a.m.

This is also a course for candidates for the qualifying examination for candidates for the B.A. degree with Honours in English. Candidates taking History as a subsidiary subject are also recommended to take this course.

History IIC
(Ecclesiastical)

(The lectures in this subject are held at Rawdon College).

The regular course of instruction in Ecclesiastical History at Rawdon College deals with the period from 70 A.D. to 451 A.D.

This is divided into two sections, viz., (*a*) 70 A.D. to 313 A.D., and (*b*) 313 A.D. to 451 A.D., which are taken in alternate years. The period for 1929-30 is 70 A.D. to 313 A.D. Two lectures are given each week, at times arranged at the beginning of each session.

Courses on other periods of Ecclesiastical History are given from time to time by special arrangement.

History IIIA
(Greek History from 478 to 323 B.C.)
Wednesdays and Fridays at 11 a.m.

History IIIB
(Roman History from 30 B.C. to 180 A.D.)
Tuesdays and Thursdays at 10 a.m.

History IIIC
(English History from 1783 to 1906)
Mondays and Fridays at 10 a.m.

History IIID
(The History of the British Empire)
Wednesdays and Fridays at 9 a.m.

HONOURS AND M.A. COURSES

H1. Roman History 44 B.C. to 14 A.D.
Mondays and Wednesdays at 10 a.m.

H2. The same
For students in their third year.
Fridays at 10 a.m.

H3. The Reign of Richard II
Wednesdays and Fridays at 12 noon.

H4. The Reign of Richard II
A supplementary class for students in their third year.
Wednesdays and Fridays at 11 a.m.

H5. English Constitutional History to 1485
Tuesdays and Thursdays at 12 noon.

H6. English History 1688 to 1714
Wednesdays and Fridays at 12 noon.

H7. English History 1688 to 1714

A supplementary class for students in their third year. Fridays at 10 a.m.

H8. European History

Mondays and Wednesdays at 11 a.m.

H9. Materials for Historical Research for Honours Students in their second year

Fridays at 10 a.m.

H10. Essay Class

One hour a week at times to be arranged.

H11. Political Theory

At times to be arranged.

H12. The History of the British Empire

Wednesdays and Fridays at 9 a.m.

H13. Special Class on other Set Books for Honours Students in their first year

Tuesdays and Thursdays at 2 p.m.

The following is a provisional list of the books to be studied :—Homer's *Iliad*, Bks. i-vi (in Lord Derby's translation, *Everyman's Library*) ; Plato's *Republic* (Bks. ii and viii) ; Polybius on the *Roman Constitution* ; Dante's *Divine Comedy* ; Machiavelli's *Prince* ; Burke's *American Speeches* ; *The Covenant of the League of Nations.*

PHILOSOPHY

Philosophy I
Logic

Two Lectures a week throughout the session at times to be arranged.

This course deals with the elements of logic, deductive and inductive. Students will find it useful to familiarise themselves with the elementary formal logic, in some such text-book as *Mellone* before entering the class.

Philosophy IIA
History of Ancient Philosophy

Two lectures and a tutorial class each week throughout the session, at hours to be arranged.

Subjects: The outlines of the history of Greek philosophy with more detailed study of selected works.

Candidates for Honours in Classics attend this class.

Philosophy IIB
History of Modern Philosophy

Two or three lectures each week throughout the session, at hours to be arranged.

Subjects: General outline of modern philosophy from Bacon to Kant, with the special study of selected works.

Philosophy IIC
Psychology

This course will consist of a general outline of the subject, with more detailed study of some part of the subject.

Philosophy IID
Ethics

Two lectures and a tutorial class each week throughout the session, at hours to be arranged.

Subjects: The outlines of ethical theory, together with the elementary psychology of the will, and the study of selected ethical systems.

Philosophy IIE
Political Theory

A historical survey of the subject, with the special study of selected works.

H. Honours Courses

Lectures will be delivered on subjects for the Honours degree, as required, at hours to be arranged.

Lectures on Social Philosophy and Social Psychology will be delivered as required by candidates for the Diploma in Social Organization and students attending courses for Welfare Supervision. Particulars on application to the Professor.

GEOGRAPHY

Geography I

General principles of Geography.

Lectures 2 hours per week throughout the session (Tuesdays and Fridays at 9 a.m.).

Tutorials and practical work of not less than 3 hours per week at times to be arranged.

Geography II

A.—Principles of Human Geography (two hours per week throughout the session).

B.—The Geography of the British Isles (one hour per week throughout the session).

C.—Tutorials and practical work of three hours per week at times to be arranged.

Geography III

Three of the following courses, each one lecture per week throughout the session.

A.—Regional Geography of English Speaking North America.

B.—Regional Geography of India.

C.—Regional Geography of Europe.

D.—Selected studies in Economic Geography.

E.—Selected studies in Historical Geography.

Tutorials and practical work at times to be arranged. All students are required to undertake a Regional Survey under the supervision of a member of the staff.

All students in Geography are required to attend class excursions. At intervals, vacation courses are arranged, in conjunction with other British Universities for the intensive study of type regions at home and abroad.

Courses adapted to requirements of Modern Language students to be arranged as required.

HONOURS COURSES

Probationary Honours

General Principles of Geography and a regional course together with at least one tutorial class per week.

Second Year

A.—Principles of Human Geography—two hours per week.

B.—Geomorphology—one lecture and three hours laboratory per week.

C.—A regional course—one lecture per week. In 1929-30 India.

D.—A course on the History of Geography—one lecture per week.

Tutorials and discussions at times to be arranged. All students are required to undertake a Regional Survey under the supervision of a member of the staff.

Third Year

Lectures and discussion classes, about 8 hours, at times to be arranged.

All students are required to attend class excursions. At intervals, vacation courses are arranged in conjunction with other British Universities for the intensive study of type regions at home and abroad.

ECONOMICS

I. General Economics

The evolution of modern economic conditions. Modern industrial, commercial and social organisation. The national income. Value and distribution.

Tuesday and Thursday at 10 a.m.

FINAL COURSES

IIA. Financial and Commercial Organisation

Business Organisation and management; Large and small businesses; joint stock enterprise; the trust movement. Land and Water Transport. Insurance. Currency and banking, the money market, stock exchange and foreign exchanges. The organisation of foreign trade.

Tuesday and Thursday at 11 a.m.

IIB. Public Finance and Administration

Public expenditure and revenue. Rates, taxes, and public debts. The Budget. Relations of central and local administration. Local Rates. Grants in Aid. Municipal finance and administration. National and Municipal Industries.

Two hours a week at times to be arranged.

IIC. Social Science and Administration

The influence of industrial conditions on social life; the problems of poverty, housing, sweating and unemployment. Some social aspects of industry. Employment of women and children. Schemes of industrial betterment. Industrial and social legislation.

Two hours a week at times to be arranged.

IID. Economic History

A general course beginning with the Manor and ending with the Nineteenth Century, with special attention to a particular period. In connexion with this course Dr. Maud Sellers will lecture in the Spring and Summer terms on "Mediæval Industrial and Municipal Institutions."

Two hours a week at times to be arranged.

IIE. Labour Organisation

Methods of remuneration; trade union organisation; conciliation and arbitration; joint industrial councils, works committees, etc. Industrial fatigue. Trades Boards. Factory legislation.

Friday at 10 a.m.

IIF. Economic Theory

Tutorial instruction at a time to be arranged.

HONOURS AND M.A. COURSES

H1. Advanced Economic Theory

H2. History of Economic Thought

H3. Economic History: Special Period

This class will cover the general Economic History of the period 1485-1660, and will include the use of documents. One hour a week. Dr. Maud Sellers will also lecture one hour a week on "Gilds and Trading Companies in the Sixteenth and Seventeenth Centuries."

Two hours a week.

H4. Political Theory

The nature and duties of the State and the basis of Citizenship.

Two hours a week at times to be arranged.

H5. Constitutional Law

Two hours a week at times to be arranged.

Special Courses

Students in the Economics department may attend other courses provided for students in the department of commerce and social organisation. Courses will normally be offered on The Theory of Statistics; The interpretation of Social Statistics, Local Government, and The Social History of the XIXth century. When required special courses will be given on The Organisation of Foreign Trade; Business Finance; The Banking systems of the chief modern states; and on the economics of the following industries: mining, engineering, iron and steel manufacture, textile manufacture, and transport by land and sea.

EDUCATION

The courses of study organised in connexion with the Department of Education are (1) a Four Year Course, (2) a Course for the Diploma in Education, (3) Post-graduate Courses for the higher degrees of M.A. (Education) or M.Ed. Students may enter upon one or other of the first two courses either as Recognised Students in Training under the Regulations of the Board of Education or without such recognition. In the former case, subject to certain conditions, grants are paid by the Board of Education towards tuition

and maintenance. Recognised Women Students must reside either at home or in a University Hall of Residence ; Men Students who cannot live at home reside in a University Hall of Residence or in registered lodgings.

I. Four Year Course

This course leads to the degree of B.A., B.Sc., or B.Com., together with the Diploma in Education, or the Certificate of the Board of Education. It is open to students who have passed the matriculation examination or its equivalent. The first three years are mainly occupied with academic work for the degree, one half-day a week being set apart for professional work. The fourth year is post-graduate and wholly devoted to professional training. This is the normal course for Recognised Students.

The work in this course is divided into (*a*) Academic (leading to a degree), and (*b*) Professional (leading to the Diploma).

(*A*) Academic

The academic Courses are those for the Degrees of B.A., B.Sc., and B.Com. of the University of Leeds. Honours Courses may be taken by those qualified to enter upon them. The standard of attainments for admission to an Honours Course is that of a satisfactory pass at one of the Higher School Certificate Examinations.

(*B*) Professional

The scope of the work is practically the same as given in Section II. following.

This course of professional training is taken by all Recognised Students in the fourth year, but in the case of those who have failed to pass the final examination for a degree, leads only to the Teacher's Certificate of the Board of Education.

Recognised Students who fail to make satisfactory progress during the first year of the degree course may thereafter follow one of two courses :—

i. With the approval of the Board of Education they may intercalate a year at their own expense and if they make satisfactory progress in this year they may then resume their Recognised Studentship.

ii. They may relinquish their academic work for a degree and spend a year in professional training under the Regulations for the Training of Teachers. On the successful completion of this course they will be recognised as temporarily certificated teachers for a period of two years and six months after leaving the University. In order to qualify for *permanent* recognition as certificated teachers, they will, as a rule, be required during that period to pass the first year's examination for the University degree, or the Board's Final Examination in such subjects as may be prescribed.

II. Post-graduate Course for Diploma in Education

This course is open to graduates of the University of Leeds or other approved Universities, and normally extends over one year.

I. Lectures and Laboratory Work

(*a*) The principles and methods of education and teaching.
(*b*) The psychological bases of education.
(*c*) Physical, intellectual, and moral development of the child.
(*d*) The History of Education (with selected work or works).
(*e*) Educational Systems.
(*f*) Experimental Education (with laboratory practice).
(*g*) Modern Problems in Education.
(*h*) Phonetics.
(*i*) Physical Development, Hygiene and Physical Training.

In addition there are alternative courses in Elementary Philosophy, Scientific Method and Advanced Psychology.

II. Practical Training

The training includes (*a*) demonstrations in teaching by members of the staff of the Department, by other members of the University, and by teachers in the University Demonstration Schools ; (*b*) Criticism lessons and other teaching exercises by the students themselves ; (*c*) Attendance at various schools, elementary, continuation, central and secondary, for observation and practice ; (*d*) visits to special schools and institutions.

Attendance is required at courses on Teaching Illustration by Drawing or Handwork or Needlework.

Courses in Music and Voice Production are provided but are optional.

For those who wish to teach in Secondary Schools the course is arranged to lead to the Diploma in Education for teachers in Secondary Schools. The practical

training is taken mainly in Secondary Schools under specialist teachers.

Candidates for the Diploma in Education may, if they so desire, apply for admission as Recognised Students. If admitted they will be eligible for tuition and maintenance grants subject to certain conditions.

III. Higher Degree Courses

(i) M.A. (EDUCATION).

Education is one of the subjects which may be taken for the degree of M.A. which is open to graduates in Arts of at least one year's standing of the University of Leeds or other approved university. It is awarded for a dissertation or thesis on some educational subject approved by the Board of the Faculty of Arts, together with an examination in one of the branches of the Theory or History of Education. In special cases it is within the power of the Senate on the application of the candidate and on the special recommendation of the Board of the Faculty of Arts, to award the degree on submission of a dissertation only. All candidates may be called upon to present themselves for examination, written or oral, on the theme of their dissertation.

Graduates of approved universities are required to present evidence satisfactory to the Senate that they are qualified to pursue a course of advanced study or research in Education, and to present themselves for the degree of M.A. after not less than two years of such advanced study or research.

(ii) M.ED.

The degree of Master of Education has been established to promote advanced study, independent criticism, and original research in education.

RESIDENCE

(Recognised Students)

Men students who do not live with parents or guardians are required to live in lodgings registered and inspected by the University Authorities, or may apply to reside in the University Hall of Residence for Men.

Women students who do not live with parents or guardians are required to reside in one of the University Halls of Residence for Women.

Recognised Students who live at home or in lodgings receive a maintenance grant from the Board of Education (£26 a year for men and £20 for women) if the Board are satisfied by a certificate from the University Authorities that the student needs it. These grants are paid to the University and are handed over to Recognised Students after deductions have been made for University and Union fees where these are due.

ADMISSION AS RECOGNISED STUDENTS

A. Application for a Four Year Course

1. Candidates must be over 18 years of age on August 1st of the year in which they wish to be admitted, except that under special circumstances candidates who are over 17 and under 18 years of age on that date may be admitted.

2. The qualifying examination must have been passed, as a rule, within the two years and six months preceding the 1st of August in the year of entering the Training Department.

3. Persons who have been recognised as Bursars or as Pupil Teachers under the Board of Education's Regulations for the Preliminary Education of Elementary School Teachers, will not be admitted to the Training Department until the termination of their period of recognition.

4. A candidate is required to have qualified for admission to the University as an undergraduate. (See Regulations as to Entrance Examinations for Degree Students).

5. The qualification for admission as a Recognised Student in Training is covered by the qualification for admission as an undergraduate.

Full information of the Examination Qualifications required by the Board can be obtained from List 176 of the Board of Education, which gives the conditions of admission to Training Colleges (price 1d. from H.M. Stationery Office, Adastral House, Kingsway, London, W.C.2).

6. In the selection of candidates preference is given to those who have obtained good "credits" or "distinctions" at one of the recognised School Certificate Examinations, or have obtained satisfactory results at one of the recognised Higher School Certificate Examinations. All accepted candidates who have not passed the Higher School Certificate Examination before applying for admission are required to enter for that examination and their admission will be conditional on their obtaining satisfactory results.

B. General Conditions for all Recognised Students

1. Candidates, before being accepted, are required by the Regulations of the Board of Education to be examined by the Medical Officer of the Department, and can only be admitted if reported as without physical defect or organic disease, strong and in good health and capable of entering on their course without undue strain.

2. Candidates must be British subjects ordinarily resident in the United Kingdom unless this condition is specially waived by the Board of Education.

3. Candidates will be required to furnish certificates of good character.

4. Candidates on admission will be required to sign a Declaration to the effect that they intend to adopt and follow the profession of teacher in an approved school and acknowledge that in entering a Training Department they take advantage of the Parliamentary Grants by which it is aided in order to qualify themselves for the profession of teacher and for no other purpose.

An approved school includes any Public Elementary School, and any Secondary, Continuation or Central School, Pupil Teacher Centre or Training College in respect of which grants are paid by the Board out of moneys provided by Parliament, and any other School which in the case of any teacher the Board approves in writing for the purpose.

5. Candidates who are in any doubt as to the nature of their qualifications for admission, or for exemption from the Matriculation Examination of the Joint Board, should forward to the Professor of Education an exact and full account of the examinations they have passed, giving date of passing, subjects passed, standard attained in each subject and class obtained. Advice as to the nature of their qualification and of the steps to be taken to qualify for admission will be given on application.

MUSIC

Music I

Harmony, to include—

(*a*) Aural Test in recognising chords, both singly and in succession; also in recognising the various cadences used in music.
(*b*) Harmonising given Bass-parts.
(*c*) Harmonising of Melodies.
(*d*) Analysing of selected passages of Music.

Counterpoint (Strict and Free) up to and including four parts or voices.

Form in Music, including the analysis of the structure of specified works.

The General History of Music.

Music II

Harmony of a more advanced nature, including the writing of original passages to illustrate various modulations or changes of key.

(*a*) Aural tests of a more advanced character.

(*b*) The working of exercises, as a preparation for writing for :—(i) String Quartet ; (ii) the Organ ; (iii) the Pianoforte ; (iv.) Voices.

The General Principles of composition in Music, as a preparation for original work.

Double Counterpoint and Fugue (Analytical and Synthetical).

Writing for the Orchestra.

History of Music (with a specified period for detailed study).

Acoustics.

Original Composition.

DEGREES IN SCIENCE

(*a*) Degrees in Pure Science

Ordinance

1. The degrees in Pure Science[1] shall be:
Bachelor of Science (B.Sc.)
Master of Science (M.Sc.)
Doctor of Philosophy (Ph.D.)
Doctor of Science (D.Sc.)

DEGREE OF BACHELOR OF SCIENCE

2. The degree of Bachelor of Science shall be conferred either (i) as an Ordinary degree, or (ii) as a General Honours degree, or (iii) as a Special Honours degree.

3. All candidates for the degree of Bachelor of Science shall be required to have passed the Matriculation examination or obtained a certificate of exemption therefrom, and thereafter to have pursued courses of study for not less than three academic years.

Regulations

The record of students at their departmental examinations may be taken into account in deciding the results of degree examinations.

Candidates may, with the consent of the Dean of the Faculty in the case of Ordinary and General Honours Degrees or of the Head of the Department in the case of a Special Honours School, present subjects more in number and higher in grade than those required by the Ordinances for those proceeding to a degree. Additional subjects need not be confined to those prescribed in the Regulations for the Science degree.

Candidates presenting a subject at a higher grade and failing to pass therein may, at the option of the examiners, be recommended for a pass in a lower grade.

Candidates who satisfy the examination requirements of the Ordinary degree in two sessions must satisfactorily pursue a course of study in the third session approved by the Board of Science and Technology.

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1 Graduates in Pure Science may also proceed to the degree of Master of Education (M.Ed.)

Concessions to Higher School Certificate Holders

Students taking a Science Degree may be exempted by the Board of Science and Technology from the Introductory courses and corresponding examinations in the subjects already passed in the Higher School Certificate examination, or in an equivalent examination, provided that they have passed the examination at a sufficiently high standard and pursue an approved alternative course of study.

Applications for such exemptions should be made by the student (*a*) to the Head of the Department in which he is presenting himself for Honours in the case of a Special Honours candidate (*b*) to the Dean of the Faculty of Science in the case of any other candidate.

Ordinary Degree of Bachelor of Science

4. Every candidate shall be required to attend approved courses of study and to pass the prescribed examination *either* (i) in two Principal subjects and two Introductory subjects, *or* (ii) in two Principal subjects and one Subsidiary subject *or* (iii) in one Principal subject, two Subsidiary subjects and one Introductory subject. Ordinance

5. The courses of study shall extend over at least three years for a principal subject, two years for a subsidiary subject and one year for an introductory subject.

6. The whole examination in any subject must be taken at one and the same time ; but candidates may present themselves for examination in any subject or subjects when they have completed the prescribed course or courses. The examinations will ordinarily be held in June of each year.

7. Candidates may choose from the subjects specified in the Regulations for the Ordinary degree, provided that either Mathematics or Physics be taken as one of the subjects, and that such other restrictions as are set forth in the Regulations be observed.

Degree of Bachelor of Science with Honours

(N.B.—The following Articles 8-13 apply to both the General Honours and the Special Honours Schools).

8. All candidates shall be required to attend approved courses of study extending over three or four years, and to pass the prescribed examinations, as defined under the Regulations for the General Honours degree and the various Special Honours Schools.

9. Names of candidates who have passed the examination for the degree of Bachelor with Honours will be published in such form as to distinguish the Honours School in which severally they may have passed; the names of those who have passed in Honours being drawn up in three classes, and each class being arranged in alphabetical order.

10. Candidates who have not acquitted themselves so as to deserve Honours, but have reached the standard of the Ordinary degree may be recommended for that degree. They will not be allowed to present themselves a second time for the same Honours examination.

11. Subject to the provision of Articles 18 and 22 below, every candidate for the degree of Bachelor of Science with Honours shall ordinarily be required to present himself for examination at the end of the third or fourth or fifth academic year from the time when he has entered upon one of the courses of instruction approved by the University for such degree, unless he shall present a medical certificate of illness satisfactory to the Senate. The examination shall ordinarily be held in June of each year.

12. Candidates who have passed the examination for the Ordinary degree of Bachelor of Science may, during the following session, proceed with the course of study in an Honours School and may present themselves for examination for the Honours degree in the fourth or fifth session of their University course.

13. Candidates who have passed the Honours examination in any of the Honours Schools may, during the following session, proceed with the course of study in another

Honours School and may thereafter present themselves for examination in this second Honours School in the fourth or fifth session of their University course.

General Honours School

14. The General Honours degree shall be awarded on an examination of a higher standard than that required for the principal subjects of the Ordinary degree examination.

15. Candidates shall present themselves for examination in not fewer than three subjects, to be taken at one and the same time.

16. The class awarded to a candidate shall be determined on the results of the examination taken as a whole, but no credit will be given for any subject in which the candidate falls below a minimum standard prescribed by the Senate.

17. Candidates who propose to proceed afterwards to Special Honours, Medicine, Applied Science or other approved courses of study, may be examined at the end of their second year if approved by the Senate after reports from the Heads of Departments concerned. In no case will a candidate be admitted to a degree until he has completed attendance on approved courses for three academic years (see Article 3).

18. Candidates are allowed a choice of the subjects specified in the Regulations for the General Honours degree, subject to such restrictions as there set forth.

Special Honours Schools

19. Candidates may choose one of the Special Honours Schools specified in the Regulations for the Special Honours degree, and must follow the course of study prescribed for each Special Honours School.

20. Candidates who shall present evidence satisfactory to the Senate that they are qualified to enter upon a course of research may receive permission to pursue such a course, and to offer a thesis on their work in place of part or the whole of the Honours examination ; but no

candidate shall be excused the whole of the Honours examination unless he shall have satisfied the examiners in the subject of his Honours School as a principal subject for the Ordinary degree and in the other subjects prescribed for that Special School.

Each application for the recognition of research work must be made to the Senate not later than the last day of the October preceding the Honours examination, together with a statement of the intended subject of research, and a summary of the course of work actually pursued must be presented not later than the first day of the May preceding the Honours examination.

Candidates whose thesis does not satisfy the examiners shall not receive the Honours degree, but may be recommended for the Ordinary degree.

21. Candidates in one Special Honours School who propose to proceed afterwards to another Special Honours School, Medicine, Applied Science or other approved courses of study, may be examined at the end of the second year if approved by the Senate after reports from the Heads of Departments concerned. In no case will a candidate be admitted to a degree until he has completed attendance in approved courses for three academic years.

DEGREES OF BACHELOR OF SCIENCE IN PURE SCIENCE

I. Ordinary Degree

Regulations

1. Introductory, subsidiary and principal subjects can be selected as follows, subject to the restrictions laid down in the Ordinances for the Ordinary degree, Articles 3–7 :—

Introductory :

Mathematics	Geology
Physics	Geography
Chemistry	A one year course in Arts selected from the first year subjects for the Ordinary B.A. degree.
Zoology	
Botany	

Subsidiary :

Mathematics
Statistics
Physics
Chemistry
Zoology
Botany
Physiology
Geology
Geography
Human and Comparative Anatomy
Bacteriology
Any approved course in Technology

Principal :

Mathematics
Physics
Chemistry
Zoology
Botany
Physiology
Geology
Geography
Human and Comparative Anatomy
Bacteriology

2. Geology and Geography shall not be taken together as principal subjects; students intending to offer Geography as a principal subject must pass in Geology at the introductory stage.

3. Students taking Mathematics as a principal or subsidiary subject may not take Statistics as a subsidiary subject, but may take Statistics S. and Mathematical Laboratory M.L. in place of an introductory subject.

4. Candidates presenting Human and Comparative Anatomy as a principal or subsidiary subject are required to take Introductory Zoology in their first year of study.

5. Candidates presenting Physiology or Bacteriology as a principal or subsidiary subject are required to take Introductory Botany and Introductory Zoology in their first year of study.

6. In the Final examination a paper will be set containing passages of French and German for translation into English, relating to the principal subject or subjects of a candidate's degree course. All candidates may take this paper, and marks will be awarded for correct renderings of such passages. Candidates will be allowed the use of dictionaries at this Language Test examination.

7. Examiners will take account of the command of English language shown by candidates.

II. General Honours School

N.B.—Students who enter for this School with no other qualification than a Matriculation Certificate will not in general be able to attain the necessary standard in the three subjects in less than four years.

1. Candidates must choose at least three subjects from the following list :—

Mathematics	Physiology
Physics	Geology
Chemistry	Geography
Zoology	Human and Comparative
Botany	Anatomy

2. In the Final examination a paper will be set containing passages of French and German for translation into English, relating to the principal subject or subjects of a candidate's degree course. All candidates may take this paper, and marks will be awarded for correct renderings of such passages. Candidates will be allowed the use of dictionaries at this Language Test examination.

III. Special Honours Schools

1. Candidates may choose a Special Honours School from the following list :—

Mathematics	Physiology
Physics	Geology
Chemistry	Human and Comparative
Zoology	Anatomy
Botany	Bacteriology

2. In the Final examination a paper will be set containing, for translation into English, a passage of French and a passage of German, relating to the subject in which the candidate is presenting himself for Honours. All candidates will be required to take this paper, and to satisfy the examiners in the translation of both these

passages. Candidates will be allowed the use of dictionaries at this Language Test examination.

3. All candidates will be required to present themselves for a Degree examination in each subject of their Honours School on completion of their course in that subject.

Degree and Departmental Examinations

1. *Degree Examinations :*

(*a*) Degree examinations as laid down by Regulation will usually be held in June.

(*b*) Every candidate will be required to present himself at the degree examination in each subject at the end of the session in which he has completed his course of study in that subject, unless he has obtained the permission of the Board of Science and Technology to defer his examination.

2. *Departmental Examinations :*

(*a*) In addition to the Degree examinations, Departmental examinations will be held at times and on conditions determined by the Head of the Department concerned. All students studying for a degree are required to submit themselves to such departmental examinations in their subjects of study.

(*b*) In courses extending over more than one session students may not commence the more advanced work of a succeeding session unless they have done the work required throughout the course to the satisfaction of the Head of the Department and have passed the Departmental examinations.

3. *Conditions of entry :*

Entries for the June examinations—both Degree and Departmental—shall in all cases be made through the Clerk to the Senate. Only those students whose lecture and laboratory attendances are approved by

the Heads of Departments concerned, and whose entry forms are received before March 1st, will be admitted to the examinations.

N.B.—The attention of students is drawn to the General Regulations for Students, Clause 12, respecting departmental examinations.

Prescribed Subjects of Study and Examination

I. Ordinary Degree

MATHEMATICS.

Introductory Course (one session).

Subsidiary Course (two sessions) :—
1st year : Mathematics Intro.
2nd year : Mathematics F1 and F2.

Principal Course (three sessions) :—
1st year : Mathematics Intro.
2nd year : Mathematics F1 and F2.
3rd year : Mathematics F3 and F4.

STATISTICS (*as a Subsidiary subject*).
1st year : Mathematics for Applied Science students. J.
2nd year : Statistics S. and M.L.

PHYSICS.

Introductory Course extends over one session. Three lectures in each week with three hours in the laboratory.

Subsidiary Course (two sessions) :—
1st year : Physics Intro.
2nd year : Physics F1, with six hours laboratory.

Principal Course (three sessions) :—
1st year : Physics Intro.
2nd and
3rd years : Physics F1 and F2 with six hours laboratory each week.

CHEMISTRY.

Introductory Course (one session.) Chemistry Intro., with laboratory work.

Subsidiary Course (two sessions) :—
Two of the following courses :—
Chemistry Intro.
Chemistry F1.
Chemistry F2.
Chemistry F3.
With laboratory work.

Principal Course (three sessions) :—
Chemistry Intro., F1, F2, F3, and laboratory work in the Inorganic, Organic and Physical Chemistry laboratories.

ZOOLOGY.

Introductory Course :—

Zoology Intro., two lectures and four hours laboratory weekly.

Subsidiary Course (two sessions) :—

1st year : Zoology Intro., with four hours laboratory.

2nd year : Zoology F Course (A) or (B), according to the session. Three lectures and 6 hours laboratory work throughout one session.

Principal Course (three sessions) :—

1st year : Zoology Intro., with four hours laboratory.

2nd and 3rd years : Zoology F Courses (A) and (B) (two successive sessions). Three lectures and at least six hours laboratory work weekly.

BOTANY.

Introductory Course :—

Botany Intro., six hours a week for session,

Subsidiary Course (two sessions) :—

1st year : Botany Intro. *or* Botany F1 (A or B), with three hours laboratory.

2nd year : Botany F1 (A or B), with six hours laboratory.

Principal Course (three sessions) :—

1st year : Botany Intro.

2nd and 3rd years : Botany F 1 (A and B), with six hours laboratory work for two sessions.

PHYSIOLOGY.

(1) *Subsidiary Course* :—

1st year : Zoology Intro. and Botany Intro.

2nd year : Physiology IIB and IIE.

(2) *Principal Course* :—

1st year : Zoology Intro. and Botany Intro.

2nd year : Physiology IIB. and IIE.

3rd year : Physiology IIc. and IIF. with one additional term practical work.

NOTE.—It is not contemplated that candidates taking Physiology as a subsidiary subject for the Ordinary Degree will be medical students.

GEOLOGY.

Introductory Course :—

Geology Intro : Three hours' lectures, three hours laboratory. Field work : three expeditions (one in each term).

Subsidiary Course (two sessions) :—

1st year : Geology Intro.

2nd year : Geology F1 (three hours), with six hours laboratory.

Geology Field Course : alternate Saturdays throughout the session.

Principal Course (three sessions) :—

1st year : Geology Intro.

2nd and 3rd years : Geology F1 and F2 three hours ; Scheme A (Palaeontology) lecture course, two hours ; Scheme B (Petrology), lecture course, two hours, with six hours laboratory.

Geology Field Course : alternate Saturdays throughout the session.

GEOGRAPHY.

Introductory Course :—

Geography Intro., with three hours laboratory.

Subsidiary Course (two sessions) :—

1st year : Geography Intro.

2nd year : Geography F1, with six hours laboratory.

Principal Course (three sessions) :—

1st year : Geography Intro.

2nd year : Geography F1, with six hours laboratory.

3rd year : Geography F2, with six hours laboratory.

BACTERIOLOGY.

Subsidiary Course (two sessions) :—

1st year : Zoology Intro. and Botany Intro.

2nd year : Bacteriology VIIA. and VIIB. (ii).
Bacteriology IXA.

Principal Course (three sessions) :—

1st year : Zoology Intro. and Botany Intro.

2nd year : Bacteriology VIIA. and VIIB. (ii) and IXA.

3rd year : Bacteriology IXB. and Laboratory Work.

II. General Honours Degree

MATHEMATICS. (Three sessions).

Mathematics F1, F2, F3, F4, G, together with a Course in the History of Mathematics.

PHYSICS. (Three sessions).

Physics Intro., F1, F2 and S, with nine hours laboratory each week for the last two sessions. In addition special reading will be prescribed.

CHEMISTRY. (Three sessions).

Chemistry Intro., F1, F2, F3, together with one Honours Course and laboratory work in the Inorganic, Organic and Physical Chemistry laboratories.

ZOOLOGY. (Three sessions).

1st year : Zoology Intro., with four hours laboratory.

2nd and 3rd years : Zoology F, Courses (A) and (B), extending over two consecutive sessions (three lectures and a minimum of six hours laboratory work weekly).

Zoology H. Discussion class, one hour weekly.

(Students will be exempted from part or the whole of the Introductory Course only when they can submit satisfactory evidence of proficiency).

BOTANY. (Three sessions).

The Principal Course for the Pass B.Sc., together with attendance at the Honours lectures during one session.

NOTE.—Usually the requirements of this course can only be fulfilled by students who are sufficiently prepared to commence work upon the Final Course in their first year.

PHYSIOLOGY.

1st year : Introductory subjects.

2nd year : Physiology IIB. and IIE.

3rd year : Physiology IIc. and IIF. together with attendance at honours lectures and practical work.

GEOLOGY. (Three sessions).

1st year : Geology Intro.

2nd and 3rd years : Geology F1 and F2, with six hours laboratory Scheme A or Scheme B as for Principal Course.

Attendance at the Honours lectures (two hours per week) will be required in the third session.

Geology Field Course : alternate Saturdays throughout the session.

GEOGRAPHY.

1st year : Geography Intro.

2nd and 3rd years : Geography F1 and F2, with one Honours Course and six hours laboratory in each session.

Seminar : One Meeting in each week.

III. Special Honours Degree

MATHEMATICS.

Students taking the Special Honours School of Mathematics will take the Special Honours Courses in Mathematics together with one selected additional subject from Arts, Science, or Applied Science up to the standard of a subsidiary subject in Science after consultation with the Head of the Department of Mathematics. Students wishing to take this additional subject at the standard of a Principal subject may upon producing satisfactory evidence of their knowledge of the subject be excused the one year or Introductory course. Students may be allowed with the consent of the Head of the Department of Mathematics, to substitute for one subject at the Subsidiary standard (i) two additional subjects at the one-year or Introductory standard, or (ii) Statistics and one additional subject at the one-year or Introductory standard.

PHYSICS.

Three Years Course :—

1st year :	Physics Intro. and F1. Mathematics F1 and F2. Chemistry Intro.
2nd year :	Physics F2 and H, with twelve hours laboratory. Mathematics F3 and F4.
3rd year :	Physics H, with twelve hours laboratory.

Four Years Course :—

1st year :	Physics Intro. Mathematics Intro. and F2. Chemistry Intro.
2nd year :	Physics F1 and F2. Mathematics F1 and F3.
3rd year :	Physics H. Mathematics F4.
4th year :	Physics H.

Together with the equivalent of twelve hours laboratory for two sessions.

CHEMISTRY.

(Three or four sessions).

Chemistry : Intro., F1, F2, F3, H1, H2, H3, together with two or more of the short courses (S) on special subjects.

Physics : Intro. and F1 with laboratory work.

Mathematics : J (for Applied science students).

Additional Courses : An additional course or courses selected for from the following list :—

Physics F2.
Mathematics F3 and F4.
Botany for Chemists.
Engineering.
Some specialised branch of either :—
(*a*) Applied Chemistry.
(*b*) Pure Chemistry, such as Colloids or Electrochemistry together with Thermo dynamics.

Other alternatives may be approved after consultation with the Head of the Department.

ZOOLOGY.

Four Years' Course (which may be shortened to three years if the student is sufficiently prepared to begin the Final Course in his first session).

1st year : Introductory Course in Physics or Mathematics J., Zoology, and two other subjects.

2nd and 3rd years : Zoology F. (A. and B.), together with one other Principal or two Subsidiary subjects. (For Agriculture as the equivalent of a Principal subject see (2) below).

4th year : Zoology H., with full-time laboratory work, including approved research or special subject of advanced study.

Provided that a student will be regarded as having satisfied all the conditions for entrance upon the fourth year's course for Honours in Zoology :

either (1) If he has been awarded a class in the General Honours Examination including Zoology as one of his subjects ;

or (2) If he has completed the course laid down for the first three years of the Special Course (*d*) for Honours in Agricultural Zoology.

BOTANY.

Four Years' Course (which may be shortened to three years provided that previous knowledge of the subject enables the student to commence attendance upon the F1 Course in the first session).

1st year : Botany Intro.
Physics Intro. (or Mathematics for Applied Science students).
Chemistry Intro. (unless satisfactory evidence of previous knowledge of this subject can be given).
One other Introductory Course.

2nd and
3rd years : Botany F1 (A and B) together with attendance at Honours lectures in third year, with six hours laboratory.

One other principal subject or two Subsidiary subjects.

4th year : Botany H., with full-time Laboratory work, including the necessary study of a special problem with a view to presentation of a thesis as an integral part of the Honours Examination.

An Honours degree in Botany may also be obtained after a fourth year's study in the Department, by candidates who have taken the course laid down for the first three years of the Special Course C. for Honours in Agriculture.

PHYSIOLOGY.

1st year : Physics Intro.
Chemistry Intro.
Zoology Intro.
Botany Intro.

2nd year : Physiology IIB. and IIE.
Chemistry F3.

Candidates must attain a satisfactory standard in the Departmental Examination in F3.

3rd year : Physiology IIC, IIF. and V.

4th year : Physiology V.

Candidates must take *one* other subject at a Principal standard or *two* other subjects at a Subsidiary standard. The subjects approved are :—

For Principal : Chemistry (in this case H1 *or* H3 must be taken as Additional), Physics, Botany, Zoology.

For Subsidiary : Chemistry, Physics, Botany, Zoology, Anatomy, Bacteriology.

Candidates should consult the Professor of the subject or subjects selected in regard to the work required. All such courses must be taken before the commencement of the candidate's fourth year of study.

GEOLOGY.

(Three or four sessions).

1st year : Geology Intro.
Physics Intro.
Two of the following : Mathematics for Applied Science students, Chemistry Intro., Botany Intro., Zoology Intro., Geography Intro.

Later sessions: Geology F1, F2, H1, Mineralogy, with 12 hours laboratory.
(Schemes A. or B.—Palaeontology or Petrology—will be taken to a higher standard).
One other Principal subject or two Subsidiary subjects.
In addition, candidates will be required to conduct some original research and present a thesis upon their work.

BACTERIOLOGY.

The following Courses are prescribed for students taking this Honours School. Course A or Course B may be followed. The latter is suitable for students proceeding to a medical degree. Students who have an elementary knowledge of Chemistry are recommended to take Chemistry F2 in their first year, F3 in their second year, and H1 in their third year.

Course A :—

1st year: Physics Intro.
Chemistry Intro. or F2.
Zoology Intro
Botany Intro.

2nd year: Bacteriology IXA.
Chemistry F2 or F3.
Physiology I., or Physics F1, or Zoology F1, or Botany F1.

3rd year: Bacteriology VII.
Chemistry F3, or H1, or H3.
Physiology Vc. or VI., or Zoology F1, or Botany F1.

4th year: Honours work in Bacteriology.
Bacteriology IXB. and Research.

Course B :—

Candidates may take the normal course for the M.B., Ch.B. degrees, taking in addition in their second year Bacteriology IXA., and Chemistry F2 or F3; and in their third year Chemistry F3 or H1 or H3. Subsequently to passing Part I. of their Final M.B. they shall pursue the fourth year's Honours Course in Bacteriology. This fourth year shall be entirely devoted to bacteriological work.

(*b*) Degrees in Applied Science

1. The degrees in Applied Science[1] shall be :— Ordinance

Bachelor of Science (B.Sc.)
Master of Science (M.Sc.)
Doctor of Philosophy (Ph.D.)
Doctor of Science (D.Sc.)

1. Graduates in Applied Science may also proceed to the Degree of Master of Education (M.Ed.)

DEGREE OF BACHELOR OF SCIENCE

2. The degree of Bachelor of Science shall be conferred either (i) as an Ordinary degree, or (ii) as a Special Honours degree.

3. All candidates for the degree of Bachelor of Science shall be required to have passed the Matriculation examination or obtained a certificate of exemption therefrom, and thereafter to have pursued courses of study for not less than three academic years.

Regulation

The record of students at their departmental examinations may be taken into account in deciding the results of degree examinations.

Candidates may, with the consent of the Dean of the Faculty in the case of Ordinary and General Honours Degrees or of the Head of the Department in the case of a Special Honours School, present subjects more in number and higher in grade than those required by the Ordinances for those proceeding to a degree. Additional subjects need not be confined to those prescribed in the Regulations for the Science degree.

Candidates presenting a subject at a higher grade and failing to pass therein may, at the option of the examiners, be recommended for a pass in a lower grade.

Candidates who satisfy the examination requirements of the Ordinary degree in two sessions must satisfactorily pursue a course in the third session approved by the Board of Science and Technology.

Concessions to Higher School Certificate Holders

Students taking a Science Degree may be exempted by the Board of Science and Technology from the Introductory courses and corresponding examinations in the subjects already passed in the Higher School Certificate examination, or in an equivalent examination, provided that they have passed the examination at a sufficiently high standard and pursue an approved alternative course of study.

Applications for such exemptions should be made by the student (*a*) to the Head of the Department in which he is presenting himself for Honours in the case of a Special Honours candidate, (*b*) to the Dean of the Faculty of Science in the case of any other candidate.

Ordinary Degree of Bachelor of Science

4. Every candidate shall be required to attend courses of study as set forth in the Regulations for his particular School of Applied Science. Ordinance

5. The courses of study in each School of Applied Science shall extend over at least three years.

Degree of Bachelor of Science with Honours

6. Candidates shall be required to attend the prescribed courses of study as defined under the Regulations for the various Special Honours Schools of Applied Science and to pass the prescribed examinations.

7. Names of candidates who have passed the examination for the degree of Bachelor with Honours will be published in such form as to distinguish the Honours School in which severally they may have passed ; the names of those who have passed in Honours being drawn up in three classes, and each class being arranged in alphabetical order.

8. Candidates who have not acquitted themselves so as to deserve Honours, but have reached the standard of the Ordinary degree, may be recommended for that degree. They will not be allowed to present themselves a second time for the same Honours Examination.

9. Every candidate for the degree of Bachelor of Science with Honours shall ordinarily be required to present himself for examination at the end of the third or fourth or fifth academic year from the time when he has entered upon one of the courses of instruction approved by the University for such degree, unless he shall present a medical certificate of illness satisfactory

to the Senate. The examination shall ordinarily be held in June of each year.

10. Candidates who have passed the examination for the Ordinary degree of Bachelor of Science may, during the following session, proceed with the course of study in a Special Honours School and may present themselves for examination for the Honours degree in the fourth or fifth session of their University course.

11. Candidates who have passed the Honours examination in any of the Special Honours Schools may during the following session proceed with the course of study in another Special Honours School, and may thereafter present themselves for examination in this second Honours School in the fourth or fifth session of their University course.

Special Honours Schools

12. Candidates may choose one of the Special Honours Schools in Applied Science specified in the Regulations for the Special Honours Degree in Applied Science, and must follow the course of study as prescribed in the Regulations for each Special Honours School in Applied Science.

13. Candidates who shall present evidence satisfactory to the Senate that they are qualified to enter upon a course of research may receive permission to pursue such a course, and to offer a thesis of their work in place of part or the whole of the Honours examination ; but no candidate shall be excused the whole of the Honours examination unless he shall have satisfied the examiners in the subject of his Honours School of Applied Science up to the standard of the Ordinary degree in that School.

Each application for the recognition of research work must be made to the Senate not later than the last day of the October preceding the Honours examination, together with a statement of the intended subject of research, and a summary of the course of work actually

pursued must be presented not later than the first day of the May preceding the Honours examination.

Candidates whose thesis does not satisfy the examiners shall not receive the Honours degree, but may be recommended for the Ordinary degree.

DEGREE OF BACHELOR OF SCIENCE IN APPLIED SCIENCE

Ordinary and Honours Degrees

Regulations

Candidates may choose an Applied Science School (Ordinary or Honours) from the following list :—

Civil Engineering
Mechanical Engineering
Electrical Engineering
Mining Engineering
Gas Engineering
Fuel and Metallurgy
Chemistry of Leather Manufacture.
Colour Chemistry and Dyeing
Agriculture
Textiles (*Ordinary only*)

Ordinary Degree in Applied Science

In the Final examination a paper will be set containing passages of French and German for translation into English relating to the principal subject or subjects of a candidate's degree course. All candidates may take this paper, and marks will be awarded for correct renderings of such passages. Candidates will be allowed the use of dictionaries at this Language Test examination.

Examiners will take account of the command of English language shown by candidates.

Honours Degree in Applied Science

In the Final examination a paper will be set containing, for translation into English, a passage of French and a passage of German, relating to the subject in which

the candidate is presenting himself for Honours. All candidates, except Engineering candidates, will be required to take this paper, and to satisfy the examiners in the translation of both these passages. Engineering candidates may take this paper, and marks will be awarded for correct renderings of such passages. Candidates will be allowed the use of dictionaries at this Language Test examination.

N.B.—Detailed subjects of study for degrees in Applied Science (Ordinary or Honours) will be found set forth in the various Departmental prospectuses.

Degree and Departmental Examinations

1. *Degree Examinations :*
   (*a*) Degree examinations as laid down by Regulation will usually be held in June.
   (*b*) Every candidate will be required to present himself at the degree examination in each subject at the end of the session in which he has completed his course of study in that subject, unless he has obtained the permission of the Board of Science and Technology to defer his examination.
2. *Departmental Examinations :*
   (*a*) In addition to the Degree examinations, Departmental examinations will be held at times and on conditions determined by the Head of the Department concerned. All students studying for a degree are required to submit themselves to such departmental examinations in their subjects of study.
   (*b*) In courses extending over more than one session students may not commence the more advanced work of a succeeding session unless they have done the work required throughout the course to the satisfaction of the Head of the Department and have passed the Departmental examinations.
3. *Conditions of entry :*

Entries for the June examinations—both Degree and Departmental—shall in all cases be made through the Clerk to the Senate. Only those students whose lecture

and laboratory attendances are approved by the Heads of Departments concerned, and whose entry forms are received before March 1st, will be admitted to the examinations.

N.B.—The attention of students is drawn to the General Regulations for Students, Clause 12, respecting departmental examinations.

DEGREE OF MASTER OF SCIENCE

1. The degree of Master of Science may be conferred, Ordinance on payment of the proper fee and subject to the conditions laid down in paragraphs 2 and 3 :—

(*a*) Upon Bachelors of Science of the University who have graduated with Honours of not less than one year's standing and other Bachelors in any Faculty of not less than two years' standing ;

(*b*) Upon Graduates of other Universities, who have been accepted by the Senate as candidates for the degree of M.Sc., and who have prosecuted approved research in the University for not less than two years ;

(*c*)*Upon persons whose qualifications have been accepted by the Senate in lieu of a degree, and who have prosecuted approved research in the University for a period of two years or more, as determined by the Senate in each case.

2. Candidates for the degree of Master of Science shall in all cases prosecute research on a subject approved by the Board of the Faculties of Science and Technology, and shall thereafter present to the Senate a thesis embodying the results of their research. They shall also submit themselves to an examination if required.

3. Candidates who are required under Article 1, § (*b*), (*c*) to prosecute research in the University for a period of two or more years may obtain permission from the Senate to spend one or more years in acquiring a competent knowledge of a new subject provided that

* The attention of persons who desire to avail themselves of Section (*c*) is directed to Statute XIII, to Ordinance IX and to the particulars relating to the Matriculation examination in the University Calendar.

the whole of the final year is devoted to post-graduate study and research.

Regulations

1. Candidates admitted under the provisions of Article 1 (*b*) or (*c*) shall be required to fulfil the following conditions :—

(*a*) To be registered as students of the University.

(*b*) To pursue a course of advanced study or research under the supervision of the Head of the Department concerned.

(*c*) To give evidence to the Senate at the end of the first year of their period of study that their work has been satisfactory, and at the end of their course they shall be required to present a dissertation, and to satisfy such further test, if any, as the Senate shall deem expedient. They may be called upon to present themselves for an examination,—written, or oral, or both—in the theme of their dissertation.

2. Graduates of the University of Leeds shall be required to present a dissertation, and to satisfy such further test, if any, as the Senate shall deem expedient. They may be called upon to present themselves for an examination—written, or oral, or both—in the theme of their dissertation.

3. A copy of the thesis submitted in support of the application will be retained in the University Library.

DEGREE OF MASTER OF EDUCATION

(see under Degrees in Arts).

DEGREE OF DOCTOR OF PHILOSOPHY

(see under Degrees in Arts).

DEGREE OF DOCTOR OF SCIENCE

Ordinance

1. The degree of Doctor of Science is conferred by the University upon registered Masters of Science or Doctors of Philosophy of the University who shall be deemed by the Senate, after considering a report from one or

more of the Boards of Faculties, to have distinguished themselves by their original contributions to science.

Provided that the Senate may, in such cases as it shall think fit, after considering a report from one or more of the Boards of the Faculties, also require candidates to pass such an examination as it may from time to time determine.

2. A Master of Science or a Doctor of Philosophy of the University may make application for the degree of Doctor of Science in the sixth, or any subsequent year from the date of his admission to the Bachelor's degree, or from the date of his acceptance as a candidate for the M.Sc. or Ph.D. degrees.

3. If the application be approved by the Senate, the degree may be conferred at the expiration of not less than six years from the date of admission to the Bachelor's degree, or from the date of his acceptance as a candidate for the M.Sc. or Ph.D. degrees.

Regulations

4. Application for the degree of Doctor of Science shall be made in writing to the Clerk to the Senate before February 1st in any session. It should be accompanied by three copies of the thesis and/or publications submitted in support of the application. Theses not already published shall be drawn up in a form suitable for publication. In the case of work submitted under joint authorship, the applicant shall be required to indicate to the satisfaction of the Senate his own share in the joint production. A copy of the thesis submitted in support of the application will be retained in the University Library.

DIPLOMAS IN SCIENCE AND TECHNOLOGY

Ordinance

Diplomas shall be granted by the University, in such subjects as the Council may from time to time determine, to students who pursue the courses of study and pass the examinations prescribed.

The Council is empowered to make from time to time Regulations under which such Diplomas shall be awarded.

The award of Diplomas under the provisions of this Ordinance is delegated to the Senate.

Regulations

Candidates for Diplomas are required to give satisfactory attendance upon all the subjects which form part of their course of study, and to present themselves for any departmental examinations that may be held in the same. The record of students at their departmental examinations will be taken into account in deciding the results of Diploma examinations.

At the close of the course, candidates will be required to present themselves for such examination in the main subject of study as may be prescribed.

Some deviation from these courses may be sanctioned in special cases, and students who on entering upon a Diploma course produce evidence that they possess a sufficient knowledge of the work done during a part of the course will be allowed to dispense with a certain amount of attendance. Applications for exemption from attendance should be made to the Head of the department concerned, who shall bring them before the Standing Committee of the Senate appointed to deal with such matters.

Diplomas are granted by the University in the following subjects :—

Animal Biology
Civil Engineering
Mechanical Engineering
Electrical Engineering
Mining Engineering
Fuel and Metallurgy
Gas Engineering
Dyeing
Colour Chemistry
Leather Manufacture
Textiles (Post-graduate).
Textile Industries (Technological).

(For Regulations governing the award of these Diplomas see the respective departmental prospectuses).

COURSES IN SCIENCE

MATHEMATICS

Intro. Introductory Course in Mathematics

Mondays and Fridays at 2 p.m. and Wednesdays at 9 a.m.

Subjects : Trigonometry, Calculus, Statics and Dynamics, Hydrostatics, etc.

J. Mathematics for Applied Science Students

Mondays, Tuesdays, Wednesdays and Fridays at 9 a.m.

Subjects : Trigonometry, Calculus, Analytical Geometry, Statics, Dynamics, Hydrostatics, etc.

F1. Pure Mathematics

Mondays, Wednesdays and Fridays at 12 (noon).

Subjects : Selected portions of Pure Mathematics.

F2. Applied Mathematics

Tuesdays and Thursdays at 12 noon (or 9 a.m. if necessary).

Subjects : Selected portions of Applied Mathematics.

F3. Pure Mathematics

Mondays, Wednesdays and Fridays at 10 a.m.

Subjects : Further portions of Higher Algebra ; Elementary Theory and Applications of Power Series ; Differential Equations ; Analytical Geometry of three dimensions ; Mathematical laboratory, etc.

F4. Applied Mathematics

Mondays, Wednesdays and Fridays at 12 (noon).

Subjects : Easier portions of more advanced theoretical Mechanics ; other selected branches of Applied Mathematics.

G. Pure and Applied Mathematics

At hours to be arranged.

Subjects : Selected portions of more advanced branches of Pure and Applied Mathematics.

Honours Courses

The Honours Course in Mathematics consists of the study of those general branches of both Pure and Applied Mathematics, with which every graduate in Mathematical Honours is expected to be familiar. In addition the student is asked to choose that special branch of mathematics in which he is particularly interested and attends special lectures on this subject and its ancillary subjects.

R. Introduction to Statistics

Selected portions of Pure Mathematics as a basis for the study of Statistics. Elementary treatment of Statistical Data with practical applications. (The course is primarily intended for students of Commerce).

S. Statistics

At hours to be arranged.

Subjects: Mathematical theory of Statistics including practical applications.

M.L. Mathematical Laboratory.

Subjects: Graphics and methods of numerical computation: practice in the manipulation of numerical data by the use of calculating machines.

PHYSICS

Chair endowed in 1884 by public subscription in memory of the late Lord Frederick Cavendish, first President of the Yorkshire College

LECTURE COURSES

Introductory Courses

INTRO. B.

The following subjects, experimentally illustrated, will be included in the course: Electricity, Magnetism, Sound, Light, Heat, and Properties of Matter. Suitable Text Books will be recommended by the lecturer.

INTRO. C.

A course similar to Intro. B., but intended particularly for Medical and Dental Diploma students, and compressed into the first two terms.

F1. Final Course

This course is intended for students taking Physics as a subsidiary subject.

F2. Final Course

This course is intended for students taking Physics as a principal subject.

Prospective students must have obtained at least a second class in the Introductory Departmental examinations or in default are required to take the Introductory course again concurrently with this course, unless specially exempted by the Senate.

Acquaintance with the principles of the Differential and Integral Calculus is necessary in this course.

H. Honours Course

The complete course extends over two sessions.

Reading references, including both text books and original papers, are freely given during the course.

Honours students are recommended to attend lectures in their 2nd or 3rd years on some subject other than Physics, such as for example History, English, Economics, Electrical Engineering, Agriculture, Textiles, etc. No examination in the chosen subject will be required, although one may be taken for test purposes if desired.

S. Special Courses

Special short courses on particular subjects will be arranged from time to time. These courses may be attended voluntarily by any student of Physics beyond the Introductory standard, and in approved cases by students not normally working in the Department.

For the present session it is hoped to arrange short courses on the following subjects :—

1. Some results of Modern Physics.
2. X-rays.
3. Crystal structure.
4. Experimental Mechanics for first year students desiring to attend.

*5. Applied optics.

The times will be arranged, so far as is practicable, to suit the convenience of students wishing to attend.

* This course will be given if students are forthcoming.

The following time table shows the hours at which lectures are expected to take place :—

	9 to 10.	10 to 11.	11 to 12.	12 to 1.	2 to 3.	4 to 5.
MON. ..	..	Intro. *c*	F1 ; H	..	F2	..
TUE. ..	H	Intro. *b* S2	S3	S4	F2 Intro *c*	S1
WED. ..	..	Intro. *c*	F1 ; H	..	..	..
THU. ..	H	Intro. *b* S2	S3	..	..	..
FRI. ..	..	Intro. *c*	F1 ; H	S4	F2	..
SAT. ..	S4 ; H	Intro. *b*	S3	..	..	..

PHYSICS LABORATORIES

The Introductory, Final and Honours laboratories are open between the hours of 9.30 and 12.30 in the mornings, and between 2 and 5 in the afternoons, but students' times of attendance are arranged at the beginning of the session, and must not be altered subsequently without permission.

The *minimum* of laboratory attendance required from students of various grades is indicated below :—

Introductory B.Sc. course	three hours	per week	for 3 terms.
First M.B. course ..	four ,,	,,	2 ,,
Final courses :—			
Subsidiary ..	six ,,	,,	3 ,,
Principal	six ,,	,,	6 ,,
Honours (General)	nine ,,	,,	6 ,,
Honours (Special)	twelve ,,	,,	6 ,,

CHEMISTRY

LECTURE COURSES

Introductory Course

Mondays, Wednesdays, and Fridays, at 12 (noon), throughout the session.

Intro. *a*

Mondays, Thursdays and Fridays, at 2 p.m. throughout the session. This course is similar to the above, but is intended for medical and dental students.

In connection with these courses a tutorial class will be held one hour weekly throughout the session at times to be arranged

Analytical Chemistry

Two short courses of lectures at times to be arranged.

Course A.

This is intended for first year students, and will deal chiefly with qualitative analysis.

Course B.

This is intended for more advanced students, and will deal with both qualitative and quantitative work.

FINAL COURSES

F1. Inorganic Chemistry

Mondays, Wednesdays, and Fridays, at 10 a.m., throughout the session.

F2. Physical Chemistry

Tuesdays, Thursdays, and Saturdays, at 10 a.m., throughout the session.

F3. Organic Chemistry

Tuesdays, Thursdays, and Saturdays, at 12 (noon), throughout the session.

F4. Medical Organic Chemistry

Fridays, at 12 (noon), and Saturdays, at 9 a.m., during the first and second terms.

HONOURS COURSES

H1. Inorganic Chemistry

Tuesdays and Thursdays, at 9.30 a.m. throughout the session.

H2 Physical Chemistry

Mondays and Fridays, at 9.30 a.m. throughout the session.

H3. Organic Chemistry

Wednesdays and Saturdays, at 9.30 a.m. throughout the session.

SPECIAL COURSES

Short courses on special branches of chemistry will be given for students in the honours school. The subjects treated will include Electrochemistry, Atomic Structure, History of chemistry and special branches of organic chemistry.

Colloid Chemistry.

Two courses of lectures will be given

C.1. An elementary course intended primarily for students of applied science and dealing with the main features of disperse systems.

C.2. A more advanced course intended for honours students.

Times will be arranged at the beginning of the session.

Opportunities for practical work in this branch will be given to students possessing the necessary experience in chemical methods.

PRACTICAL CHEMISTRY

General Laboratory Courses

Laboratory Courses of instruction are provided in Inorganic, Organic, Medical Organic and Physical Chemistry. Students must have received a thorough training in chemical manipulation and in analytical methods before proceeding to any special branch of practical work.

Each student will be furnished with a separate working bench, a set of re-agents, water and gas, and will be required to provide himself with a regulation set of apparatus on entry,[1] and also, if necessary, a few of the more costly re-agents, and any expensive materials which he may need for the purposes of original investigation. Apparatus of a special or expensive character may be obtained on loan, subject to such conditions as may be prescribed by the Professors.

Practical Course in Sanitary Chemistry

Tuesdays and Thursdays, from 2 to 5 p.m.,[2] during the first and second terms.

This course is arranged on the lines laid down by the General Medical Council and is designed to meet the requirements of the Medical Officers of Health.

It will include practical instruction or demonstrations in the sanitary examination of water, air and food, and on the properties of gases, and the laws of heat.

Special fee £8 8s

1 For the convenience of students a supply of apparatus is kept at the University, and may be purchased from the laboratory steward.

2 These hours are subject to re-arrangement.

INSTITUTE OF CHEMISTRY

Students wishing to qualify for admission to the Institute of Chemistry should consult the Regulations obtainable from the Registrar, Institute of Chemistry, 30, Russell Square, London, W.C.1.

ZOOLOGY

LECTURE COURSES

Intro. Introductory Course

Lectures on Mondays and Fridays at 11 a.m. throughout the session. Practical work on Tuesdays from 2 to 4 p.m. and on Wednesdays from 10 to 12 (noon) throughout the session.

Subjects

Terms i and ii.—General principles of animal organisation, physiology and reproduction. Elementary comparative anatomy.

Term iii.—The outlines of embryology, entomology and parasitology.

Practical Work

Terms i and ii.—Amœba, a Flagellate, Hydra, Fasciola, Earthworm, Amphioxus, Dogfish, Frog, Rabbit.

Term iii.—Monocystis, Tænia, Cockroach, Culex and Anopheles; development of Frog, Chick and Rabbit

Intro. a. Course for First M.B. Examination

The Zoological part of the course for the First M.B. examination in Biology coincides with the Introductory course above.

Practical class on Tuesdays, 11 to 1, and Thursdays, 11 to 1.

F. Final Course (Principal)

Lectures on Tuesdays and Thursdays at 11 a.m. throughout the session, and at another hour to be arranged.

Groups A and B will be taken in alternate years, each occupying one session.

Laboratory work and tutorial class, seven hours per week, Students are also expected to take part in field excursions and to spend part of the Easter or Summer vacation at the University's Marine Laboratory at Robin Hood's Bay.

A. (1) MORPHOLOGY OF INVERTEBRATA. Two lectures a week.
Term i.—A selected Class examined in detail,
,, ii.—Systematic Survey of Invertebrata.
,, iii.—Arachnida and Insecta.

(2) BIONOMICS AND INVERTEBRATE EVOLUTION. One lecture a week.
Term i.—First Principles.
,, ii.—Primary Aquatic Life.
,, iii.—Terrestrial and Secondary Aquatic Life.

B. (3) MORPHOLOGY OF CHORDATA, with EMBRYOLOGY. Two lectures a week.
Term i.—Protochordata and a Vertebrate Class examined in detail.
,, ii.—Comparative Anatomy of Vertebrata.
,, iii.—General Embryology, Budding and Regeneration.

(4) BIONOMICS AND VERTEBRATE EVOLUTION. One lecture a week.
Term i.—Cytology and Genetics.
,, ii.—Osteology, Palæontology and Geographical Distribution.
,, iii.—Development of Evolutional Theory.

Final Course (Subsidiary)

Students offering Zoology as a subsidiary subject will take, according to the year, *either* A *or* B.

H. Honours Courses

The hours for special Honours lectures will be arranged with students at the beginning of the session.

S. SPECIAL COURSES

S. 1. Genetics and Parasitology

Two lectures weekly, with practical work.

This course is recognised as a subject for the First M.B. examination for candidates conditionally exempted from Physics, Zoology or Botany.

S.2. Animal Biology and Evolution

Two lectures and demonstrations weekly throughout the session, with practical work, at times to be arranged (provisionally Tuesday and Thursday at 12 noon).

Recognised as an alternative Introductory course for the B.A. degree, and as part of the normal course for the Diploma in Animal Biology.

Syllabus :—General principles of animal organisation, physiology, reproduction, development, and evolution. Heredity and sex. The evolution of family and social life. The behaviour of animals. Instinct, intelligence, and the development of æsthetics.

D. Diploma in Animal Biology

Students from Training Colleges, who have completed the normal Training College course for the Teaching Certificate, may qualify for this Diploma by one year's full-time study in the Zoological Department, and by satisfying the Examiners at the end of the session.

Students preparing for this Diploma will ordinarily be required to pursue the following courses of lectures and practical work, unless exemption from particular courses be granted by the Head of the Department on the ground of previous knowledge, or to facilitate special studies :—

1. Introductory Degree Course (Intro.).
2. Subsidiary Final Course for the year, including a period at the Marine Laboratory (F, A or B).
3. Special Course in Genetics and Parasitology (S.1).
4. Special Course in Animal Biology and Evolution (S.2).

The Examination for the Diploma will occupy two days, and will include the Subsidiary Degree paper on the work of the year and a Special paper covering the other subjects studied, together with corresponding practical examinations.

ZOOLOGICAL LABORATORY

The Zoological laboratory will be open daily from 9.30 a.m. to 5 p.m. (Saturdays, from 9.30 a.m. to 12.30 p.m.).

Each student is required to provide himself with a pocket lens, a set of *dissecting instruments* (a suitable case

is made by Reynolds & Branson, Ltd., Leeds, and sold at 13s. 6d.), and a *biological drawing book* (to be obtained in the laboratory).

Microscopes may be had on loan from the University at the rate of 15s. each per session for elementary work, and £1 1s. each per session for advanced work.

First M.B. students can obtain the loan of Microscopes for their courses in both Zoology and Botany at the rate of 15s. each per session; other students taking both Zoology and Botany may pay a composite fee of £1 2s. 6d. per session for elementary work or £1 10s. per session for advanced work.

These fees must be paid in advance to the Accountant immediately after the student has arranged with the Laboratory Steward for the loan of a Microscope.

BOTANY

LECTURE COURSES

Intro. Introductory Course.

On Tuesdays and Thursdays from 9 to 10 a.m. and from 11 a.m. to 1 p.m. throughout the session.

This course includes the study of the life history of the flowering plant with especial reference to the relation of form and structure to function.

Experimental study of the simpler problems in plant metabolism, transpiration, &c.

The principles of classification and systematic botany will be briefly considered in the case of the flowering plants, and students will obtain practical experience in the use of a flora.

Each student is required to provide himself with a microscope, a pocket lens, a biological drawing book, two razors, a strop, a scalpel and a pair of forceps.

Intro. *a*. Course for First M.B. examination

Mondays (12 noon to 1 p.m.), Tuesdays (2 to 5 p.m.), Wednesdays (10 a.m. to 1 p.m.), and Thursdays (2 to 5 p.m.) during the third term only.*

This course includes the study of the life history of the flowering plant with especial reference to the relation of form and structure to function.

Experimental study of the simpler problems in plant metabolism, involving an elementary study of permeability, tissue respiration, photo-synthesis, translocation of food substances, &c.

The study of the life history of some Algæ and Fungi in especial relation to the phenomena of saprophytism and parasitism in contrast to the normal metabolism of the green plant.

Experimental methods for investigation of relations between micro-organisms such as yeast and the medium in which it grows. Study of fermentation processes with methods of pure cultures.

Intro. *b*. Course for B.A. candidates

Two hour lectures and two hours laboratory per week.

The study of the flowering plant, its form, structure and physiology.

A brief study of the life history of certain types representing the main divisions of the vegetable kingdom.

Intro. *c*. Course for Students of Honours Chemistry

Two lectures and two hours laboratory work throughout one session. This course follows the general line of the syllabus given under Intro. *a*, but special attention is paid to the chemical problem of plant physiology and to methods for the study of micro-organisms which have bearing upon industrial applications of fermentation processes.

Fi. Final Course: Botany

Lectures on Mondays, Wednesdays and Fridays at 10 a.m. throughout the session. Either of the courses A and B in a somewhat modified form, will rank as a subsidiary course for the degree.

The details of the course, for students taking Botany as a subsidiary course, will be arranged in consultation with the Professor.

A. Comparative morphology: Algæ, Fungi and Bryophyta.
Physiology of metabolism.
Cytology and Heredity.

B. Comparative morphology: Pteridophyta, Gymnosperms and Angiosperms.
Ecology. Systematic Botany.
Physiology of Growth and Water relations.

A course of laboratory work on each of the above courses will be provided each session.

The two years' course will prepare for the Final B.Sc. examination.

H. Honours Course

Special additional courses of Lectures will be given for Honours students at 11 a.m. on Mondays, Wednesdays and Fridays throughout the Session. They will include advanced lectures in morphology and physiology in the form of short courses on special topics.

Laboratory courses will be arranged in consultation with the Professor.

BOTANICAL LABORATORY

The Botanical laboratory will be open daily from 10 a.m. to 5 p.m. except on Saturdays.

Microscopes may be had on loan from the University at the rate of 15s. each per session for elementary work, and £1 1s. each per session for advanced work.

First M.B. students can obtain the loan of Microscopes for their courses in both Zoology and Botany at the rate of 15s. each per session; other students taking both Zoology and Botany may pay a composite fee of £1 2s. 6d. per session for elementary work or £1 10s. per session for advanced work. These fees are charged for the use of a microscope during the hours the student is in laboratory classes.

These fees must be paid in advance to the Accountant immediately after the student has arranged with the Laboratory Steward for the loan of a Microscope.

PHYSIOLOGY AND BACTERIOLOGY

For courses in these departments, see Medical Prospectus.

GEOGRAPHY

Students intending to offer Geography as a Principal subject must pass in Geology at the Introductory Stage.

Introductory Course

General principles of Geography.

Lectures two hours per week throughout the session (Tuesdays and Fridays at 9 a.m.).

Tutorials and practical work of not less than three hours per week at times to be arranged.

F1 Course

A.—Principles of Human Geography (two hours per week throughout the session).

B.—*Either* Geomorphology (one lecture and three hours laboratory work per week throughout the session) *or* The Geography of the British Isles (one hour per week).

C.—Tutorials and practical work at times to be arranged (6 hours per week).

F2 Course

A.—*Either* Geomorphology *or* The Geography of the British Isles (the course chosen being the one at which attendance has not been made in F1) and two of the following :—

B.—Regional Geography of English Speaking North America.

C.—Regional Geography of India.

D.—Regional Geography of Europe.

E.—Selected studies in Economic Geography.

F.—Selected studies in Historical Geography.

Tutorials and practical work at times to be arranged. All students are required to undertake a Regional Survey under the supervision of a member of the staff.

All students are required to attend class excursions. At intervals, vacation courses are arranged in conjunction with other British Universities for the intensive study of type regions at home and abroad.

GEOLOGY

LECTURE COURSES

Intro. Introductory Course

Lectures on Mondays, Wednesdays and Fridays at 11 a.m. throughout the session.

Subjects: Cosmogonies; The Earth's position in the Universe; the form, size, density and movements of the earth; the elements of mineralogy; igneous, sedimentary and metamorphic rocks; processes of denudation and deposition; oceanography; movements of earth's crust and their effect upon topography; volcanoes; earthquakes—their cause and effects; Historical Geology; the interpretation of fossil fauna and flora; the building of the British Isles.

Practical Work: Three hours per week throughout the Session.

Subjects: Examination of hand specimens of common rock forming minerals, ores and other minerals of economic importance; rocks and fossils; interpretation of geological maps, elementary crystallography.

Field Work: Three excursions to important districts in Yorkshire will be made during the session.

FINAL COURSES

F1. Final Course in Geology

Mondays, Wednesdays and Fridays at 2 p.m. throughout the session; for students taking Geology as a subsidiary subject and for students taking Geology as a principal subject in the first year of their Final Course.

Subjects: The earth viewed as a whole; the deep interior of the earth; volcanic activity ancient and modern; deformations of the earth's crust; orogenic and epeirogenic movements; isostasy; permanence of continents and ocean basins—past and present theories; detailed study of sedimentation as exhibited at the present day; glacial geology; the last ice age in Britain; the principles and elements of stratigraphical Geology and Palaeontology.

F2. Advanced Geology

Three lectures a week throughout the session at hours to be arranged, for students taking Geology as a principal subject in the second year of their Final course.

Subjects : The Stratigraphical Geology of the British Isles in detail ; foreign deposits which assist in the interpretation of this area.

F3. Final Courses in Palæontology

F. 3*a*.—One lecture a week throughout the session for all students taking Geology as a principal subject in the first year of their Final course.

Subjects : The general outlines of Palaeontology ; Morphology of Selected groups of Invertebrates ; Relation of Geology and Palaeontology ; the principal faunal assemblages.

F. 3*b*.—One lecture a week for all students presenting Palaeontology at Final and Honours (Scheme B) Standard.

Subjects : Taxonomic and Evolutionary study of the Invertebrates ; Zonal Palaeontology ; Faunal Provinces ; Vertebrate Palaeontology ; Palaeobotany.

F4. Final Courses in Petrology

F4*a*.—One lecture a week for all students taking Geology as a principal subject in the first year of their Final course.

Subjects : Rock-forming minerals and their optical properties. Classification of Igneous and Sedimentary Rocks ; Metamorphic Rocks.

F4*b*.—One lecture a week for all students presenting Petrology at Final and Honours (Scheme A) standard.

Subjects : The Genesis of Igneous Rocks. Distribution of Igneous Rocks ; Petrographical Provinces. Detailed examination of Sedimentary Rocks.

HONOURS COURSES

H1. Honours Course in Geology

Special additional courses of lectures will be given for students reading for Honours at times to be arranged.

H2. Mineralogy

A course of 30 lectures and demonstrations will be given for students reading for Honours Geology (Scheme A); for students of Mining Engineering and others.

Times to be arranged.

Subjects: Principles of Crystallography; Physical and Chemical Properties of Minerals. The Genesis of Ore deposits; Metasomatism and Secondary enrichment. Important mining districts of the World with special reference to the British Isles.

SPECIAL CLASSES

S. Agricultural Geology

A course of about 60 Lectures will be given during the first and second terms on Wednesdays at 10 a.m. and Fridays at 12 noon.

Subjects: The position of the earth in the Solar System and its movements; determination of temperature Zones; Seasons. Igneous, Sedimentary and Metamorphic Rocks. Processes of denudation and soil formation; deposition of sediments; warp; forms of stratification; simple earth movements. Stratigraphical Geology with special reference to Yorkshire; drift deposits; Yorkshire soils. Elementary considerations of water supply, road and building stones, etc.

Practical Work: Thursdays from 2 to 5 p.m. Examination of common minerals and rocks. Interpretation and use of Geological Maps (solid and drift).

Field Geology: One or more excursions will be arranged in the second term.

Field Course

For all students other than those taking Introductory Geology.

A course of practical instruction in the field will be given on alternate Saturdays during the session. Visits will be made to districts within reach of Leeds to study the geological features and also to map certain areas.

During the Easter Vacation one week will be devoted to the study of some special area not accessible in the ordinary course.

DEPARTMENT OF ECONOMICS AND COMMERCE

The Department of Economics and Commerce offers opportunities for the study of industrial, commercial and social questions. Students who have specially entered in this department may qualify for the Ordinary or Honours Degree of Bachelor of Commerce after three years training. In addition to this special training, lectures are given within the Faculty of Arts itself, and students may proceed to a Degree in Arts after taking classes in social and economic subjects. The Honours course in Economics and Political Science offers a broad training to those who desire to take an Honours degree in Arts, while giving special attention to the study of social and industrial questions.

The department has thus been created to meet more than one need. In the first place, business education is still far less organised in England than in some other countries. Academic instruction cannot take the place of the numerous details on which success in business depends, but, on wider matters of policy, knowledge of detail cannot take the place of some training in industrial causation and tendencies.

In the second place, there is an increasing demand for knowledge on social affairs. Public and private enquiry have made available a great mass of ascertained facts regarding many aspects of the problem of work and wages in relation to social welfare. The Universities are the natural channel for the communication of this knowledge, which is otherwise apt to be shelved and neglected.

Finally, there is the need in every industrial centre for research and investigation into local industries and affairs. This requires trained faculties, a knowledge of the right questions to ask, and of how to use figures.

The Degree in Commerce

Appended are the Ordinances and Regulations for the degree in Commerce and the syllabus of the subjects comprising the commercial group in that degree. The following explanatory remarks may prove useful to the intending student.

There are obvious differences between a Commerce degree and a degree in Law, Medicine or Applied Science. In each of the latter the chief subjects are intimately connected with or essential preliminaries to professional practice. There are no subjects which have a similar bearing upon the whole field of commerce; nor is there any comparable clinical material upon which the student can work. Again, Commerce, in the sense in which it is employed for the purpose of this degree, does not merely mean buying and selling, but covers a wide range of organising and administrative functions, both in public departments and in private industry and commerce. The appropriate training for the many forms of economic activity for which a commerce degree has been established can only be provided, therefore, by offering a wide choice of subjects. Nevertheless, there is a group of subjects which should be studied by all who seek a career in the world of business and in some branches of public administration; and this group provides the nearest approach which seems possible towards the technical subjects in the other degrees to which reference has been made.

The degree course is thus made up of two parts.

The first part, which must be taken by all students, comprises Economics, Commercial Law, Accountancy and *either* Mathematics and Statistics *or* Geography.

The course in Economics extends over three years. In the first year it will consist of general economic principles; in the second it will include the organisation of industry, commerce and finance. In the third year the student will be required, among other things, to make a detailed study of a special problem to which further reference is made below. The prescribed course in Commercial Law is taken

during the first two years, and a course in Accountancy (including systems of costing and business administration) in the third year.

During the first two years, the student must have taken a prescribed course *either* (*a*) in Mathematics (first year) and Statistics (second year), *or* (*b*) in Geography.

The second part contains a large number of options which may be illustrated by a few typical cases. Students who aim at becoming textile manufacturers or woollen merchants for the wholesale trade will doubtless desire to devote part of their time to the study of textile manufacture, though not so much as is given to it by bleachers or dyers, whose training is mainly highly technical. In that event they will attend the Introductory course in Physics, and, in the first part, will choose Mathematics and Statistics, the study of the latter being important for the textile industry, the former being an essential introduction to statistics and allied to physics. The special economic subject to be studied in the third year would be the Economics of the Textile Industries. The full course would thus be constituted as follows :—

First year : Economics ; Commercial Law ; Mathematics, Course J ; Physics.

Second year : Economics ; Commercial Law ; Statistics ; Textile Manufacture.

Third year : Economics ; Accountancy ; Textile Manufacture.

The substitution of Engineering for Textile Manufacture, and the Economics of the Steel and Engineering Industries for the Economics of the Textile Industries would provide the appropriate degree course for the commercial and administrative branches of engineering.

As a further illustration may be considered the case of a student who intends to go abroad as foreign agent. He would naturally take Geography in the first part of the scheme and, in the second part, two languages, one studied for three years, the other for the first two years. The special economic subject to be studied in

the third year would be the organisation of foreign trade and the banking systems of selected countries. The full course might be constituted as follows :—

First year : Economics ; Commercial Law : Geography ; French ; Spanish.

Second year : Economics ; Commercial Law ; Economic Geography ; French ; Spanish.

Third year : Economics ; Accountancy ; French (or Spanish).

It will thus be seen that the degree in Commerce approaches closely to a degree in Arts on one flank, and, on the other, to a degree in Applied Science. Many combinations are possible, all of which, however, include Economics, Commercial Law and Accountancy.

Degree of Bachelor of Commerce

Ordinance

1. The degree in Commerce shall be that of—
Bachelor of Commerce (B.Com.)

2. The degree of Bachelor of Commerce shall be conferred as an Ordinary degree or as a degree with Honours.

3. All candidates for the degree of Bachelor of Commerce shall be required to have passed the Matriculation examination, and thereafter to have pursued approved courses of study for not less than three academic years.

Ordinary Degree of Bachelor of Commerce

4. The complete course of study for the Ordinary degree of Bachelor of Commerce shall be divided into two parts, called respectively the Intermediate course and the Final course.

5. Every candidate shall be required to pass two examinations, the Intermediate and the Final.

6. The Intermediate and Final examinations shall ordinarily be held in June. There shall also be a supplementary Intermediate examination in September, at which those candidates only may present themselves who have obtained the permission of the Senate.

7. Candidates who have failed at an Intermediate examination in June, and have obtained permission to present themselves at the following supplementary examination may be excused such part of the supplementary examination as the combined examination Committee, on report from the Examination Committee of the degree of Bachelor of Commerce, may determine.

8. All students shall be required, before presenting themselves for the Intermediate or Final examination, to furnish certificates testifying that they have regularly attended the prescribed courses of study, and performed the class exercises to the satisfaction of the Professor or Lecturers, in each of the subjects which they offer at the examination.

Intermediate Course and Examination

Every candidate shall be required, after passing the Matriculation examination, to attend, during not less than one academic year, approved courses of instruction and to pass an examination in each of the following subjects :— Regulations

i. Economics.

ii. Commercial Law.

iii. One of the following groups (*a*) and (*b*) :—

(*a*) (i.) Mathematics J, and (ii) Physics or Geology or Chemistry.

(*b*) (i) Mathematics J, or Geography, and (ii) *Two* of the following : —French, German, Spanish, Russian, English Literature, Modern History, Logic, Geography (if not selected under (i)), Mathematics J. (if not selected under (i)).

The examination in each modern foreign language shall include an oral examination.

Candidates who intend to select v. (*f*) in the Final course may substitute Mathematics R for Mathematics J in the Intermediate course.

Final Course and Examination

Every candidate shall be required to attend approved courses of instruction, and to pass an examination in each of the following subjects, studied either for two years as principal subjects or for one year as subsidiary subjects as hereinafter prescribed, viz. :—

i. Economics : principal subject.
ii. Commercial Law : subsidiary subject.
iii. Accountancy : subsidiary subject.
iv. Either Statistics or Economic Geography : subsidiary subject.
v. *One* of the following :—
(*a*) Engineering (principal subject).
(*b*)[1] Textiles (principal subject).
(*c*) Mining (principal subject).
(*d*) Agriculture (principal subject).
(*e*) Printing* (principal subject).
(*f*) One principal *and* one subsidiary subject from the following lists :—

Principal subjects : French, German, Spanish, Russian, English, History, Philosophy, Law (including Constitutional and International).

Subsidiary subjects : French, German, Spanish, Russian, English, History, Philosophy, International Law, Constitutional Law, Mathematics, Geography.

Provided that no candidate shall be admitted to the Final courses (*a*) in Statistics unless he has taken Mathematics J or R in the Intermediate course ; (*b*) in Engineering or Textile manufacture unless he has taken Mathematics for Applied Science Students and Physics in the Intermediate course ; (*c*) in Mining, unless he has taken Mathematics for Applied Science students and Geology in the Intermediate course ; (*d*) in Agriculture, unless he has taken Chemistry in the Intermediate course.

[1] If this subject is selected, Textiles Introductory must be taken in the first year.

* A special prospectus relating to the degree in Commerce for Printing students may be obtained on application to the Registrar.

Provided further that no candidate shall be admitted to the final course in Printing in the third year unless he has (*a*) taken Mathematics for Applied Science students and Physics in the Intermediate course and Statistics as a subsidiary subject; (*b*) attended a prescribed course in Engineering during the second year and prescribed courses in Printing during the first two years.

The examination in each modern foreign language shall include an oral examination.

An English essay shall also form part of the examination.

Candidates who have taken the course of study in a subsidiary subject in the first year of the Final course may present themselves at the end of that year for examination in such subject. The same subject may not be taken as a principal and subsidiary subject. The course in Accountancy may not be taken before the third year.

N.B.—These regulations do not entitle a candidate to the right of presenting himself for examination in a subject in which the University may, for the time being, be unable to provide instruction. Regulations

Degree of Bachelor of Commerce with Honours

1. Candidates for the degree of Bachelor of Commerce with Honours shall, except as hereinafter stated, be required to furnish certificates of having attended courses of instruction approved by the University and extending over not less than three academic years in the Honours School hereinafter specified. Ordinance

2. The Honours School referred to in this Ordinance shall be, unless otherwise stated, the Honours School of Economics as defined by the Regulations for the Degree of Bachelor of Commerce with Honours.

3. Every candidate for the degree of Bachelor of Commerce with Honours shall be required to present himself for examination at the end of the third or fourth academic year from the time when he has entered upon

one of the courses of instruction approved by the University for such degree unless he shall present a medical certificate of illness satisfactory to the Senate. This examination shall ordinarily be held in June of each year.

4. Candidates for the degree of Bachelor of Commerce with Honours may present themselves for examination in the Honours School on furnishing certificates of having pursued, to the satisfaction of the Senate, the courses required for such Honours School.

5. Candidates who have passed the Final examination for an ordinary degree of Bachelor of Commerce may, with the sanction of the Senate, and on furnishing certificates of having attended, during the academic year following such Final examination for the ordinary degree, the third year's, or during the two academic years following such Final examination, the second and third years' course approved by the University for the Honours School, present themselves for the degree of Bachelor of Commerce with Honours.

6. No candidate for a degree of Bachelor of Commerce with Honours shall be admitted more than once to examination in the Honours School.

7. Students who have passed the Final examination for the degree of Bachelor of Science with Honours, or the degree of Bachelor of Arts with Honours in any other School than that of Economic and Political Science, or the degree of Bachelor of Laws with Honours may be admitted to the Final examination for the degree of Bachelor of Commerce with Honours after the expiration of one or two years, on presenting certificates of having attended, during the period in question, courses approved by the University.

Provided that candidates shall not present themselves for the Final examination in the Honours School more than two academic years after the Final examination in Honours already passed by them, and also that no candidate shall be admitted to examination in the Honours School after a longer period than five years has elapsed since the date of his first entrance upon a prescribed course of study for an Honours School.

8. Names of candidates who have passed the examination for the degree of Bachelor of Commerce with Honours shall be published in three classes, each class being arranged in alphabetical order.

9. Candidates who have not acquitted themselves so as to deserve Honours may be excused the whole or such part of the examination for the Ordinary degree as the Combined Examination Committee may determine.

Honours Course and Examination

Regulations

Candidates for the degree of Bachelor of Commerce with Honours in Economics shall be required to pursue courses of study, and to submit themselves to examination, as follows:

The course of study for the first academic year shall include the following subjects: (1) Economics, (2) Mathematics, J or R, (3) Modern History, (4) French or German or Spanish or Russian, and (5) one of the following:—Logic, English, Geography, Constitutional Law, International Law, Modern Language (if not already taken), Physics, Chemistry or Geology. An examination will be held in these subjects at the end of the first year, and must be passed before proceeding to further study.

(Candidates who have passed the above Intermediate examination, but are unable to continue their Honours course, may apply to the Senate for permission to proceed to the Final course and examination for the Ordinary degree of B.Com.)

Some modification of the First Year course and examination may be made, subject to the approval of the Board of the Faculty of Arts, in the case of students who have obtained a Higher School Certificate.

Attendance on the full course for the Intermediate Examination for the Ordinary degree of B.Com., may also be accepted by the Senate as the required attendance for the first year of the Honours Course.

During the second and third years candidates shall be required to attend approved courses in the subjects of the School of not less than five hours per week in each year.

They shall also be required to attend, during the second and third years, approved courses of lectures on other subjects amounting to not less than two hours a week in each year.

Examination

Essay, one paper.
Economics (including Industrial and Commercial Organisation), three papers.
Economic History, one paper.
Geography or Statistics, one paper.
Commercial Law, one paper.
A special economic subject, one paper.

In addition candidates shall be required to present a dissertation on some subject approved by the Board of the Faculty of Arts.

Candidates shall also be required to show in the examination some knowledge of at least one foreign language.

Diploma in Commerce

Candidates for the Diploma in Commerce must either be graduates of some University of the United Kingdom or have obtained one of the following diplomas granted by the University of Leeds :—Civil Engineering, Electrical Engineering, Gas Engineering, Mechanical Engineering, Mining Engineering, Colour Chemistry, Dyeing, Fuel and Metallurgy, Leather Manufacture, Textile Industries, Social Organisation and Public Service. Applicants who have obtained such diplomas of other Universities in the United Kingdom as shall be approved for this purpose by the Senate of the University of Leeds may also be admitted as candidates for the Diploma.

The course extends over one session, and consists of the following subjects :—The organisation of industry and commerce ; business finance and administration ; accountancy ; commercial law, and *either* statistics *or* economic geography *or* some other subject approved by

the Senate. The course may be modified, with the approval of the Senate, to meet the special requirements of individual students. Candidates will be expected, before entering upon the course, to have studied the elementary principles of Economics. An examination in each subject will be held at the end of the course.

Ordinary Degree of B.A.

The Ordinary degree of B.A. can be taken with Economics as a Principal Subject at the Final Standard. Ordinance

Honours Degree of B.A.

Candidates for the degree of Bachelor of Arts with Honours in Economics and Political Science shall be required to pursue courses of study, and to submit themselves for examination, as follows :—

The course of study and the examinations for the first academic year shall normally be the same as for the Ordinary degree of Bachelor of Arts, provided that at least one of the following subjects must be included: (1) Economics ; (2) Logic.

Some modification of the courses and examinations required for the first year may be made, subject to the approval of the Board of the Faculty of Arts, for candidates who have obtained a Higher School Certificate.

During the second and third years candidates shall be required to attend approved courses in the subjects of the school of not less than five hours a week in each year.

They shall also be required to attend, during the second and third years, approved courses of lectures on subsidiary subjects, the number of lectures amounting to not less than two hours a week in each year.

Examination

Essay, one paper.
Principles of Economics, two papers.
History of Economic Theory, one paper.
Economic History, one paper.
Political Theory, one paper.
Constitutional Law, one paper.
A special Economic subject, one paper.

In addition, candidates shall be required to present a dissertation on a subject approved by the Board of the Faculty of Arts.

Degree of Master of Commerce (M.Com.)

Ordinance

1. The degree of Master of Commerce may be conferred, on payment of the proper fee, and subject to the conditions laid down in *Articles* (2) (3) *and* (4) on :

(*a*) Registered Bachelors of Commerce of the University who have graduated with Honours, after not less than *one* year from the date of their graduation ;

(*b*) Other registered graduates of the University and graduates of other approved universities, after not less than *two* years from the date of their graduation.

2. Candidates who are not registered Bachelors of Commerce of the University shall be required :

(*a*) to satisfy the Senate that they are qualified to pursue advanced study or research within the field of Economics and Commerce ;

(*b*) to attend approved courses of study within the University for not less than *two* years ; but it shall be in the power of the Senate, on the recommendation of the Board of the Faculty of Arts, to excuse specially qualified graduates of the University from this attendance.

3. Every candidate, with the exception provided for under *Article* (4), shall present a thesis, satisfactory to the Senate, on a subject approved by the Board of the Faculty of Arts, embodying the results of his independent study or original research within the field of Economics and Commerce.

4. Registered Bachelors of Commerce of the University who have not graduated with Honours may be permitted or required, in place of the thesis prescribed under *Article* (3), to submit themselves for examination in a course or courses upon which instruction is given within the department of Economics and Commerce, and to present a dissertation satisfactory to the Senate on a subject approved by the Board of the Faculty of Arts.

Regulations

1. Candidates who are not registered graduates of the University must become registered as students of the University.

2. Candidates who are not registered Bachelors of Commerce of the University shall be required:

(*a*) to pursue a course of advanced study or research under the supervision of the Head of the Department of Economics and Commerce;

(*b*) to give evidence to the Senate at the end of the first year of their period of study that their work has been satisfactory.

3. Candidates may be required to submit themselves for examination (written, or oral, or both) in the subject of their thesis (or dissertation).

Courses of Study

The following syllabus explains more in detail the nature of the various courses.

Economics

INTERMEDIATE COURSE

I. General Economics

The evolution of modern economic conditions. Modern industrial, commercial and social organisation. The national income. Value and distribution.

Tuesday and Thursday at 10 a.m.

FINAL COURSES

II (*a*). Financial and Commercial Organisation

Business Organisation and management; Large and small businesses; joint stock enterprise; the trust movement. Land and Water Transport. Insurance. Currency and banking, the money market, stock exchange and foreign exchanges. The organisation of foreign trade.

Two hours a week at times to be arranged.

II (*b*). Public Finance and Administration

Public expenditure and revenue. Rates, taxes and public debts. The Budget. Relations of central and local administration. Local Rates. Grants in Aid. Municipal finance and administration. National and Municipal Industries.

Two hours a week at times to be arranged.

II (*c*). Social Science and Administration

The influence of industrial conditions on social life ; the problems of poverty, housing, sweating and unemployment. Some social aspects of industry. Employment of women and children. Schemes of industrial betterment. Industrial and social legislation.

Two hours a week at times to be arranged.

II (*d*). Economic History

Two hours a week at times to be arranged.

II (*e*). Labour Organisation

Methods of remuneration ; trade union organisation ; conciliation and arbitration ; joint industrial councils, works committees, etc. Industrial fatigue. Trades Boards. Factory legislation.

One hour a week at a time to be arranged.

II (*f*). Economic Theory

One hour per week at a time to be arranged.

When required the following special courses will be provided :—

S1. The organisation of Foreign Trade.
S2. Business Finance.
S3. The Banking systems of selected countries.
S4. Insurance.
S5. The organisation of Stock and produce markets.
S6. Public Administration.
S7. Municipal Finance and Administration.
S8. The economics of any one or more of the following industries : Agriculture ; mining ; iron and steel ; engineering ; textiles ; printing ; transport by land and sea.

HONOURS AND M.A. COURSES

H1. Advanced Economic Theory

H2. History of Economic Thought

H3. Economic History: Special Period

H4. Industrial and Financial Organisation

Classes in the above subjects will be held at times to be arranged.

H5. Political Theory

The nature and duties of the State and the basis of Citizenship.

Two hours a week at times to be arranged.

H6. Constitutional Law

Two hours a week at times to be arranged.

Accountancy (Third Year)

[NOTE.—A knowledge of Book-keeping will be assumed in this course].

Financial Accounts: Cost Accounts: Business Administration.

Times to be arranged.

Mathematics and Statistics

First Year Course (3 hours).

Study of the mathematical principles and processes required, together with an introductory course in the application of statistical principles to practical problems.

Second Year Course (3 hours).

Mathematical Laboratory and Computation:
Statistical Method.

Statistics (for Honours B.Com.)

More advanced treatment of Statistical Theory.

Geography

Intermediate: Principles of Geography.
Final: Elements of Economic Geography.

Commercial Law

First year : 1 hour per week at a time to be arranged.

Second year : 1 hour per week at a time to be arranged.

For Honours B.Com. students, more advanced treatment of the above.

DIPLOMA IN SOCIAL ORGANISATION AND PUBLIC SERVICE

The courses of study for the Diploma in Social Organisation are designed to provide specialised training for students who are preparing to engage in social work, either voluntarily or in salaried positions.

As administrative social work becomes more standardised there is a marked tendency to demand of candidates for salaried posts a sound knowledge of economic and social conditions. Government departments, Municipal Authorities, progressive employers and others now realise that the well-trained administrator should see the interests and problems of life as a whole, and not in isolated sections. This may be observed, for example, in the Public Health Services and in the selection of Welfare Workers, Probation Officers, Relieving Officers, Juvenile Advisory Committee Officers, and the paid officials of social agencies.

The growth of the teaching of Civics or Citizenship also demands of the teachers some knowledge of social history, industrial conditions and the machinery of central and local government.

Efficient voluntary social work depends increasingly upon the accuracy with which members of voluntary bodies can conduct investigations, interpret evidence and statistics, and devise remedies appropriate to the problems presented. Councils of Social Service, Guilds of Help, Friendly Societies, Trade Unions, Co-operative Societies and the numerous clubs and religious and educational agencies, offer a very wide field to the trained social student.

Admission to the Course

Candidates for the Diploma should have passed the matriculation examination of the Joint Matriculation Board, or some equivalent examination. Non-matriculated candidates will be required to present evidence that their experience and education have been such as to enable them to profit by the course.

The course will begin in October in each year.

Courses of Study

The full course for the Diploma extends over two years, and consists of lectures in the University together with practical work under the direction of the Tutor in Practical Work.

First Year Lectures :

ECONOMICS	Two hours a week
INDUSTRIAL AND SOCIAL HISTORY	One hour a week.
SOCIAL PSYCHOLOGY ..	One hour a week.
LOCAL GOVERNMENT ..	One hour a week.
PUBLIC HEALTH AND HYGIENE	One hour a week.

Second Year Lectures :

SOCIAL SCIENCE AND ADMINISTRATION (including Industrial Legislation)	Two hours a week.
SOCIAL ETHICS	One hour a week.
SOCIAL STATISTICS ..	One hour a week.
OPTIONAL SUBJECTS* ..	Two hours a week.

Training of Hospital Almoners

Each candidate for the position of Hospital Almoner is required to take the Diploma in Social Organisation and Public Service before proceeding to the rest of her training.

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* The majority of candidates will probably take a special course on Labour Organisation, but other subjects may be taken if they are more suitable for the particular career the candidate has in view.

Practical Work

In each year of the course the equivalent of two full days a week will be devoted to practical social work under the direction of the Tutor in Practical Work.

Examinations

An examination will be held at the end of each year of the course. The Diploma will be awarded to students who have passed both first and second year examinations and have presented a satisfactory thesis on their practical work.

Separate Classes

Students who are unable to devote two years to the full Diploma course will be admitted by special arrangement to such of the classes as may suit their requirements on payment of the fees for the separate classes in addition to the Library fee.

THE DEPARTMENT OF LAW

The Law Department exists for the purpose of providing tuition in law for those desiring either to proceed to a degree in law, or to sit for the professional examinations necessary to qualify either as a solicitor or a barrister.

The position of a man who is about to become a solicitor may be summarised as follows :—

He must decide whether he wishes to take a degree or not. If he wishes to take a degree, he may follow one of the following courses :—

(*a*) Read for a degree before entering into articles, and so secure two years exemption from articles.

(*b*) Enter into articles without any exemption for the period of five years ; read for a degree during the first three years ; if he takes his degree, he will be exempt from the legal part of the Law Society's intermediate examination, and will have covered practically the whole of the ground required for the final examination of the Law Society.

(*c*) Enter into articles with an exemption of one year due to having been placed in the first class of the Matriculation Examination in which he took Latin, as a subject.

If it is decided not to take a degree then the Law Student can attend the courses appropriate to the professional examinations, and so comply with the provisions of the Solicitors Act, 1922.

A detailed statement of the Ordinances and Regulations for the degrees in Law will be found upon subsequent pages.

The courses appropriate to the degree of LL.B. are set out first, and it is then indicated which will be of service to students for professional examinations only.

Courses for the degree of LL.B.

Consideration of revision of the courses for the degree examinations is contemplated, but at present they are as follows :—

INTERMEDIATE COURSES—FIRST YEAR'S WORK.

1. *Roman Law.*
   One hour per week.
   Time to be arranged.
2. *Elements of English Law.* Professor HUGHES.
   Two hours per week.
   Time to be arranged.
3. *The Law and Custom of the English Constitution.* Mr. JENNINGS.
   One hour per week.
   Time to be arranged.

FINAL COURSES—SECOND AND THIRD YEARS' WORK.

1. *Property and Conveyancing.* Mr. HAGGEN.
   One hour per week for two sessions.
   Time to be arranged.
2. *Equity including Partnership and Company Law.* Mr. HAGGEN.
   Hours as for Property and Conveyancing.
   Time to be arranged.
3. *Common Law I.*, including Contract, Tort, Bills of Exchange, Sale of Goods, Carriage, and kindred branches of Common Law. Mr. HAGGEN.
   Hours as for Property and Conveyancing.
   Time to be arranged.
4. *Common Law II.* Criminal Law, Evidence, Procedure, including Bankruptcy. Mr. HAGGEN.
   Hours as for Property and Conveyancing.
   Time to be arranged.
5. *Jurisprudence.* Professor HUGHES.
   One hour per week for one session.
   Time to be arranged.

The hours and dates for lectures will be fixed in such a way as to involve attendance at the University for two afternoons per week, with an additional hour for jurisprudence in the morning before one of the afternoons chosen for final courses.

Candidates who wish to obtain the degree of LL.B. with honours may do so by attending the above courses, but will be set separate papers of a higher standard at the Final Examination.

Tuition Fees

(*a*) *Full Course :—*

Degree of LL.B.	£13 11s. per session (including Union Fee)
Final Examination of the Law Society.	£11 11s. per session.
Statutory Course for Certificate under the Solicitor's Act, 1922.	£11 11s. for Full Course if taken during three consecutive terms. (An additional fee calculated at the Separate classes rate will be charged if the course is spread over a longer period than three consecutive terms.)

(*b*) *Separate Subjects :—*

For each Lecture hour per week.	£4 per session.

NOTE :—(Applicable to Separate classes only.)

(i.) When more than one lecture hour per week is attended in any *one class* the fee for each hour beyond the first will be £2 per session.

(ii.) For two terms, three-quarters of the above amounts will be charged. For one term, half the above amounts will be charged.

(*c*) *Fees for Higher Degrees and for Examinations :—*

See General Regulations and Fees Pamphlet.

Examinations of the Law Society

Intermediate Examination : The classes on the Elements of English Law above-mentioned are directed towards an understanding of Stephen's Commentaries on the Laws of England, and are of a tutorial nature, suitable for students reading for the Intermediate Examination of the Law Society. An additional hour on Stephen's Commentaries is given on the morning of the day arranged for the Elements of English Law. Sections of Stephen not relevant for the degree work are dealt with.

Final Examination The first four courses described amongst the final courses for the examination for the degree of LL.B. are suitable for students reading for the final examination of the Law Society.

A class is held for the purpose of reading Conflict of Laws, lectures to be given in alternate years with Jurisprudence.

Examinations of the Council of Legal Education

Students for the bar are asked to state their requirements to the Professor of Law.

Courses in Commercial Law

The Law Department conducts courses in Commercial Law for students studying for the Degree of Bachelor of Commerce. Men in occupations to whom these courses would be of service are invited to communicate with the Professor of Law.

Public International Law

A course of one hour per week is given.

Extra Mural Courses: York

Courses are given at York for students who are unable to travel to Leeds. Both the intermediate and final examinations of the Law Society are provided for by tutorial work on one day per week for three terms in the year. A special prospectus on this matter may be obtained on application to the Registrar of the University.

Solicitors Act 1922

Articled clerks who wish to comply with the provisions of this Statute may do so by attendance at any of the above courses or combination of them, either at Leeds, or York, in such way as to put in the number of attendances required by the regulations of the Law Society made in pursuance of the Statute. The circumstances in which articled clerks are placed are so varied that general advice is undesirable, and consultation by the individual with the Professor of Law is invited.

Railway Fares

The Yorkshire Board of Legal Studies will pay one-third of the 3rd Class Railway Fares of Articled Clerks coming from a distance to Leeds, to attend the Law Classes at the University. A pass should be taken or return fares paid as in each case is found to be most economical.

Applications for repayment of the amount expended should be sent in at the close of the session, addressed to the Treasurer, Herbert Denison, Esq., 10, East Parade, Leeds.

Exemptions by the Law Society consequent upon the passing of Examinations in the University

(*a*) The Matriculation certificate of the Joint Matriculation Board of the Universities of Manchester, Liverpool, Leeds, Sheffield and Birmingham is accepted by the Law Society in lieu of the Preliminary Examination.

(*b*) The same certificate, provided that the candidate is placed in the First Division of the Matriculation Examination, that all the subjects have been taken at one examination, and that one of them is Latin, exempts a student from one year of articles.

(*c*) Students who take the LL.B. degree before entering into articles are exempted from two years of service.

(*d*) Students who have passed the Joint Matriculation Examination, Latin being one of the subjects taken, or any Examination accepted as exempting therefrom, Latin being taken and who have passed the Intermediate LL.B. Examination, before entering into articles, are exempt from one year of service.

(*e*) Students who have passed the examination required for the LL.B. degree, whether before or after entering upon their articles, are exempt from the legal portion of the Law Society Intermediate Examination.

The Law Society require that certificates showing that these conditions have been satisfied should be produced before registering the articles of clerkship, if a student claims the exemption.

DEGREES IN LAW

Ordinance 1. The degrees in Law shall be:

Bachelor of Laws (LL.B.)
Master of Laws (LL.M.)
Doctor of Philosophy (Ph.D.)
Doctor of Laws (LL.D.)

Degree of Bachelor of Laws

2. The degree of Bachelor of Laws shall be conferred either as an Ordinary degree or as a degree with Honours.

3. All candidates for the degree of Bachelor of Laws shall be required to have passed the Matriculation examination, except those who may have been exempted therefrom, and thereafter to have pursued approved courses of study for not less than three academic years; graduates of this University other than Law graduates, or approved graduates of any other University, may proceed to the Final Examination for the degree of Bachelor of Laws after pursuing approved courses of study in Law for not less than two years.

Ordinary Degree of Bachelor of Laws

4. The complete course of study for the Ordinary degree of Bachelor of Laws shall be divided into two parts, called respectively the Intermediate course and the Final course.

5. Every candidate shall be required to pass two examinations, the Intermediate and the Final.

6. The Intermediate and Final Examinations shall ordinarily be held in June of each year.

7. All candidates shall be required, before presenting themselves for the Intermediate or Final examination, to furnish certificates testifying that they have regularly attended the prescribed courses of study, and performed the class exercises to the satisfaction of the Professor or Lecturer, in each of the subjects which they offer at the examination. Some modification of the amount of attendance required may, in exceptional cases, be made by the Vice-Chancellor, on the recommendation of the head of the department concerned.

Intermediate Course and Examination

8. Every candidate shall be required, after passing the Matriculation examination or after obtaining exemption therefrom, to attend during one academic year courses of instruction approved by the University, and to pass in each of the subjects of the course so approved.

Every candidate shall be required after passing the Matriculation Examination, or securing exemption therefrom, to attend during one academic year approved courses of study and to pass in each of the following subjects :— Regulations

i. Constitutional Law.
ii. Elements of English Law.
iii. Roman Law.

Provided that for the course and examination in Elements of English Law there may be substituted, with the approval of the Senate, an equivalent course and examination in some other branch or branches of legal study (other than Roman Law or Constitutional Law as understood in these Regulations) or in some combination of such other branch or branches together with such part of the course in Elements of English Law as may be deemed desirable.

Detailed Subjects of study and of examination

CONSTITUTIONAL LAW :

Dicey's *Law of the Constitution ;* Anson's *Law of the Constitution,* Part I.

ELEMENTS OF ENGLISH LAW :

Stephen's *Commentaries,* vols. I., II., III.

ROMAN LAW :

The *Institutes* of Gaius, edited by Poste. The subjects of Intestate Succession and procedure are to be studied in outline only. The students will from the lectures gain a historical outlook on Roman Law, regarding it especially from the point of view of the growth of legal ideas and institutions.

Intermediate Examination

Constitutional Law, one paper.
Elements of English Law, two papers.
Roman Law, one paper.

Final Course and Examination

9. Every candidate shall be required to attend during two academic years courses of study approved by the Ordinance

University, and to pass in each of the subjects of the course so approved.

Regulations

No candidate shall be permitted to enter for the Final examination, or any part thereof, until he has passed the Intermediate examination.

Every candidate shall be required to attend during two academic years the following courses of study, and to pass in each of the subjects of the course :—

i. Property, Real and Personal (including Conveyancing).
ii. Equity (including Company Law).
iii. Common Law (including Criminal Law and Bankruptcy).
iv. Evidence and Procedure.
v. Jurisprudence.

Provided that for the courses and examination in Property, Real and Personal, and in Equity, there may be substituted, with the approval of the Senate, equivalent courses and examination in some other branch or branches of legal study (other than Courses iii, iv and v above) or in some combination of such other branch or branches together with such part of the courses in Property, Real and Personal, and in Equity as may be deemed desirable.

Final Examination

Common Law, Evidence and Procedure, three papers.
Property, real and personal, and equity, three papers.
Jurisprudence, one paper.

Degree of Bachelor of Laws with Honours

Ordinance

1. Candidates for the degree of Bachelor of Laws with Honours shall, except as hereinafter stated, be required to furnish certificates of having attended courses of instruction approved by the University and extending over not less than three academic years in the Honours School of Law.

2. Every candidate for the degree of Bachelor of Laws with Honours shall be required to present himself for examination not later than the end of the third or fourth academic year from the time when he has entered upon

one of the courses of instruction approved by the University for such degree unless he shall present a medical certificate of illness satisfactory to the Senate. This examination shall ordinarily be held in June of each year.

3. Candidates who have passed the Final examination for an Ordinary degree of Bachelor of Laws may, with the sanction of the Senate, and on furnishing certificates of having attended, during the academic year following such Final examination for the Ordinary degree, the third year's course approved by the University for the Honours School of Law, present themselves for examination for the degree of Bachelor of Laws with Honours.

Provided that where the Ordinary degree of Bachelor of Laws was conferred prior to the existence of the Honours School of Law the certificate of attendance at the third year's course above-mentioned need not show that such attendance has immediately followed the passing of the Final examination for the Ordinary degree.

4. No candidate for a degree of Bachelor of Laws with Honours shall be admitted more than once to examination in the Honours School of Law, but students who have passed the Final examination in any of the other Honours Schools of the University may be admitted to the Final Examination in the Honours School of Law after the expiration of two years, on presenting certificates of having attended, during the period in question, courses approved by the University.

5. Names of candidates who have passed the examination for the degree of Bachelor of Laws with Honours shall be published in three classes, each class being arranged in alphabetical order.

6. Candidates who have not acquitted themselves so as to deserve Honours may be excused the whole or such part of the examination for the Ordinary degree as the Combined Examination Committee may determine.

Regulations

Candidates for the degree of Bachelor of Laws with Honours shall be required to pursue courses of study and to submit themselves for examination as follows.

Intermediate Course and Examination

Every candidate shall be required after passing the Matriculation Examination, or securing exemption therefrom, to attend during one academic year approved courses of study and to pass in each of the subjects, as required for the Intermediate Course and Examination for the Ordinary degree of Bachelor of Laws.

Final Course and Examination

No candidate shall be permitted to enter for the Final examination or any part thereof until he has passed the Intermediate examination.

Every candidate shall be required to attend during two academic years courses of study and to submit himself for examination, according to the following regulations; that is to say, either:—

(*a*) Candidates may attend courses and submit themselves for examination in the subjects approved for the Ordinary degree of Bachelor of Laws; ***or***

(*b*) Candidates may elect to pursue courses of study and to submit themselves for examination according to the following groups. They must take all the subjects in Group I, and one subject from each of Sections (i.) and (ii.) in Group II.

Group I

i. Real and Personal Property (including Conveyancing).
ii. Equity (excluding Company Law).
iii. Contract and Tort.

Group II

i. One subject chosen by the candidate for special treatment and development from the following branches of English Law—
   Conveyancing, Law and Practice.
   Commercial Law.
   Trusts and Settled Estates.
   Company and Partnership Law.
   Local Government Law.
   Any other branch of English Law may be suggested, and chosen by the candidate, with the approval of the Board of the Faculty of Arts.

ii. One subject chosen by the candidate, from the following branches of legal study, or from allied branches of study—

Jurisprudence.

International Law.

The Law of England upon matters involving a foreign element (conflict of Laws).

Comparative Constitutional Law.

Industrial Law.

Political Science.

Public Finance.

Economics.

Roman Law.

Any other branch of legal or allied study may be suggested and chosen by the candidate with the approval of the Board of the Faculty of Arts.

N.B.—These Regulations do not entitle a candidate to the right of presenting himself for examination in a subject in which the University may for the time being be unable to provide instruction.

Honours Examination

(*a*) For candidates who submit themselves for examination in the subjects approved for the ordinary degree, special honours papers will be set, the same in number and distribution as for the candidates for the Ordinary degree.

(*b*) For candidates who submit themselves for examination under the alternative scheme, papers will be set as follows:—

i. Real and Personal Property, one paper.
Equity, one paper.
Contract and Tort one paper.

ii. A general paper upon Common law, equity and property, one paper.

iii. The subject chosen from Group II.
i. in the above regulations, two papers.

iv. The subject chosen from Group II.
ii. in the above regulations, one paper

Degree of Master of Laws

I

Ordinance

1. The degree of Master of Laws may be conferred, on payment of the proper fee, upon registered Bachelors of Laws, when of not less than one year's standing from the date of their graduation as Bachelors, subject to the conditions contained in the following paragraphs.

2. Bachelors of Laws who have graduated with Honours may proceed to the degree of Master of Laws on presenting a dissertation satisfactory to the Senate on a subject approved by the Board of the Faculty of Arts.

3. Bachelors of Laws who have obtained the Ordinary degree shall be required to pass an examination in a subject or group of subjects upon which instruction is given in the Department of Law, and to present a dissertation satisfactory to the Senate on a subject approved by the Board of the Faculty of Arts, or if they do not present a dissertation, to pass a more extended examination. In special cases it shall be in the power of the Senate, on the application of the candidate and on the special recommendation of the Board of the Faculty of Arts, to award the degree upon a dissertation only. Candidates wishing to apply for such remission must make application to the Board of the Faculty of Arts not later than the end of October preceding the examination. Regulations shall determine the subjects and groups of subjects in which the examination will be held. Certificates of attendance on courses of study in the University shall not be required.

4. All candidates who offer a dissertation either as sole test or in combination with other tests, may be called upon to present themselves for an examination—written, or oral, or both—in the theme of their dissertation.

5. The names of candidates who have passed the examination for the degree of Master of Laws shall be arranged in alphabetical order without distinction of classes.

II

Graduates in Law or persons who have passed the Final examination for a degree in Law, of other approved Universities shall, if they present evidence satisfactory to the Senate that they are qualified to pursue a course of advanced study or research, be permitted to enter the University and to become candidates for the degree of LL.M. without taking the LL.B. degree, after not less than two years of such advanced study or research.

Such candidates shall be required to fulfil the following conditions :—

(*a*) To be registered as students of the University.

(*b*) To pursue a course of advanced study or research under the supervision of the Head of the Department of Law.

(*c*) To attend a course or courses of lectures at the University for at least one year, if required by the Professor of Law.

(*d*) To pay a minimum fee (including Registration and Library fee) of four guineas per annum.

They shall be further required to give evidence to the Senate at the end of the first year of their period of study that their work has been satisfactory, and at the end of their second year they shall be required to present a dissertation, and to satisfy such further test if any as the Senate shall deem expedient. They will as a rule be called upon to present themselves for an examination, written, oral, or both, in the theme of their dissertation.

NOTE.—A Member of the University who graduated as Bachelor of Laws before the institution of the degree of LL.B. with Honours, may proceed to the degree of Master of Laws under the old Regulations.

Regulations.

1. Bachelors of Laws who have obtained the Ordinary degree shall be required *both*

(*a*) To submit themselves for examination in *either* the Common Law, *or* the Law of Property, *or* Equity, *or* International Law, *or* some other approved branch of law, not less than one year

from the date of their graduation as Bachelors of Laws ; *and*

(*b*) To present a dissertation on a subject approved by the Board of the Faculty of Arts, not less than one year from the date of passing the above examination.

2. The subject selected for examination shall be related to the subject of dissertation, and the examination shall consist of two papers of Honours standard.

3. The dissertation shall be of the same standard as that required for Bachelors of Laws who have graduated with Honours.

4. In special cases it shall be in the power of the Senate on the recommendation of the Board of the Faculty of Arts to allow candidates to present the dissertation in the same academic year as they submit themselves for examination.

Degree of Doctor of Philosophy (Ph.D.)

Ordinance

The Degree of Doctor of Philosophy (Ph.D.) is conferred, on payment of the proper fee, on persons who are registered graduates of the University of Leeds, or who have obtained at an approved University or Institution of University rank a degree or appropriate diploma awarded upon an approved course of study extending over not less than three years, or have passed the Final Examination for such a degree at an approved University, provided that in all cases the conditions laid down in the following paragraphs have been satisfied.

All Candidates for the Degree of Doctor of Philosophy are required to pursue in the University for at least two academic years an approved full-time course of advanced study and research, under the direction of the Head of the Department concerned or of a member of the University staff appointed by the Senate on his recommendation ;

provided that, after completion of the first year of the course, candidates may be permitted to devote

such periods as may be deemed advisable by the Senate to full-time study and research in other approved Universities or Institutions, while remaining under the direction of the University or of persons nominated by the University.

Regulations

Before entering on the course of advanced study and research, candidates are required

(*a*) To have attained the age of 21 years.

(*b*) To submit to the Senate for its approval the course of advanced study and research proposed by them and to present evidence satisfactory to the Senate that they are qualified to undertake the proposed course.

(*c*) To register as students of the University and to pay the prescribed fees for tuition.

On completing the course of advanced study and research candidates are required

(*a*) To present a thesis on the subject of their advanced study and research, and to satisfy the examiners that it contains original work worthy of publication, and that it is of a sufficient standard of merit to qualify for the degree of Doctor of Philosophy.

(*b*) To submit themselves for an oral examination on matters relevant to their thesis, and, if required, for a written examination and to satisfy the examiners in the examination as well as in the thesis presented.

The application of a candidate for admission to the course for the degree must give particulars of his educational career and qualifications as well as the subject of his proposed course of advanced study and research. The application should be addressed to the Clerk to the Senate.

NOTE.—A candidate is advised, before making application to the Clerk to the Senate, to consult the Head of the Department which is concerned with the subject which he proposes to study.

Towards the completion of his course the candidate, giving if possible three months' notice to the Clerk to the Senate, must make application to be examined and must submit, as soon as possible afterwards, at least one copy of his thesis, which should be accompanied by a short abstract. The copy of the thesis will be retained by the University.

Degree of Doctor of Laws

Ordinance 1. The degree of Doctor of Laws shall be conferred by the University upon registered Masters of Laws or Doctors of Philosophy of the University who shall be deemed by the Senate, after considering a report from one or more of the Boards of Faculties, to have distinguished themselves by special research or learning.

Provided that the Senate may, in such cases as it shall think fit, after considering a report from one or more of the Boards of Faculties, also require candidates to pass such an examination as it may from time to time determine.

2. A Master of Laws or a Doctor of Philosophy of the University may make application for the degree of Doctor of Laws in the sixth or any subsequent year from the date of his admission to the Bachelor's degree.

3. Such application shall be made in writing to the Registrar, and shall contain a full statement of the grounds on which the claim for the degree is based, together with one or more copies of any thesis, whether in print or in manuscript, which the applicant may desire to submit in support of the application.

4. If the application be approved by the Senate, the degree may be conferred at the expiration of not less than six years from the date of admission to the Bachelor's degree.

N.B.—The latest date of entry and of payment of fees will be MARCH 1st. The LL.M. examination and the LL.D. examination, if required, will be held in June.

DEPARTMENTS OF
CIVIL, MECHANICAL AND ELECTRICAL ENGINEERING

The work of these Departments is intended to provide a systematic training in the application of scientific principles to engineering purposes, and is not intended in any way to supersede the usual routine of engineering works and offices. An apprenticeship or pupilage in such works is essential for every Engineering student.

The scientific training at the University must be regarded as a means of acquiring the principles that underlie the art of Engineering, and the training in the Works as necessary for acquiring the art itself.

It is desirable that all students, whether taking up Civil, Mechanical or Electrical Engineering, should have at least one year's practical experience in Engineering Works before taking up the University course. This, however, is not essential and students may be admitted direct from school.

Though the Engineering courses are designed primarily to suit students intending to be Civil or Mechanical or Electrical Engineers, the subjects in the Civil Engineering course are such as should be studied by Mining Engineers, and by Architects, and the course prescribed for Mechanical Engineers, or parts of it, would be found of direct practical utility to students who are afterwards to be engaged in any occupations connected with manufactures.

It is hoped that all Engineering students will join the Students' Engineering Society and the Officers' Training Corps.

COURSES OF STUDY

The basis upon which the courses have been organised may be briefly stated as follows :—

In the first year of their studies all Engineering students will concentrate mainly upon the pure sciences, viz., Mathematics, Physics and Chemistry.

In the Second Year they will continue with their Mathematical studies, and, at the same time will be placed in a position to acquire a broad perspective view of all the Applied Sciences bearing upon Engineering practice to which their First Year studies are fundamental. No specialisation is attempted in the First and Second Years. All students, whether Civil, Mechanical, or Electrical, pursue the same courses.

In the Third Year specialisation under the three branches of Civil, Mechanical and Electrical is provided. During this year in addition to their specialised Engineering studies, the Civil Engineering students will pursue a course in Geology, and the Mechanical and Electrical Engineering students a course in Fuel and Metallurgy. All the students will also take a short course in Applied Economics.

The Courses are set out in detail below. Students pursuing them may prepare for the Honours or Ordinary Degree of B.Sc. or the Diploma of the University, in Civil, Mechanical or Electrical Engineering.

Diploma Students who pursue the courses set out for the Honours Degree may be awarded a Diploma with Distinction provided they reach a sufficiently high standard.

Courses for the Honours Degree of B.Sc. in Civil Engineering, Mechanical Engineering and Electrical Engineering

First Year :

Mathematics for Applied Science Students.
Physics Introductory.
Physics Laboratory.
Chemistry Introductory.
Chemistry Laboratory.
General Engineering I.

Second Year :

General Engineering II., *comprising*—

Strength of Materials	IIA (1).
Structures	IIA (2).
Heat Engines	IIB.
Theory of Machines	IIC.
Hydraulics	IID.
*Surveying..	IIE.
Electrical Engineering	IIF.
Engineering Laboratory.	
Drawing and Design (Mech.) ..	IIX.

Mathematics F3 and F4 (full courses).

Third Year Civil Engineering :

Civil Engineering (Hons.), *comprising*—

Strength of Materials	IIIA (1).
Theory of Structures	IIIA (2).
*Surveying..	IIIE.
Public Works Engineering ..	IIIG.
Structural Design	IIIY.
Engineering Laboratory.	

and one course selected from the following :—

Heat Engines	IIIB.
Theory of Machines ..	IIIC.
Hydraulics	IIID.
Theory of Electrical Machines	IIIF.
Electrical Transmission ..	IIIH.

†Geology.

Applied Economics.

Third Year Mechanical Engineering :

Mechanical Engineering (Hons.), *comprising*—

Strength of Materials	IIIA (1).
Heat Engines	IIIB.
Theory of Machines	IIIC.
Hydraulics	IIID.
Engineering Laboratory.	
Drawing and Design	IIIX.

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* Easter Vacation Course in addition.

† Field work plus Vacation Course (optional) in addition.

and one course selected from the following :—

Theory of Structures .. IIIA (2).
*Surveying .. .. .. IIIE.
Theory of Electrical Machines IIIF.
Public Works Engineering .. IIIG.
Electrical Transmission .. IIIH.

Fuel and Metallurgy.
Applied Economics.

Third Year Electrical Engineering :

Electrical Engineering (Hons.), *comprising—*

Theory of Machines .. .. IIIC.
Theory of Electrical Machines IIIF.
Electrical Transmission.. .. IIIH.
Electrical Drawing and Design IIIZ.
Electrical Engineering Laboratory.
Mechanical Engineering Laboratory.

and two courses selected from the following :—

Strength of Materials .. IIIA (1).
Theory of Structures .. IIIA (2).
Heat Engines .. .. .. IIIB.
Hydraulics .. .. .. IIID.
*Surveying .. .. .. IIIE.
Public Works Engineering .. IIIG.

Fuel and Metallurgy.
Applied Economics.

Courses for the Ordinary Degree of B.Sc. in Civil, Mechanical and Electrical Engineering

First Year :

Mathematics for Applied Science Students.
Physics Introductory.
Physics Laboratory.
Chemistry Introductory.
Chemistry Laboratory.
General Engineering I.

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*Easter Vacation Course in addition.

Second Year :

General Engineering II., *comprising*—

- Strength of Materials .. .. IIA (1).
- Structures .. .. .. IIA (2).
- Heat Engines .. .. .. IIB.
- Theory of Machines .. .. IIC.
- Hydraulics .. .. .. IID.
- *Surveying.. .. .. .. IIE.
- Electrical Engineering .. IIF.
- Engineering Laboratory.
- Drawing and Design (Mechanical) IIX.

Mathematics F3 and F4 (short courses).

Third Year Civil Engineering :

Civil Engineering (Ordinary), *comprising*—

- Theory of Structures .. .. IIIA (2).
- *Surveying.. .. .. .. IIIE.
- Public Works Engineering .. IIIG.
- Structural Design .. .. IIIY.
- Engineering Laboratory.
- *and one course selected from the following :—*
  - Strength of Materials .. IIIA (1).
  - Heat Engines .. .. .. IIIB.
  - Theory of Machines .. .. IIIC.
  - Hydraulics .. .. .. IIID.
  - Theory of Electrical Machines IIIF.
  - Electrical Transmission .. IIIH.

†Geology.

Applied Economics.

Third Year Mechanical Engineering :

Mechanical Engineering (Ordinary), *comprising*—

- Strength of Materials .. .. IIIA (1).
- Heat Engines .. .. .. IIIB.
- Theory of Machines .. .. IIIC.
- Drawing and Design .. .. IIIX.
- Engineering Laboratory.

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*Easter Vacation Course in addition.

†Field Work plus Vacation Course (optional) in addition.

and one course selected from the following :—

Theory of Structures.. ..	IIIA (2).
Hydraulics	IIID.
Surveying	IIIE.
Theory of Electrical Machines	IIIF.
Public Works Engineering ..	IIIG.
Electrical Transmission ..	IIIH.

Fuel and Metallurgy.

Applied Economics.

Third Year Electrical Engineering :

Electrical Engineering (Ordinary), *comprising—*

Theory of Machines	IIIC.
Theory of Electrical Machines	IIIF.
Electrical Drawing and Design..	IIIZ.

Electrical Engineering Laboratory.

Mechanical Engineering Laboratory.

and two courses selected from the following :—

Strength of Materials ..	IIIA (1).
Theory of Structures.. ..	IIIA (2).
Heat Engines	IIIB.
Hydraulics	IIID.
*Surveying	IIIE.
Public Works Engineering ..	IIIG.
Electrical Transmission ..	IIIH.

Fuel and Metallurgy.

Applied Economics.

DEGREE AND DIPLOMA EXAMINATIONS

Students are recommended to take the B.Sc. Degree Course in Civil or Mechanical or Electrical Engineering (Ordinary or Honours). Students intending to read for a degree must pass or obtain exemption from, the Matriculation Examination conducted by a Joint Board of the Universities of Manchester, Liverpool, Leeds, Sheffield and Birmingham, before taking the Engineering Course.

Candidates for Diplomas are required :—

(*a*) To give satisfactory attendance in the subjects which constitute the Honours or Ordinary degree course.

*Easter Vacation Course in addition.

(*b*) To present themselves for any Departmental examinations that may be held in the subjects constituting their course of study.

(*c*) To make formal entry for the Final Diploma Examination, on the prescribed form, not later than March 1st of the last session of the course, and to pay at the same time the prescribed examination fee.

(*d*) To pass the examinations held at the end of their course.

The record of students during their course may be taken into account in awarding the Diploma.

A student producing evidence of adequate previous scientific training may, upon application to the Senate, be exempted from a portion of the normal course and may qualify for the diploma upon a shortened period of study.

A Diploma may be granted to a student reading for a degree upon the results of the degree examination, provided a satisfactory standard is attained.

The subjects of examination are detailed below.

Honours Degree of B.Sc. in Civil Engineering, Mechanical Engineering and Electrical Engineering

First Year Examination.

Mathematics for Applied Science Students.
Physics Introductory.
Chemistry Introductory.
General Engineering I.

Final Examination.

CIVIL ENGINEERING—
‡General Engineering II.
‡Mathematics F_3 and F_4 (full courses).
Civil Engineering (Hons.), *comprising*—

Strength of Materials	IIIA (1).
Theory of Structures	IIIA (2).
Surveying	IIIE.
Public Works Engineering ..	IIIG.
Laboratory, two days.	

‡Taken at the end of second year.

and one of the following :—

Heat Engines .. .. .. IIIB.
Theory of Machines .. .. IIIC.
Hydraulics .. .. .. IIID.
Theory of Electrical Machines IIIF.
Electrical Transmission .. IIIH.

Geology.
Applied Economics.

MECHANICAL ENGINEERING—

‡General Engineering II.
‡Mathematics F3 and F4 (full courses).
Mechanical Engineering (Hons.), *comprising—*

Strength of Materials .. .. IIIA (1).
Heat Engines .. .. .. IIIB.
Theory of Machines .. .. IIIC.
Hydraulics .. .. .. IIID.
Laboratory, two days.
and one of the following :—
Theory of Structures .. IIIA (2).
Surveying .. .. .. IIIE.
Theory of Electrical Machines IIIF.
Public Works Engineering .. IIIG.
Electrical Transmission .. IIIH.

Fuel and Metallurgy.
Applied Economics.

ELECTRICAL ENGINEERING—

‡General Engineering II.
‡Mathematics F3 and F4 (full courses).
Electrical Engineering (Hons.), *comprising—*

Theory of Machines .. .. IIIC.
Theory of Electrical Machines IIIF.
Electrical Transmission .. IIIH.
Electrical Design .. .. IIIZ.
Electrical Engineering Laboratory (two days).
and two of the following :—
Strength of Materials .. IIIA (1).
Theory of Structures .. IIIA (2).
Heat Engines .. .. IIIB.
Hydraulics .. .. .. IIID.
Surveying .. .. .. IIIE.
Public Works Engineering IIIG.

Fuel and Metallurgy.
Applied Economics.

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‡Taken at the end of second year.

Ordinary Degree of B.Sc. in Civil Engineering, Mechanical Engineering and Electrical Engineering

First Year Examination.

Mathematics for Applied Science Students.
Physics Introductory.
Chemistry Introductory.
General Engineering I.

Final Examination.

CIVIL ENGINEERING—

‡General Engineering II.
‡Mathematics F3 and F4 (short courses).
Civil Engineering (Ord.), *comprising*—
Theory of Structures .. IIIA (2).
Surveying .. .. .. IIIE.
Public Works Engineering .. IIIG.
Laboratory, one day.
and one of the following :—
Strength of Materials .. IIIA (1).
Heat Engines .. .. IIIB.
Theory of Machines .. IIIC.
Hydraulics .. .. .. IIID.
Theory of Electrical Machines IIIF.
Electrical Transmission .. IIIB.
Geology.
Applied Economics.

MECHANICAL ENGINEERING—

‡General Engineering II.
‡Mathematics F3 and F4 (short courses).
Mechanical Engineering (Ord.), *comprising*—
Strength of Materials .. IIIA (1).
Heat Engines .. .. .. IIIB.
Theory of Machines .. .. IIIC.
Laboratory, one day.
and one of the following :—
Theory of Structures .. IIIA (2).
Hydraulics .. .. .. IIID.
Surveying .. .. .. IIIE.
Theory of Electrical Machines IIIF.
Public Works Engineering IIIG.
Electrical Transmission .. IIIH.
Fuel and Metallurgy.
Applied Economics.

‡Taken at the end of second year.

ELECTRICAL ENGINEERING—

‡General Engineering II.
‡Mathematics F_4 and F_4 (short courses).
Electrical Engineering (Ord.), *comprising*—
Theory of Machines .. .. IIIc.
Theory of Electrical Machines IIIF.
Electrical Design .. .. IIIz.
Electrical Engineering Laboratory, one day.
and two of the following :—
Strength of Materials .. IIIA (1).
Theory of Structures .. IIIA (2).
Heat Engines .. .. IIIB.
Hydraulics .. .. .. IIID.
Surveying .. .. .. IIIE.
Public Works Engineering IIIG.
Electrical Transmission .. IIIH.
Fuel and Metallurgy.
Applied Economics.

The Institution of Civil Engineers

All Engineering students, whether following Civil, Mechanical or Electrical Engineering, should aim at ultimately becoming Members of the Institution of Civil Engineers.

The first step is to become a Student of the Institution. Application should be made to the Secretary of the Institution for the regulations relating to the admission of students.

All Engineering Students of this University who have passed the Matriculation Examination or its equivalent, and in addition have passed the June examinations at the end of their First Year Engineering Course, are eligible for election as Students of the Institution. Those who have not passed the Matriculation should take the Preliminary Examination of the Institution, particulars in regard to which may be obtained from the Secretary.

‡Taken at the end of second year.

Only those students who have attended their various classes to the satisfaction of the Professors and Lecturers concerned and have done reasonably well in their class examinations will be proposed for admission to the Institution. After admission they are entitled to attend the Meetings and Excursions of the Local Association of the Institution of Civil Engineers and to receive two volumes of Proceedings per annum. Miller Scholarships and Prizes, value from £10 to £120, are awarded by the Institution for papers read by students at either the Local Associations or at Headquarters.

Students who have obtained the Honours or Ordinary B.Sc. Degree in Civil, Mechanical or Electrical Engineering will not be required to take Sections A and B of the Associate Membership examination of the Institution. All candidates however, must pass Section C of that Examination.

Students who have not obtained a degree must take Sections A and B of the Associate Membership Examinations as well as Section C.

For the subjects to be taken the Institution's syllabus should be consulted.

Prior to election as Associate Member, candidates must fulfil the requirements as regards practical training and experience in accordance with the schemes set out in the Bye-Laws of the Institution.

The Institution of Mechanical Engineers

All Mechanical Engineering Students should also aim at ultimately becoming Members of the Institution of Mechanical Engineers. The first step is to become a Student Member of the Institution. Full particulars as to procedure for enrolment in this grade may be obtained from the Secretary of the Institution of Mechanical Engineers, Storey's Gate, St. James's Park, London, S.W.1.

Students who have passed the Matriculation Examination of the Northern Universities under certain conditions are exempt from the Studentship Examination of the Institution. A complete list of the exempting examinations may be obtained from the Secretary of the Institution.

The Ordinary and Honours Degrees of B.Sc. and the Diploma in Engineering of this University exempt students from Sections A and B of the Associate Membership Examination which is a necessary qualification for the higher grades of Graduate and Associate Member.

All candidates, however, must take Section C of that Examination unless they hold a Degree in Commerce.

There is a Local Branch of the Institution of Mechanical Engineers which promotes visits to Engineering establishments and provides lectures on Engineering topics. The meetings and visits are open to all classes of members.

Marine Engineers

The Engineering Department of this University is recognised by the Marine Department of the Board of Trade as an institution in which candidates for Marine Engineering certificates can obtain a portion of their training.

The Institution of Electrical Engineers

All Electrical Engineering students should aim at ultimately becoming members of the Institution of Electrical Engineers.

The first step is to become a Student Member of the Institution. Full particulars as to the procedure for enrolment in this grade may be obtained from the Secretary of the Institution of Electrical Engineers, Savoy Place, Victoria Embankment, London, W.C.2.

All Electrical Engineering students of this University are eligible for election as Students of the Institution.

The Ordinary and Honours Degrees of B.Sc. in Civil, Electrical, Mechanical and Mining Engineering, and the Diploma in Electrical Engineering, exempt students from the Associate Membership Examination, which is a necessary qualification for the higher grade of Associate Member.

There is a local Centre of the Institution. Papers accepted by the Institution are read and discussed at the meetings of the Local Centre. The meetings are open to all classes of members.

There is in addition a Local Students' Section, controlled by a Chairman, Secretary and Committee, elected by the students themselves, which selects its own papers and arranges its own visits to engineering establishments.

SYLLABUS OF COURSES

General Engineering I

(Engineering Lecture Theatre)

First and Second Terms: Mondays and Fridays at 10 a.m.

Materials; Boilers; Steam engines; Steam turbines; Internal combustion engines; Air compressors and motors; Refrigerators; Hydraulic machinery; Transmission of power.

Third Term: Mondays and Fridays at 10 a.m.

Fundamental principles; Ohm's law and Kirchoff's laws applied; Elementary principles of electric machinery, measuring instruments; Secondary batteries.

(Drawing Office).

First, Second and Third Terms: Thursday afternoons.

Geometrical and machine drawing.

General Engineering II

IIA (1). Strength of Materials

(Engineering Lecture Theatre)

First, Second and Third Terms : Tuesdays at 12 noon.

Stress, strain and elasticity ; Mechanical properties and tests ; Theory of bending and stress distribution in beams ; Theory of struts and the collapse of thin-walled tubes ; Torsion and combined stresses in shafts and helical springs.

Theories of failure ; Fluctuating stresses and fatigue.

IIA (2). Theory of Structures

(Engineering Lecture Theatre)

Second Term. Tuesday at 10 a.m.

Design of parallel flanged plate web girders for uniformly distributed, fixed and moving loads.

Simple roofs trusses and bridges. Forces in members by reciprocal figures and method of sections.

IIB. Heat Engines

(Engineering Lecture Theatre)

First, Second and Third Terms : Tuesdays at 11 a.m.

Third Term : Wednesdays at 11 a.m.

Thermodynamics ; Boilers ; Theory of the steam engine ; Theory of the internal combustion engine ; Steam Turbines and Condensers.

IIC. Theory of Machines

(Engineering Lecture Theatre)

First and Second Terms : Wednesdays at 11 a.m.

Kinematics of machines ; Belts ; Gears : Friction of dry and lubricated surfaces ; Roller and ball bearings ; Flywheels ; Governors ; Balancing.

IId. Hydraulics

(Engineering Lecture Theatre)

First and Second Terms : Mondays at 9 a.m.

Hydrostatic pressure ; Floating bodies.

Principles of Hydraulics ; Discharge from orifices, notches and weirs ; Flow in pipes and channels ; Measurement of stream discharge ; Fluid friction ; Transmission of power by fluids ; Water hammer ; Impact of water ; Theory and operating characteristics of turbines and pumps.

IIe. Surveying

(Electrical Engineering Lecture Theatre)

Second and Third Terms : Thursdays at 12 noon.

Chain surveying ; Surveying instruments ; Traverse surveying ; Measurement of heights and levelling.

IIf. Electrical Engineering

(Electrical Engineering Theatre)

First, Second and Third Terms : Thursdays at 10 a.m.

Principles of direct current circuits ; Principles of alternating current circuits ; Alternating current measurement.

First and Third Terms : Tuesdays at 10 a.m.

Principles of alternating current machines ; Principles of direct current machines.

IIx. Machine Drawing and Design

(Drawing Office)

First, Second and Third Terms : Mondays and Fridays, afternoons.

The design of bearings ; Couplings ; Clutches ; Spur, bevel and spiral gearings, etc. and Engine details.

General Engineering IIs

This Course has been arranged for students from the Departments of Fuel and Mining. It consists of Courses in Strength of Materials, Heat Engines, Hydraulics and Electrical Engineering, together with Laboratory and Drawing Office Work. The class hours are as under :—

Lecture.—Tuesdays, Wednesdays, Thursdays, Fridays at 9 a.m.

Laboratory.—Mondays and Tuesdays, 2–5.

Drawing Office.—Fridays, 2–5.

Special Course on Winding Engines

Third Term : Fridays 2–5.

Engineering III

IIIA (1). Strength of Materials

(Electrical Engineering Lecture Theatre)

First, Second and Third Terms : Fridays at 10 a.m.

Built-in and continuous beams ; Hooks ; Stress distribution in thick cylinders ; Stress analysis by optical interference methods ; Rotating rings, flat discs and thick drums ; Further development of theories of failure ; Fatigue and stress-corrosion effects ; Recent developments in testing

IIIA (2). Theory of Structures

(Engineering Lecture Theatre)

Mondays and Thursdays at 12 noon.

Theory of Statically Determinate Structures ; Plate girders and Braced girders under moving loads ; Curved girders ; Arches ; Suspension bridges ; Statically Indeterminate Structures ; Masonry Structures ; Reinforced concrete.

IIIB. Theory of Heat Engines

(Engineering Lecture Theatre)

First, Second and Third Terms : Thursdays at 11 a.m. and Wednesdays at 9 a.m.

Advanced theory of steam engines ; Steam turbines ; Internal combustion engines ; Transmission of power by compressed air ; Mechanical production of cold.

IIIc. Theory of Machines

(Engineering Lecture Theatre)

First, Second and Third Terms : Fridays at 9 a.m.

Dynamics of the steam engine ; Connecting rods and coupling rods ; Balancing ; Flywheels ; Governors ; Velocity and acceleration diagrams ; Vibration ; Whirling of shafts ; Gyroscopes.

IIId. Hydraulics

(Engineering Lecture Theatre)

First, Second and Third Terms : Thursdays at 10 a.m.

Advanced theory of discharge from orifices, weirs and notches ; Viscous resistance of fluids ; Non-uniform flow in channels ; Jet propulsion of ships ; Hydraulic machinery ; Turbines ; Surge tank ; Centrifugal pumps ; Reciprocating pumps ; Tidal power ; Advanced theory of water hammer ; Applications of the principle of dynamical similarity.

IIIe. Surveying

(Electrical Engineering Lecture Theatre)

First, Second and Third Terms : Mondays at 9 a.m.

Advanced theory of surveying instruments ; Base line measurement ; Triangulation ; Plane table surveying; Hydrographic surveying ; Tacheometry ; Setting out of lines and levels of works including railway curves ; Earthwork calculations ; Application of astronomy to surveying.

IIIf. Theory of Electrical Machines

(Electrical Engineering Theatre)

First, Second and Third Terms : Mondays at 10 a.m.

Theory of transformers, alternators, synchronous and asynchronous motors and converters.

IIIG. Public Works Engineering

(Engineering Lecture Theatre)

First, Second and Third Terms : Thursdays at 9 a.m.

Railways.—Location of Railways and Design in regard to gradients ; Cuttings and embankments ; Design of railway stations and theory of points and crossings.

Roads.—History of road construction and design ; Modern road surfaces for heavy traffic.

Water Supply.—Principles of water supply from streams, rivers and underground sources ; Reservoirs and embankments, bore-holes, wells and adits.

Sanitary Engineering.—Drainage and sewerage of rural and urban districts. Purification and disposal of sewage.

IIIH. Transmission

(Electrical Engineering Theatre)

First, Second and Third Terms : Wednesdays at 10 a.m. and Fridays at 12 noon.

Short circuits in Networks ; Theory of Alternating current transmission ; travelling waves ; Telephonic transmission.

IIIX. Drawing and Design (Mechanical)

First, Second and Third Terms : Tuesday mornings and Tuesday and Thursday afternoons.

The production of a complete design and working drawings for a machine tool or some form of prime mover or pump.

IIIV. Structural Design (including Graphics)

First, Second and Third Terms : Tuesday and Thursday afternoons.

Graphical determination of maximum and minimum forces in structures subject to moving loads ; Design of girders ; Roof trusses and other steel structures.

Graphical treatment of arches; Suspension bridges; Retaining walls; dams, etc.

IIIz. Electrical Design and Drawing

(Electrical Engineering Lecture Theatre and Drawing Office)

First, Second and Third Terms: Tuesday and Thursday afternoons.

Lecture Course.—Methods of design of direct current and alternating current machinery.

Drawing.—Design and preparation of drawings of a direct current machine.

Engineering Laboratories

Experimental work in connection with the various classes will be conducted in the Engineering Laboratories throughout the course.

TIME TABLES

First Year

	9 to 10	10 to 11.	11 to 12.	12 to 1.	2 to 5.
Mon. ..	Maths. J.	Gen. Engrg. I.	—	Chemistry.	—
Tues. ..	Maths J.	Physics.	Physics Laboratory.		Chemistry Laboratory.
Wed. ..	Maths. J.	Chemistry Laboratory.		Chemistry.	—
Thurs. ..	—	Physics.	Physics Laboratory.		Drawing Office.
Fri. ..	Maths. J.	Gen. Engrg. I.	—	Chemistry	—
Sat. ..	—	Physics.	—	—	—

Second Year

	9 to 10.	10 to 11.	11 to 12.	12 to 1.	2 to 5.
Mon. ..	IID (1, 2)	Maths.	—	Maths.	Drawing.
Tues. ..	—	IIF (1, 3). IIA 2 (2).	IIB (1, 2, 3).	IIA (1, 2, 3).	Laboratory.
Wed. ..	—	Maths.	IIC (1, 2). IIB (3).	Maths.	—
Thurs. ..	—	IIF (1, 2, 3)	—	IIE (2, 3).	Laboratory.
Fri. ..	—	Maths.	—	Maths.	Drawing.

Third Year

	9 to 10.	10 to 11.	11 to 12.	12 to 1.	2 to 5.
Mon. ..	IIIE.	IIIF.	Geol. I.	IIIA (2).	Laboratory.
Tues. ..	Laboratory or Drawing.			Fuel.	Drawing.
Wed. ..	IIIB.	IIIH.	Geol. I. Met.	Econ.	—
Thurs. ..	IIIG.	IIID.	IIIB.	IIIA (2).	Drawing.
Fri. ..	IIIC.	IIIA (1).	Geol. I.	IIIH	Laboratory.

DEPARTMENT OF MINING

Assisted by the Drapers' Company of the City of London, and by the West Yorkshire Coal Owners' Association, and the West Riding County Council

The University, which is situated in the heart of a mining district possessing some of the deepest and best equipped of modern English collieries, enjoys the cordial support of the owners, agents and managers of mines, who give the Department every facility for instructing its students. As the University is moreover provided with excellent Physical, Chemical, Metallurgical, Geological, and Engineering (Mechanical and Electrical) laboratories, it has every facility for giving its students both a theoretical and practical training in the art of Mining.

The work of the Department is carried on under the immediate direction of the Head of the Department, acting in conjunction with the Mining Advisory Committee, composed of prominent mining engineers and coal owners of the district.

The courses have been arranged to meet the requirements of those who intend to become :—

1. Colliery Agents or Managers.
2. Metal mine Managers.
3. Colliery Surveyors.
4. Consulting Mining Engineers.

The Degree Courses are primarily intended for the systematic training of students who can devote at least three years to the study of the scientific principles underlying the practice of the various industries for which they are preparing themselves. They are not intended to supersede the usual "apprenticeship" in a mine or works, but rather as a preparatory or supplementary course to such a practical training, which actual experience on a works can alone adequately supply. Special facilities are provided for postgraduate research work both in the laboratories of the Department and in mines and works outside, and every help is afforded to graduates who, on passing

into the industry, find themselves confronted with problems which can be advantageously worked out in conjunction with a well equipped scientific laboratory. Provision is also made to meet the requirements of duly qualified students who wish to take advantage of part of the regular courses of instruction, whilst graduates of other Universities will be admitted as research students.

COURSES OF STUDY

There are three distinct courses of study arranged in this Department to meet the requirements of different classes of students, viz:

I. A three years' course leading to the degree of B.Sc. in Mining.

II. A three years' course qualifying for the Diploma in Mining Engineering.

III. Course on Mine Surveying.

Students entering for the degree course are required to have passed (or obtained exemption from) the Matriculation examination conducted by the Joint Board of the Universities of Manchester, Liverpool, Leeds, Sheffield and Birmingham.*

Colliery Managers' Certificates of Competency under the Coal Mines Act, 1911

Graduation as B.Sc. in Mining Engineering, or the possession of the Diploma in Mining Engineering of the University of Leeds, has been recognised by the Secretary of State for the Home Office as equivalent to two years' experience at a mine for the purposes of the Colliery Managers' Certificate under the Coal Mines Act, 1911. Further information may be obtained on application to the Secretary to the Board for Mining Examinations, Mines Department, Dean Stanley Street, Westminster, London, S.W.1

*All inquiries regarding the Matriculation examination, including applications for exemption, should be addressed to the Secretary to the Board, the Joint Matriculation Board, 315, Oxford Road, Manchester, from whom also a complete syllabus of the examination may be obtained.

The University of Leeds is an institution approved by the Secretary of State in respect of its Degree of B.Sc. in Mining Engineering and Diploma in Mining Engineering.

Surveyors' Certificates under the Coal Mines Act, 1911

The University of Leeds is one of the Institutions approved by the Secretary of State for the purpose of training students for Surveyors' Certificates under the Coal Mines Order.

The following courses at the University have been approved to enable candidates to obtain exemption from two of the four years practical experience required :—

1. Ordinary B.Sc. Degree Course in General Mining.
2. Diploma Course in Mining Engineering.
3. The Course in Mine Surveying.

I. Ordinary B.Sc. Degree Course in General Mining (Three Years' Course)*

This course of instruction is arranged for students who desire to qualify themselves as Mining Engineers, Surveyors, or Assayers, and also for those who intend, in the future, to take charge of mining and prospecting operations in the colonies or foreign countries. Students are required to devote the vacations to obtaining practical experience in mines, and they should call upon the Head of the Department, immediately before the Christmas vacation of their first year at the University, to obtain advice regarding the necessary arrangements.

During the first year of the Degree Course the student will normally attend classes and take examinations in Mathematics, Physics, Chemistry, Engineering, Mining, and Surveying.

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*Graduation as B.Sc. on the Mining course prescribed has been recognised by the Secretary of State for the Home Office as equivalent to two years' experience at a mine for the purposes of the Colliery Manager's Certificate.

During the second year he will continue the study of Mining, and also take courses in Engineering (Mechanical and Electrical), Geology, Mine Surveying, Fuel and Mining Metallurgy, and will also attend a course in Industrial Economics.

During his third year he will mainly devote his attention to Mining, including ore dressing and laboratory work, Mine Surveying and Assaying. He is also advised to attend the special courses in Industrial practice which are arranged from time to time.

The three years' course will thus include systematic training in Mathematics, Physics, Chemistry, Engineering and Geology in addition to the study of the special branch of Applied Science, namely Mining.

The Student will qualify for the B.Sc. degree by attendance upon the courses detailed below, and passing the corresponding examinations; he will also be required to translate satisfactorily a passage from a modern language. In addition to the subjects specified in the time table, students are advised to study a modern language.

Syllabus

First Year

	Hours per week.
Mathematics for Applied Science students (J.)	4
Physics, Introductory	3
Physics, Laboratory	3
Chemistry, Introductory	3
Chemistry, Laboratory	6
General Engineering I	5
Mining F1	1
Surveying F5	1

Second Year

	Hours per week.
General Engineering IIs	13
Geology Introductory	6
Mining F2	1
Surveying F6	5
Fuel I	1
Mining Metallurgy 13	1
Applied Economics	1

Third Year

	Hours per week.
Mining F3	3
Mining Laboratory (including Assaying)	12
Surveying F7	3
Dressing of Minerals F4	1
Geology F1 and H2	6
Mining F8	1

Special Lecture Courses to be taken during Second and Third Years

In addition to the above lectures students are advised to attend during either the second or third years any special lectures given by outside lecturers on subjects ancillary to Mining, such as by-product coking processes, refractory materials, mining law, power plant testing, etc.

Honours B.Sc. Degree

The Honours Course in Mining will be the same as the course for the Ordinary degree, except that Mathematics J will be taken in the first year and Mathematics F_3 and F_4 in the second year.

II. Diploma Course in Mining Engineering* (Three Years' Course)

This course is arranged for those who intend to devote their attention to Coal Mining at home, and who, at the same time, desire to obtain a liberal training in the scientific principles underlying their profession, but for some reason are unable to take the B.Sc. Degree Course.

Candidates for the Diploma in Mining Engineering are required:—

I. During the Course—

(*a*) To attend the same course as candidates for the Ordinary B.Sc. Degree in Mining.

(*b*) To present themselves for any Departmental examinations that may be held in the subjects forming any part of their course of study. The record of students at their Departmental examinations will be taken into account in deciding the results of the Diploma examination.

(*c*) To make formal entry, on the prescribed form, not later than March 1st of the last session of the course, and to pay at the same time the prescribed examination fee.

*The possession of the Leeds University Diploma in Mining Engineering has been recognised by the Secretary of State for the Home Office as equivalent to two years' experience at a mine for the purposes of the Colliery Manager's Certificate

(*d*) To obtain four months' experience at a mine during the vacations, unless the candidate shows to the satisfaction of the Head of the Department that he has had previous experience at mines before entering on the course.

II. At the end of the Course—

(*a*) To reach a satisfactory standard in any Final examination which may be set. In the subject of Mining Engineering, a Diploma student takes for his Final examination the same Final Principal Mining Engineering papers as are set for the Ordinary degree of B.Sc.

(*b*) To translate into English a passage of French or German relating to the principal subject of the Diploma Course. A foreign student who can show that he has received a good general education will be exempted from this language test.

III. A Diploma may be granted upon the degree course provided that the subjects studied for the degree include those prescribed for the Diploma, and that the other conditions are complied with.

A student producing evidence of adequate previous scientific or practical training may, upon application to the Senate, be exempted from a portion of the normal course and may qualify for the Diploma upon a shortened period of study.

III. Course on Mine Surveying

This includes the courses in Mine Surveying, Office Work, and Field and Underground Work in Surveying, particulars of which are given in subsequent pages.

To meet the convenience of external students all lectures and practical instruction in Surveying will be given on one day only, Thursday.

LECTURE COURSES

Mining Engineering F1, F2, F3 and F8

The object of these lectures will be to explain to students the methods, operations and appliances commonly employed in mining, with illustrations from actual practice in various districts and countries and to indicate the principles which should influence the selection of methods and the introduction of such variations in them as local circumstances may demand.

First Year Course F1
Preliminary Geology
Prospecting and Boring
Ownership of Minerals
Breaking Ground and Blasting
Sinking

Second Year Course F2
Supports
Methods of Working
Winding

Third Year Course F3
Ventilation
Haulage
Pumping
Transmission of Power
Coal Cutters and Conveyors
Lighting
Explosions and Coal Dust
Spontaneous Combustion
Rescue Apparatus
Outbursts of Gas, Construction of Dams

Third Year Course F8
Efficiency of Mining Machinery
Housing Schemes
Leases
Hot and Deep Mines
Health and Hygiene

Preparation of Minerals and Coal F4

A course of one lecture a week will be given during the Session on Fridays.

The syllabus will include:—

(*a*) *Ore Dressing.*—General principles, hand-dressing, comminution systems, sizing, water classification, water concentration, flotation concentration, magnetic, electrostatic, pneumatic and centrifugal separation. Ore dressing plants, flow-sheets, control of operations.

(*b*) *Coal Cleaning.*—Screening and sizing. Coal washing, basal principles, modern methods.

(*i*) Appliances using horizontal continuous water currents.

(*ii*) Appliances using vertical continuous water currents.

(*iii*) Combinations of (*i*) & (*ii*).
(*iv*) Jigging appliances.
(*v*) Appliances using mechanical impulses
(*vi*) Flotation processes.

Dry cleaning methods. Extraction of dust. Control of operations. Selection of a cleaning plant. Washability curves.

Lectures will be supplemented by practical laboratory work in both ore dressing and coal cleaning.

Mine Surveying F5, F6 and F7

During the session a course of two lectures per week will be given every Thursday.

First Year Course F5

Introduction and general remarks on the aims and objects of surveying and mine surveying.

Principles underlying the methods of linear and angular measurements used by the mine surveyor.

Accessories, devices, parts and attachments common to many surveying instruments. Consideration of their uses, objects, causes of failure, design, improvement, testing, and adjustment.

Instruments used for the direct measurement of length; accuracy attainable, use, testing, and adjustment.

Instruments used for the measurement of angles; use, testing, and adjustment.

Instruments depending on the earth's magnetism and instruments for recording the continual changes in the direction of the magnetic meridian; their testing, use and adjustment.

Levelling instruments and instruments used for determining the relative position of points vertically with regard to one another or to a given datum.

Mine surveying methods, work and problems.

Care of instruments.

Second Year Course F6

Errors in observed data, their amount, influence, and elimination.

Fundamental considerations concerning the form and size of the earth together with the consideration of

geographical and astronomical relations, as far as these affect the work of the surveyor and mine surveyor.

Determination of the direction of the astronomical and magnetic meridians.

Connection of surface and underground surveys by various methods, their relative accuracy and suitability in various cases.

Tacheometry, plane table work.

Setting out railway connections, railway sidings, curves, gradients, roadways, levels, drifts, headgears, engine-foundations, cuttings, embankments, pipe-lines, and engineering work generally.

Office work; calculations from observed data connected with survey work, the checking and adjustment of errors and data, the graphical representation of data on plans and sections, the use and limitations of graphical records, calculation and determination of areas, volumes; preparation and reproduction of plans, sections, &c.; Ordnance Survey publications, their construction and use.

Third Year Course F7

Plotting of triangulation surveys and solution of surveying problems.

PRACTICAL WORK

Through the kindness of the local Coal Owners and Colliery Managers, arrangements have been made for the instruction of students at mines in the neighbourhood, not only in underground surveying and in the connection of underground and surface surveys, but also in general Mining work. The equipment of the department has therefore been designed to serve three purposes:

(a) To supplement the general training received by the student in the other departments of the University, and direct it to Mining applications.

(b) To provide apparatus and instruments for the investigation of problems at the mines, and for testing the consumption of power and general efficiency of haulage, winding, pumping, ventilating, and coal washing plants.

(c) To establish conditions and provide appliances which are not to be met with in the neighbouring mines, as for example, in the equipment for the study of Ore Dressing, and in the provision of chambers and galleries for experimental work with safety lamps under various conditions.

The equipment therefore embraces the following :

For Investigations and Tests at Mines.

Apparatus necessary for

Air compressor and compressed air transmission tests.
Complete boiler trials.
Complete ventilation tests.
Pump efficiency tests
Steam engine tests.
Sampling and analysis of mine gases, fuels, etc.
Etc.

For Laboratory Work.

The following apparatus is provided :

Air compressor and metering devices.
Apparatus for analysis of mine air.
Apparatus for analysis of coal and mine dusts.
Apparatus for coal washing tests, including froth flotation.
Balances for assay work.
Bomb and other calorimeters.
Centrifugal pump.
Experimental fans and gallery, with various modern forms of manometers and air meters.
Furnaces for assay work.
Hygrometers.
Kata thermometers.
Microscopes.
Ore dressing plant, including large Blake crusher, rolls, 3-head Californian stamp battery, elevator, screens, jigs, classifiers, sand tables, frames, slime table, magnetic separator, vanning shovels, etc.
Photometric bench and photometers.
Mine rescue apparatus.
Rock drills.
Safety lamps and gas testing chambers.
Westphal balance.
Etc.

For Surveying.

The apparatus includes :

Hand instruments for prospecting and rough surveying including box sextant, Abney level, prismatic compass, Brunton's Mine Transit, &c.
Chains, tapes, steel bands, standard steel band.

Miners' dials, with sliding centre and with three tripod outfit.
Mining Theodolite, with removable target.
Plane Table.
Levels, including precise level. Levelling Staves. Ranging Poles, &c.
Transit instrument for connection of underground and surface surveys.
Shaft-Plumbing outfit for the same.
A Calculating Machine. Fuller's Slide Rule. Computing Scale.

An Observatory has been established by the University and contains an 18 in. equatorially mounted reflector, 4½ in. transit instrument, astronomical clock, chronograph, and a series of meteorological instruments.

Astronomical work in connection with surveying may be done by students at the Observatory.

Laboratory Work

The laboratory Course extending over the last two years, includes the following:

Analysis of mine atmospheres, flue gases, etc.
Assaying of ore and metallurgical products.
Calorimetry.
Coal Washing Tests.
Commercial analysis of fuel.
Examination of mine dusts.
Fan efficiency tests running (1) singly, (2) in series, and (3) in parallel.
Measurement of air flow.
Photometry.
Practical methods of mine gas detection.
Practical work in ore dressing, including tests on the efficiency of the various appliances used.
Practice in use of various forms of rescue apparatus.
Pyrometry.
Testing of air compressors: transmission of compressed air; air consumption of rock drills.

The laboratory instruction is supplemented by testing the efficiencies of boilers, fans, air-compressors, etc., at collieries.

Office Work

The work in the Drawing Office will include the following:

1. Calculations and practical exercises connected with work and problems in mine surveying.
2. The preparation and reproduction of mine plans and sections.
3. The drawing and design of mining machinery and plants and mine structures.

The Office Work will be based upon the lectures on Mining Engineering and Mine Surveying given during the session.

Every student will be held responsible for the instruments, apparatus or machinery with which he is working, and will be required to make good any damage caused by him. A deposit of 10s. 6d. will be required from which the cost of stationery supplied will be deducted. The balance will be returned in the event of no damage being done to instruments, apparatus or machinery, but the student's liability is not limited to the amount of the deposit.

In the case of occasional students and of students taking additional or extra work in the Laboratory or in Surveying, the Fees will depend on the time spent on such work.

Field and Underground Work in Surveying

During the session, at times to be arranged, instruction will be given in Field Work and Underground Surveying. Students will be required to go through a systematic course of work in the following:—

1. The use of surveying instruments.
2. Determination of the constants of instruments.
3. Errors of instruments; their elimination and adjustment.
4. Methods of securing the degree of accuracy necessary in particular kinds of work.

5. Adjustment of observations.
6. Astronomical observations for azimuth.
7. The survey of the surface of a mineral property including reconnaissance, triangulation, traversing, levelling, tacheometry, and detail work.
8. The survey of the underground excavations of a mineral property, including traversing and detail work.
9. The connection of surface and underground surveys.
10. Curve-ranging and setting-out work in general.

At the end of the course, students will be required to produce evidence of having carried out surveying work on the surface and underground at a mine. Arrangements will be made whereby such work may be carried out on the surface and underground at a neighbouring mine during the vacations. Incidental expenses for the carriage, storing, loan or insurance of instruments may be liquidated by a charge on each student not exceeding 10s. Any balance remaining after settling accounts will be returned to students.

Mining Excursions

During the session excursions will be made to mines and works where mining machinery is manufactured. The object of these excursions will be to give students an insight into practical methods and mining practice generally.

University Mining Society

The membership of this Society includes both present and past students. It forms one of the most attractive features of the department, its principal function being to arrange for the reading of papers on mining subjects by acknowledged experts. All papers read during the season are published in the Society's own journal.

Colloquium

During their final year students are given valuable training in presenting papers on mining subjects for discussion among themselves.

Departmental Library

Apart from the main University Library where every authoritative book on all technical subjects is obtainable, there is now a Departmental Library, which is always kept up to date in mining literature. All the principal mining journals and periodicals published in this country, America, South Africa, France and Germany are also accessible to students.

William Cooke & Company Scholarship

This Scholarship, of the annual value of £21, instituted in 1906 by Messrs William Cooke & Co., of Sheffield, is at present in abeyance.

DEPARTMENT OF COAL GAS AND FUEL INDUSTRIES

WITH

METALLURGY

This department of the University was established in 1907 under the name of Department of Fuel and Metallurgy, and was the first of its kind in the British Universities. The buildings now occupied were erected and equipped in the year following out of funds provided by the West Yorkshire Coal-owners, supplemented by a special donation of £1,000 by Messrs. George Bray & Co. Ltd. At the death of the late Sir George Livesey in 1910, a fund was raised by the Institution of Gas Engineers to provide a memorial to him, and this was applied to the endowment of the Chair filled by the Head of the Department. The work of the Department is carried out with the help of an Advisory Committee known as the Coal Gas and Fuel Industries (Livesey Professorship) Committee. Through the generosity of Mr. Henry Woodall, the department has since been enlarged by the donation of an experimental gas plant which will form a permanent memorial to the late Sir Corbet Woodall. Several private firms have cooperated in providing parts of the plant which is specially designed for experimental work.

Courses of Study

The courses of study in this department have been drawn up to meet the requirements of students who are preparing for responsible positions in the Fuel and Metallurgical industries.

The courses in Gas Engineering and the Technology of Fuel will deal chiefly with the manufacture and distribution of coal gas, by-product coking processes, the production and application of gaseous fuels for heating, lighting and power purposes and the properties and uses of fuels in general.

The metallurgical courses will deal with general methods for the treatment of ores, the extraction of metals, the construction and control of furnaces, with the production of cast iron, wrought iron and steel, and with the microstructure,

physical properties, and heat treatment of steel and other industrial alloys.

A course in the manufacture, properties and uses of Refractory Materials is given to all students in the department.

B.Sc. Course

Students who can devote three years to attendance at the University are strongly recommended to take the B.Sc. degree course, either in Gas Engineering or in Fuel and Metallurgy. Before commencing the degree course, however, students must pass or obtain exemption from the Matriculation examination, conducted by the Joint Matriculation Board of the Universities of Manchester, Liverpool, Leeds, Sheffield and Birmingham. A special examination will be held to meet the cases of those who have been engaged in Commerce and Industry for at least three years and have reached the age of nineteen years. (See the Syllabus of the Joint Matriculation Board obtainable from the Secretary, 315, Oxford Road, Manchester).

During the first year of the degree course the student will normally attend classes and take examinations in Mathematics, Physics, Chemistry, Fuel and Engineering. The student will, during his second year, continue the study of Chemistry, and will also take courses in Mechanical and Electrical Engineering, the Properties of Gases, and Fuel and Metallurgy, supplemented by work in the Fuel and Metallurgical laboratories. During the third year the student will mainly devote his attention to his special subject (*i.e.*, Gas Engineering, or Fuel and Metallurgy), but may also attend courses in Organic Chemistry, Colour Chemistry, Civil Engineering,, Applied Economics and Metallurgy, etc. In the second and third year the student will attend the special courses on industrial practice which are arranged from time to time. The three years' course will thus include systematic training in Mathematics, Physics, Chemistry, General Engineering and Mechanical Drawing in addition to the study of the special branch of Applied Science (Gas Engineering or Fuel and Metallurgy). The student will qualify for the B.Sc. degree by attending the courses detailed below and passing the corresponding examinations.

I. Ordinary B.Sc. Degree Course in (i) Gas Engineering and (ii) Fuel and Metallurgy

All students will take the same course in their first year after matriculation, as follows:—

	Hours per week
Mathematics for Applied Science students ...	4
Physics, Introductory	3
Physics Laboratory	3
Chemistry, Introductory	3
Chemistry Laboratory	10½
Engineering I (2 hrs. lectures, 3 hrs. drawing)	5
Fuel I	1

The courses during the second and third years will be somewhat differentiated, according to the respective needs of gas engineers and metallurgists, as follows:—

Second Year Course

All students must take the following:—	Hours per week
Chemistry F2 (or as recommended)	3
Engineering (including Electrical) IIs ...	4
Fuel II (1st and 2nd terms)	1
Fuel IIa (1st and 2nd terms)...	1
Chemistry Laboratory, or Fuel and Metallurgical Laboratory ...	15
Engineering Laboratory	3

Metallurgical students will also attend in addition to the above:—

Metallurgy VIII (General)	1
Metallurgy IX (Non-Ferrous)...	1

Third Year Course

Gas Engineering students must attend:—

Fuel III	1
Fuel IIIa	1
Fuel and Metallurgical Laboratory	22
Fuel and Metallurgical Colloquium	1

and may also attend courses chosen in consultation with the Head of the Department from the following: Organic

Chemistry F3, Colour Chemistry IV, Colloid Chemistry, Civil Engineering, Applied Economics, German and General Metallurgy.

Metallurgical students must attend :—	Hours per week.
Fuel III	1
Metallurgy X	2
Metallurgy XI	1
Metallurgy XII	1
Fuel and Metallurgical Laboratory	22
Fuel and Metallurgical Colloquium	1

Special Lecture Courses to be taken during the second or third years

In addition to the above lectures, students must also attend, during either the second or third year, the special lectures given in the department by outside lecturers in the following or similar subjects :—*

Metallurgical Students	Gas Engineering Students
By-Product Coking Processes	By-Product Coking Processes
Refractory Materials	Manufacture of Coal Gas
	Distribution and Uses of Coal Gas
	Refractory Materials

II. Honours B.Sc. Course

Honours in Gas Engineering or Fuel and Metallurgy will be awarded to candidates who, having obtained the Ordinary degree, with either Gas Engineering or Fuel and Metallurgy as a principal subject, and being recommended as suitable to proceed with an Honours course, shall have spent one year in research or advanced study, or in the preparation of a thesis on some industrial process, to the satisfaction of the examiners, attendance at the University during this fourth year not being compulsory.

A degree student in Gas Engineering or Fuel and Metallurgy who with the approval of the Senate carries out research work and submits a thesis upon it, and who also satisfies the conditions for the pass degree, may be awarded an Honours degree at the end of the third year.

* This list is subject to variation, either by substitution or addition, according to the arrangements for special lecture courses which may be in vogue during any particular session or sessions.

III. Ph.D. Course

The Degree of Ph.D. will be awarded to graduates of this and other approved Universities who complete a course of advanced study and research extending over two years in the Department, and also satisfy the other conditions laid down for this Degree.

IV. Diplomas and Degree Courses for Post-Graduate Students

(*a*) A Diploma in either (i) Gas Engineering or (ii) Fuel and Metallurgy will be awarded to graduates of this or some approved University who, having graduated with Chemistry, Engineering, or Metallurgy as a principal subject, shall have attended for at least one year an approved course of lectures and laboratory work, and have passed an examination thereon. Students taking this special Diploma course must put in a full attendance at the University for at least one year.

Honours in Gas Engineering or Fuel and Metallurgy may also be conferred upon candidates who, having graduated in Science at this or an approved University, with Chemistry or Engineering as a principal subject, shall have subsequently (1) completed the course and passed the examination required for the diploma in Gas Engineering or Fuel and Metallurgy; and (2) spent an additional year in research in the department, to the satisfaction of the examiners.

Diplomas and Diploma Courses

Diplomas in (1) GAS ENGINEERING:
(2) FUEL AND METALLURGY:

Candidates for either of the above Diplomas are required:—

I. *During the Course*—

(*a*) To give satisfactory attendance upon the subjects which form any part of the course of study.

(*b*) To present themselves for any Departmental examinations that may be held in the subjects forming part of their course of study. The record of students at their Departmental exam-

inations will be taken into account in deciding the results of the Diploma examination.

(*c*) To make formal entry, on the prescribed form, not later than March 1st of the last session of the course, and to pay at the same time the prescribed examination fee.

II. *At the end of the Course*—

(*a*) To reach a satisfactory standard in any final examination which may be set.

(*b*) To translate into English a passage of French or German technical literature. A foreign student who can show that he has received a good general education will be exempted from this language test.

III. A Diploma may be granted upon a degree course provided that the subjects studied for the degree include those prescribed for the Diploma, and that the other conditions are complied with. In such case, if the candidate is a graduate of this University, the fee for the Diploma is reduced to £1.

A student producing evidence of adequate previous scientific or practical training, may, upon application to the Senate, be exempted from a portion of the normal course and may qualify for the Diploma upon a shortened period of study.

The University Diploma in Gas Engineering or Fuel and Metallurgy, will be granted to candidates who have taken one of the courses following, to the satisfaction of the Head of the Department. These courses are arranged for Gas Engineers and Metallurgists who, while wishing to secure a certificate of successful study, cannot for any reason take the B.Sc. degree :—

(*a*) a three years' course, the same as for the B.Sc degree.

(*b*) a two years' course for students exceptionally prepared in general science.

(*c*) a two years' course for students exceptionally prepared in technical subjects.

(*d*) a four years' course to be arranged for students serving an apprenticeship or its equivalent in Gas Engineering or Metallurgy. This course might occupy three days per week or equivalent time for the first year, and at least two and a half days per week or its equivalent in the three succeeding years. A works' report in this case might be submitted for consideration in applying for the Diploma.

(*a*), (*b*), (*c*) and (*d*) would lead up to the same Diploma.

There will be a final examination for the diploma which will be the same as that in the principal subjects of the final examination for the degree of B.Sc. in Gas Engineering or Fuel and Metallurgy. The Fee for this examination is £6.

SYLLABUS OF LECTURE COURSES

I. Fuel—Introductory

One hour a week throughout the session.

This Course is specially intended for Engineering Students and others who wish to acquire a general knowledge of fuel; it will also form part of the first year's course for students taking the B.Sc. Degree in either (i) Gas Engineering or (ii) Fuel and Metallurgy. An elementary knowledge of chemistry is essential in taking this course.

II. Fuel

One hour a week (first and second terms).

Subjects of Course I. will be treated in greater detail in these lectures.

IIa. The Physical Properties of Gases

One hour a week (first and second terms).

III. Fuel

(Carbonisation of Coal. Gaseous Fuels.)

One hour a week (first and second terms).

IIIa. The Chemical Properties of Gases

One hour a week (first and second terms).

The following three Courses (IV to VI inclusive) will be given by specially appointed outside lecturers

IV. The Manufacture of Coal Gas

A special Course of 12 Lectures (Wednesdays at 6 and 7.30 p.m.) during the *second* term (January to March), to be delivered in *alternate* sessions.

V. The Distribution and Uses of Coal Gas

Special Courses of Lectures (Wednesdays at 6 and 7.30 p.m.) during the *second* term (January to March), to be delivered in *alternate* sessions by specially appointed lecturers.

VI. By-Product Coking Processes

A special Course of 8 Lectures on Tuesdays, at 6 and 7.30 p.m. during the *second* term in *alternate* sessions by specially appointed lecturers.

VII. Refractory Materials

A special course of 12 Lectures on Tuesdays, at 6 and 7.30 p.m. during the *second* term in *alternate* sessions.

VIII. Metallurgy—General

One hour a week throughout the session.

The course is intended both as a general introduction to the study of metallurgy and to meet the requirements of students of the Engineering department.

IX. Metallurgy—Non-Ferrous

One hour a week throughout the session.

This course covers the principal processes for the extraction of non-ferrous metals.

X. Metallurgy—Iron and Steel

Two hours a week throughout the session.

XI. Metallography and Alloys

One hour a week throughout the session.

This will take the form of special lectures, demonstrations, &c., in which the constitution, micro-structure and heat treatment of industrial alloys will be explained.

XII. Metallurgy—Principles of Analysis

One hour a week.

XIII. Metallurgy for Mining Students

One hour per week. The course will deal with the treatment of ores and the extraction of metals, and will be supplemented by a laboratory course in Assaying.

Fuel and Metallurgical Colloquium

There will be a weekly colloquium held in the department on Thursdays, at 4 p.m., for the discussion of questions relating to the technology of gases, fuel and metallurgy, and for the review of the current literature of those subjects.

Fuel and Metallurgical Laboratories

The accommodation of the department, which has been recently considerably extended, is arranged to provide for both teaching and research. There are general laboratories for both chemical and physical work with special provision for calorimetry and photometry and metallography. Rooms are provided for furnaces and high temperature work, and also a laboratory for the study of the application and flow of heat. A separate installation exists for the study of the heating and ventilating efficiency of gas appliances. The accommodation for research has been recently considerably enlarged and there is a departmental workshop with skilled mechanics in charge. A departmental museum and library is provided, and facilities for reading, writing and drawing. The Corbet Woodall gas plant is specially designed for experimental work on the carbonisation of fuel. It comprises a setting of two horizontal retorts by Gibbons & Co. (Dudley) Ltd., two vertical retorts by the Woodall Duckham Ltd., machinery by the Bryan Donkin Co Ltd., Chesterfield, meter by Parkinson and Cowan Ltd., condensing, purifying plant and two 1,000 cubic feet gas-holders by Clayton, Son & Co. Ltd , Leeds, and gas-fired steam boiler by Spencer-Bonecourt, Ltd.

The Laboratories will be open during the session from 9.30 a.m. to 1 p.m. and from 2 to 5 p.m. except on Saturday afternoons.

The practical instruction and research will cover the following subjects :

(*a*) Examination of solid and liquid fuels.
(*b*) Analysis of gases.
(*c*) Preparation, compression and liquefaction of gases. Use of high pressure gas.

(*d*) Chemical and physical examination of refractory materials.
(*e*) Examination of raw materials and by-products of the manufacture of coal gas, coke and producer gas.
(*f*) Examination of water for steam-raising and other industrial uses.
(*g*) Pyrometry: thermoelectric, resistance, radiation and optical.
(*h*) Calorimetry, photometry, radiometry, and the testing of gas heating and lighting appliances.
(*i*) Measurement of the flow of gases and the transmission of heat.
(*j*) Analysis of ores, slags, mattes, alloys, and other metallurgical products.
(*k*) Microstructure, heat and mechanical treatment of steel and other industrial alloys.

Special courses for outside students in any of the above subjects may be provided by arrangement with the Professor, and every facility will be afforded to properly qualified persons who may wish to undertake research work in connection with industrial processes.

Students will also be encouraged to make themselves acquainted with the researches which are being carried out in the department, the results of which will, at convenient intervals, be explained.

Each student will be furnished with a separate working table, and will be required to provide himself with a regulation set of apparatus. Special apparatus may be obtained on loan, subject to such conditions as may be prescribed by the Professor.

Students will be held liable for any damage arising from careless or unauthorised use of departmental equipment.

Evening Laboratory Work

The laboratory will also be open on Wednesdays from 6 to 9 p.m. during the second term, and instruction will be given in pyrometry, calorimetry, photometry, gas analysis, general gas works testing, and metallography, to a limited number of students who satisfy the Head of the department of their fitness to enter upon the course.

Fee, 10s. 6d.

TEXTILE INDUSTRIES

Endowed by the Clothworkers' Company of the City of London

The Department comprises the following sections :

(*a*) Woollen Yarn Spinning.
(*b*) Worsted Yarn Spinning (English and Continental systems).
(*c*) Designing, Weaving, and Textile Manufacturing.
(*d*) Finishing of Textile Fabrics.
(*e*) Textile Testing and Research.

Each section possesses a complete large scale plant of machinery designed and constructed for demonstrating the technicalities of the various processes of manufacture.

In addition to their use for teaching purposes, these sectional plants are employed in connection with the investigations and researches which are undertaken by the staff and advanced students.

The courses of instruction are designed to meet the requirements of

(*a*) Controllers of industry
(*b*) Merchants
(*c*) Inside Managers (Combing, Spinning, Weaving and Finishing)
(*d*) Textile Designers ; and
(*e*) Research Workers.

Courses of Study

Although students are admitted for shorter periods, the normal courses of study extend over three years, and in some cases, over four years. Wherever possible students are recommended to take one of the degree courses of study followed by one session's intensive work on Textile problems.

The following are the principal courses of study :

(A) University Degree of B.Sc. in Textiles.
(B) University Degree of B.Com., with Textiles as a principal subject.

(C) Diploma in Textiles, awarded after one year's post-graduate work following the course for B.Sc. in Textiles, or B.Com. with Textiles as a principal subject.

(D) Diploma in Textile Industries, awarded principally for technological work.

A.—Ordinary Degree of B.Sc. in Textiles

First Year

Mathematics for Applied Science
Physics (Introductory)
Chemistry (Introductory)
General Engineering I
Physics and Chemistry of Textile Processes
Textiles (Introductory to Materials, Yarn and Cloth Structure)
Experimental Work Textile Materials

Second Year

Mathematics F3 and F4
Physics F1
Organic Chemistry F3 (or Physical Chemistry)
Woollen Spinning I
Worsted Spinning I
Cloth Structure I

Third Year

Physics F2 or General Engineering IIs.
Chemical Technology of Textile Fibres.
Experimental Dyeing
Woollen Spinning II
Worsted Spinning II
Cloth Structure II
Cloth Finishing
Textile Calculations
Textile Testing
Mill Management
Business Economics

B.—Ordinary Degree of B.Com. with Textiles as a Principal Subject

First Year

Mathematics for Applied Science Students
Physics (Introductory)
Economics
Commercial Law
Textiles (Introductory to Materials, Yarn and Cloth Structure)

Second Year

Economics
Commercial Law
Statistics
Cloth Analysis I
Woollen or Worsted Yarn Spinning I

Third Year

Economics
Accountancy
Woollen or Worsted Yarn Spinning II
Cloth Analysis II
Textile Testing

A Fellowship and valuable Scholarships specially designed for the promotion of post-graduate and research work are offered by the University, the Research Associations and other bodies.

C.—Diploma, following the course B.Sc. in Textiles or B.Com. with Textiles as a principal subject

Fourth Year

Specialising in Spinning.

T3. Woollen Yarn Spinning I
T3*a*. Woollen Yarn Spinning II
T4. Worsted Yarn Spinning I
T4*a*. Worsted Yarn Spinning II
T10*a*. Cloth Analysis I
T9. Cloth Finishing
T11. Textile Testing

Specialising in Manufacturing

T5. Cloth Structure III
T6. Loom Study II
T10. Cloth Analysis II
T8. Colour Study II
T9. Cloth Finishing
T12. Mill Management
T11. Textile Testing

Specialising in Commerce.

T5. Cloth Structure III
T6. Loom Study II
T2. Materials Study
T8. Colour Study II
T9. Cloth Finishing
T12. Mill Management

During the fourth year, candidates for the Diploma must present a Thesis dealing with some approved Textile research. Such research must have a Mathematical, Physical, Chemical, or Mechanical basis. They must also present the necessary Work Sheets.

N.B.—These courses may necessitate two years' work.

Students taking the degree of B.Sc., or B.Com., or the Diploma, may submit translations and accurate reading of technical French and German as examination subjects.

Graduates of the University and of other approved Universities, who have not taken the courses and passed the examinations above prescribed for the Ordinary Degree of B.Sc. in Textiles or of B.Com. with Textiles as a Principal subject, may be awarded the Diploma,

provided that they have pursued the courses of study and passed the examinations (*a*) in the technological subjects prescribed for the Ordinary Degree of B.Sc. in Textiles and (*b*) in the subjects (including the thesis) above prescribed for the Diploma.

N.B.—These requirements will normally involve not less than two years' study.

D.—Diploma in Textile Industries

Students who combine with a three years' technological course in the Textile Industries department :—

(*a*) The introductory courses of study in Mathematics, Physics and Chemistry ; or

(*b*) Courses of study in General Economics, F1 Financial and Commercial Organisation, S. Statistics, Industrial Law and Accountancy ; or

(*c*) Courses of study selected from two of the following : Inter. French ; Inter. German ; Inter. Spanish ; or Inter. Russian Language and Literature ; or

(*d*) Courses of study in Historic Design in the Principles of Ornament and Colour (School of Art) ;

and pass the examinations not lower than 2nd Class in such courses, as well as in the following indicated subjects, will receive the Diploma in Textile Industries.

FOR COURSES (*a*) (*b*) AND (*c*)

T1.	T4A.	T6A.	T10.	T14.
T2.	T5.	T7.	T10A.	T15.
T3.	T5A.	T8.	T11.	T16.
T3A.	T5B.	T8A.	T12.	
T4.	T6.	T9.	T13.	

FOR COURSE (*d*)

T1.	T6.	T9.	T17.
T2.	T6A.	T10.	T17A.
T5.	T7.	T10A.	T17B.
T5A.	T8.	T11.	
T5B.	T8A.	T12.	

NOTE.—Courses of training taken in other approved institutions will be accepted as part of the qualifications for this Diploma, provided that the courses taken in the University are the equivalent of not less than two complete sessions' courses of study.

During the third year, candidates for the Diplomas (*a*), (*b*), (*c*), must present a Thesis dealing with some approved Textile research. Such research must have a Mathematical, Physical, Chemical, Mechanical, or Economic basis.

Theses should be presented in duplicate and typed on quarto size paper, one copy being retained for the University Library.

Candidates for Diploma (*d*) must also submit a Thesis based upon their course of study.

Students are further required to present twelve selected " work-sheets " at the end of their final year, and also to present their Lecture Note Books for examination at the end of every term. First year students are expected to present their Lecture Note Books for half-term examination also.

Long Vacation Work in the Mills

Students year by year qualifying in the above courses usually have the privilege of spending at least two months of the long vacation in the mills of the district, thus gaining experience under the actual conditions of industry. This concession, kindly granted by many firms in Yorkshire, is highly appreciated by the University.

Lecture Courses, Experimental and Research Work

T1. The Textile Industries (Introductory)

FIRST YEAR : Lectures on Tuesdays from 11 a.m. to 12 noon, and on Fridays from 10 to 11 a.m. throughout the session.

SUBJECTS.—The various Textile Fibres, their distribution and growth ; the basic principles of Manipulation.

Physical bases of yarn structures ; twist ; strains ; the trigonometry involved; problems involving the differential and integral calculus ; mechanical principles involved.

Theories of interlacing ; the trigonometry involved ; weights of cloths ; graphs ; problems involving the differential and integral calculus.

TEXT BOOKS

Textiles by A. F. Barker and others.
Woollen and Worsted Spinning by A. F. Barker.
Elementary Textile Design by W. Watson.
Advanced Textile Design by W. Watson.

T2. Materials Study

SECOND YEAR: Lectures and Practice on Thursdays, from 10 a.m. to 12 noon.

SUBJECTS.—Wool, Cotton, Silk, Flax, &c., qualities, properties and uses; samples illustrating the various Manufacturing Processes; Compilation of Materials Book.

TEXT BOOK

Textiles (Constable & Co.)

T3. Woollen Yarn Spinning I

FIRST YEAR: Lectures on Tuesdays from 3 to 4 p.m. and on Thursdays, from 2 to 3 p.m. during the 1st term.

SUBJECTS.—Characteristic features of a typical woollen thread, variation due to the use of materials varied in quality and lengths, features due to special methods of treatment in manufacture; Processes up to drying; Machinery; Calculations.

Students attending this course should also attend T1 The Textile Industries (Introductory).

T3*a*. Woollen Yarn Spinning II

SECOND YEAR: Lectures on Wednesdays from 11 a.m. to 12 noon throughout the session.

SUBJECTS.—Processes including carding and spinning; Machinery; Calculations.

T4. Worsted Yarn Spinning I

(English and Continental Systems).

FIRST YEAR: Lectures on Tuesdays, from 3 to 4 p.m. and Thursdays, from 2 to 3 during the second term.

SUBJECTS.—Characteristic features of a typical worsted thread, variations due to the use of materials varied in quality and length, features due to special methods of

treatment in manufacture; Processes including preparing, carding, combing and finishing; Machinery; Calculations.

Students taking this course should also attend T1 The Textile Industries (Introductory).

T4*a*. Worsted Yarn Spinning II

SECOND YEAR: Lectures on Fridays, from 2 to 3 p.m. throughout the session.

SUBJECTS.—Materials; Processes including drawing, spinning, twisting and finishing; Machinery; Calculations.

TEXT BOOKS

Wool Carding and Combing (Cassell & Co., Ltd.)
Woollen and Worsted Spinning (Cassell & Co., Ltd.)

REFERENCE BOOKS FOR WOOLLEN AND WORSTED SPINNING.

Textiles (Constable & Co.)
Woollen and Worsted (G. Bell & Sons)

Experimental Work

Woollen Section.—Experiments throughout the session in scouring, blending, carding, spinning and twisting.

Worsted.—Experiments in carding, gilling, combing, drawing, spinning and doubling.

The building, setting, construction, and manipulation of the different machines.

Senior students will also have practical demonstrations on the output and adaptability of the machines for the production of different types of yarn.

T5. Cloth Structure I

FIRST YEAR: Lectures on Tuesdays, from 2 to 3 p.m., and Thursdays, from 11 a.m. to 12 noon during the first term.

SUBJECTS.—*Structures:* Plain, twill, sateen, &c. types; drafted styles; loom mountings, tappet and dobby effects.

T5*a*. Cloth Structure II

SECOND YEAR : Lectures on Tuesdays and Fridays from 10 to 11 a.m. during the first term.

SUBJECTS.—*Structures :* Backed cloths, double cloths and cut double cloths ; reversible double cloths ; treble cloths ; matelasses ; drafting and complex loom mounting.

T5*b*. Complex Textiles III

THIRD YEAR : A course of study on Thursdays, from 2 to 3 p.m. throughout the session.

SUBJECTS.—Cloth Structures including tapestry, gauze and plush styles.

Experimental Work

The experimental hand and power loom weaving is organized to enable the student to grasp more perfectly the fundamental principles dealt with in the lecture room.

During the third and fourth years students have the opportunity of selecting the raw material, spinning it into yarn, weaving it into cloth, and finally finishing the cloth. By this means a sound, all-round practical knowledge of wool manufacturing is attained.

T6. Loom Study I

FIRST YEAR : Lectures on Mondays, from 2 to 3 p.m. and on Wednesdays from 11 a.m. to 12 noon during the first term.

SUBJECTS.—The primary motions in weaving ; the treadle and dobby hand looms ; the principles of shedding, picking, beating up, letting-off, taking-up and boxing.

The power loom : the various types of tappet looms ; the simple dobby loom ; taking-up mechanisms ; picking mechanisms.

T6*a*. Loom Study II

SECOND YEAR : Lectures on Tuesdays and Fridays from 11 a.m. to 12 noon throughout the session.

SUBJECTS.—The various types of dobby looms ; shedding mechanisms ; boxing mechanisms ; special constructions and mountings.

The various types of jacquards—single and double lift—centre and open shedding ; harness calculations ; harness and shaft mountings ; split harness and pressure harness mountings.

Shed designs and organisation.

TEXT BOOK

The Mechanism of Weaving (Longmans & Co.)

REFERENCE BOOK

Jute and Linen Weaving (Macmillan & Co.)

T7. Textile Calculations I

FIRST YEAR : Lectures on Mondays and Fridays, from 11 to 12 noon during the first term, and on Fridays, from 11 to 12 noon in the second and third terms.

SUBJECTS.—Wool yields ; conditioning and re-gains ; material calculations from carded or prepared sliver to finished yarn ; yarn counting and calculations ; yarn diameters ; twist calculations ; the set systems and set calculations ; warp and weft calculations ; cloth calculations ; the metric system of calculations for yarns and cloth ; complex yarn and cloth calculations ; the weights of cloths.

TEXT BOOKS

Textile Design (Methuen & Co.)

Analysis of Woven Fabrics (Scott, Greenwood & Son)

T8. Colour Study I

FIRST YEAR : Lectures on Tuesdays, from 2 to 3 p.m. and on Thursdays from 11 to 12 noon during the second term.

SUBJECTS.—Colour theories and the attributes of colours ; contrast and analogy ; colour blending ; application of colour to woven design ; special colour and weave effects ; synthesis and analysis of colour and weave effects.

T8*a*. Colour Study II

SECOND YEAR : Lectures on Tuesdays and Fridays, from 10 to 11 a.m. during the second term.

SUBJECTS.—The economical introduction of colour into woven fabrics ; the colour limitations of woven design ;

the introduction of colour into stripes, checks and figured fabrics, the colouring of special woven styles; the colouring of double cloths, gauzes and plushes.

REFERENCE BOOK

Colour in Woven Design (Whittaker & Co.)

T9. Cloth Finishing

Lectures on Mondays and Thursdays, from 2 to 3 p.m. during the second term.

SUBJECTS.—The objects of finishing: Scouring, crabbing, milling, drying, and tentering, raising, brushing, and steaming, cutting and pressing.

Changes in fabrics from the loom to the finished state; shrinking; particular finishes; finishing costs.

TEXT BOOKS

Finishing of Textile Fabrics (Ernest Benn, Ltd.).
Analysis of Woven Fabrics (Scott, Greenwood & Son)

T10. Cloth Analysis I

FIRST YEAR: Lectures and Demonstrations on Mondays, from 2 to 3 p.m. and on Wednesdays from 11 a.m. to 12 noon during the second term.

SUBJECTS.—The analysis of simple weaves, twills, sateens, and corkscrews; the analysis of simple textural stripes and checks; the analysis of colour effects and colour and weave relationships; weights of materials; finished weights per yard.

T10*a*. Cloth Analysis II

SECOND YEAR: Lectures and Demonstrations on Tuesdays and Fridays, from 11 a.m. to 12 noon during the second term.

SUBJECTS.—The analysis of the more complex single structures; the analysis of warp and weft backed cloths and imitation backed cloths; the analysis of double and triple cloths, fancy fabrics, &c.; calculations on production; departmental costings.

NOTE.—Additional Cloth Analysis may be taken by special arrangement.

TEXT BOOK

The Analysis of Woven Fabrics (Scott, Greenwood & Son).

T11. *Textile Testing

Lectures on Mondays and Thursdays, from 2 to 3 p.m. during the first term. Practical testing on Mondays from 3 to 5 p.m. throughout the session.

Microscopic examination, fibres, yarns and fabrics; fibre, yarn and cloth testing for strength, elongation and elasticity; quality tests of yarns and fabrics; physical qualitative tests; the study and use of special testing apparatus; study of defects in yarns and fabrics.

T12. Mill Design and Management

Lectures and practice on Mondays, from 10 a.m. to 12 noon throughout the session.

SUBJECTS.—Site selection; buildings; drainage; lighting; power; equipment; estimates of cost for typical plants; production of machines and sectional plants; book-keeping; costings.

Lectures and Demonstrations by University and Industrial Specialists are given in this course.

T13. The Chemical Technology of Textile Fibres, Water and Mordants

Lectures on Mondays and Wednesdays, at 12 noon during the first term. (Colour Chemistry and Dyeing Department).

T14. Experimental Dyeing

Lectures and laboratory work on Friday afternoons during the first and second terms.

T15. The Elements of Physical and Colloid Chemistry

with special reference to the requirements of Textile Technology.

Lectures on Fridays from 10 to 11 a.m.

A course of lectures serving as an introduction to the technological lectures (T16), intended for students who have not attained matriculation standard in chemistry.

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*NOTE.—Students take the Chemical Technology of the Textile fibres in the Dyeing Department. Large scale experiments, however, may be arranged for in the Textile Industries Department.

T16. The Physical Chemistry of Textile Materials and Processes

Lectures on Mondays and Wednesdays from 10 to 11 a.m. throughout the session.

Subjects.—The chemistry of wool; the physical properties of wool considered in relation to manufacturing processes; hardness of water; chemistry of oils, fats, waxes and soaps; testing of wool oils and creams; scientific principles of scouring, milling, carbonising, sizing, chlorination, dyeing and general finishing processes. Lubrication. Humidity and humidification.

Experimental Work
Analysis and Testing of Wool Oils and Soaps

A practical course of analysis of wool oils, soaps, etc., occupying a minimum of six hours per week, has been arranged to meet the requirements of students and firms particularly interested in the subject of wool oils and the oiling of wool.

Art Applied to Textile Design

The courses of study relate to the analysis, composition and colour qualities of decorative design applicable to all styles of woven fabrics, and comprise lectures and practice arranged from simple Jacquard productions to Complex Structures in conjunction with all Complex loom mountings.

T17. First Year Course

Limitations in Designing for Figured Textiles, construction and development of point paper plans from sketches for simple types; Designing of effects for simple Jacquard productions; *Principles of ornament and colour.

T17*a*. Second Year Course

Point paper designs for fancy dress goods and decorative fabrics and preparation of same for loom. Designing of figured fabrics in compound weaves; *Historic ornament.

*These Classes are held at the School of Art.

T17*b*. **Third Year Course**

Analysis of Museum specimens for Design Colour and Structure. Designing and preparation of Complex designs for the loom, including Carpets, Tapestries, Damasks, Brocades, Gauzes, Velvets, &c.

Students in III. Year will specialise in any particular branch in which they are interested.

TEXT BOOK FOR FIRST AND SECOND YEAR COURSES
Ornamental Design for Woven Fabrics (Methuen & Co.)

Arrangements may be made by which students who wish to devote themselves more closely to the artistic side of Textile Design may attend the Department for two or more days per week.

T18. **Economics, Statistics, Commercial Law and Accountancy**

For these subjects students are referred to the prospectus of the Department of Economics and Law.

T19. **French, German, Spanish and Russian**

Students are advised to take the special classes usually arranged in the several Language Departments of the University for technological students.

T20. **Textile Course for Students of the Colour Chemistry and Dyeing Department**

A course of about twenty lectures and demonstrations on textile manufacturing (raw materials, spinning, weaving, and cloth finishing) during the first and second terms.

T21. **Museum Study: Use of Reference Library**

All students are expected to consult the Museum Specimens, which cover the complete range of textile processes and to refer to the Standard Text Books which are housed in the department.

The collection of Textile Fabrics (old and modern) is said to be second only to South Kensington and should prove an inspiration to students studying Textile Design.

Special Lectures

During the first and second terms lectures will be given on Thursdays, from 3 to 4 p.m., by lecturers

specially conversant with the pressing problems of the industry.

During the past session the following lectures were given :—

"Australia and Australian Wools."
"Industrial Organization in the United States."
"South American Wools and Woolgrowing."
"Textile Research Associations in Germany."
"The Functions of a Testing Department in the Factory."
"Colour Organisation."
"Early Textile Inventors."
"Artificial Silk." (Series).

Research Work

The equipment in the various sections of the department affords special facilities for original research in the processes of yarn spinning, fabric structure and designing and finishing. Special arrangements are also made for those students specialising in Textile Engineering to conduct special researches in the Textile Industries Department.

Science graduates and students taking the textile physics and chemistry courses are invited to assist in physical and chemical researches on textile materials and processes.

Scheme of Co-operation between the University of Leeds and the British Research Association for the Woollen and Worsted Industries

1. Duly qualified graduates in Science or Technology may, in accordance with the Ordinances and Regulations laid down in the University Calendar, proceed to the degrees of Doctor of Philosophy or Master of Science of the University of Leeds after the prosecution of research work at the British Research Association for the Woollen and Worsted Industries under the Director of that Association.

2. Graduates of other Universities than Leeds, and Leeds graduates without satisfactory previous training in Textile Industries, wishing to come under this scheme will be required to attend approved courses in the Textile Industries Department of the University for not less than one year. This prescribed attendance in the University may be either previous or subsequent to their period at Torridon, preferably in the first year.

3. All candidates for post-graduate degrees while carrying on their work at the Research Association at Torridon will be under the immediate and direct control of the Director of the Research Association at Torridon, who must be approved by the University for this purpose.

4. All students proceeding to degrees through research work at Torridon must be duly registered students of the University of Leeds, and, as such, shall be under the discipline of the University. They will be required to pay such tuition fees as may be determined by the University Council, and shall be entitled to all the privileges of the University Union, Library, &c., on payment of the appropriate fees.

5. For the purposes of this scheme, the Committee recommend that the Director of the Research Association at Torridon be appointed an Honorary member of the staff of the Textile Industries Department of the University of Leeds, with the title of "Director of Torridon Research Students."

Scheme of Co-operation between the University of Leeds and the British Silk Research Association

1. Duly qualified graduates in Science or Technology may, in accordance with the Ordinance and Regulations laid down in the University Calendar, proceed to the degree of Doctor of Philosophy or Master of Science of the University of Leeds after the prosecution of research work in the laboratories of the British Silk

Research Association located within the University of Leeds and under the Director of that Association.

2. Graduates of Universities other than that of Leeds, and Leeds graduates without satisfactory previous training in Textile Industries or in Colour Chemistry and Dyeing, wishing to come under this scheme will be required to attend approved courses in the Textile Industries Department of the University for not less than one year, or such courses in Colour Chemistry and Dyeing as may be deemed necessary. This prescribed attendance in the Departments of Textile Industries or Colour Chemistry and Dyeing may be either previous or subsequent to the period spent in research in the laboratories of the Silk Research Association, preferably in the first year.

3. All candidates for post-graduate degrees while carrying on their work in the laboratories of the Silk Research Association within the University will be under the immediate and direct control of the Director of the Silk Research Association, who must be approved by the University for this purpose.

4. All students proceeding to degrees through research work under this scheme must be duly registered students of the University of Leeds, and, as such, shall be under the discipline of the University. They will be required to pay such tuition fees as may be determined by the University Council, and shall be entitled to all the privileges of the University Union, Library, etc., on payment of the appropriate fees.

5. For the purposes of this scheme, the Director of the Silk Research Association within the University should be appointed an Honorary member of the staff of the Department of Textile Industries of the University of Leeds, with the title of " Director of Silk Research Students."

First Year Time Tables

FIRST TERM

	9–10	10–11	11–12	2–3	3–4	4–5
MON.	Handloom Weaving	Textile Chemistry	Textile Calculations	Loom Study	Power Loom Weaving	
TU.	Worsted Spinning	Economics	Textile Industries (Intro.)	Cloth Structure	Woollen Spinning Lecture	Woollen Spinning
WED.	Power Loom Weaving	Textile Chemistry	Loom Study	—	—	—
THU.	Worsted Spinning	Economics	Cloth Structure	Woollen Spinning Lecture	Woollen Spinning	
FRI.	Museum Study	Textile Industries (Intro.)	Textile Calculations	Dyeing Lecture	Dyeing Experimental	
SAT.	Handloom Weaving or Museum Study			—	—	—

SECOND TERM

	9–10	10–11	11–12	2–3	3–4	4–5
MON.	Handloom Weaving	Textile Chemistry	Handloom Weaving	Cloth Analysis	Power Loom Weaving	
TU.	Woollen Spinning	Economics	Textile Industries (Intro.)	Colour Study	Worsted Spinning Lecture	Worsted Spinning
WED.	Power Loom Weaving	Textile Chemistry	Cloth Analysis	—	—	—
THU.	Woollen Spinning	Economics	Colour Study	Worsted Spinning Lecture	Worsted Spinning	
FRI.	Museum Study	Textile Industries (Intro.)	Textile Calculations	Dyeing Lecture	Dyeing Experimental	
SAT.	Handloom Weaving or Museum Study			—	—	—

THIRD TERM

	9–10	10–11	11–12	2–3	3–4	4–5
MON.	Handloom Weaving	Textile Chemistry	Textile Calculations	Loom Study	Power Loom Weaving	
TU.	Woollen Spinning	Economics	Textile Industries (Intro.)	Cloth Structure	Worsted Spinning Lecture	Worsted Spinning
WED.	Power Loom Weaving	Textile Chemistry	Cloth Analysis	—	—	—
THU.	Woollen Spinning	Economics	Colour Study	Woollen Spinning Lecture	Worsted Spinning	
FRI.	Museum Study	Textile Industries (Intro.)	Textile Calculations	Dyeing Lecture	Dyeing Experimental	
SAT.	Handloom Weaving or Museum Study			—	—	—

Second Year Time Tables

FIRST TERM

	9–10	10–11	11–12	12–1	2–3	3–4	4–5
MON.	Cloth Finishing		Handloom Weaving	—	Testing Lecture	Testing Practical	
TU.	Handloom Weaving	Cloth Structure	Loom Study	Business Economics	Power Loom Weaving	Textile Economics	Museum Study
WED.	Woollen Spinning		Woollen Spinning Lecture	—	—	—	—
THU.	Power Loom Weaving	Materials Study		Business Economics	Testing Lecture	Special Lectures	—
FRI.	Handloom Weaving	Cloth Structure	Loom Study	Textile Economics	Worsted Spinning Lecture	Worsted Spinning	
SAT.	Handloom Weaving or Museum Study.			—	—	—	—

SECOND TERM

	9–10	10–11	11–12	12–1	2–3	3–4	4–5
MON.	Cloth Finishing		Handloom Weaving	—	Cloth Finishing Lecture	Testing Practical	
TU.	Handloom Weaving	Colour Study	Cloth Analysis	Business Economics	Power Loom Weaving	Textile Economics	Museum Study
WED.	Woollen Spinning		Woollen Spinning Lecture	—	—	—	—
THU.	Power Loom Weaving	Materials Study		Business Economics	Cloth Finishing Lecture	Special Lectures	—
FRI.	Handloom Weaving	Colour Study	Cloth Analysis	Textile Economics	Worsted Spinning Lecture	Worsted Spinning	
SAT.	Handloom Weaving or Museum Study			—	—	—	—

THIRD TERM

	9–10	10–11	11–12	12–1	2–3	3–4	4–5
MON.	Cloth Finishing		Handloom Weaving.	—	Testing Lecture	Testing Practical	
TU.	Handloom Weaving	Cloth Structure	Loom Study	Business Economics	Cloth Finishing Lecture	Textile Economics	Museum Study
WED.	Woollen Spinning		Woollen Spinning Lecture	—	—	—	—
THU.	Power Loom Weaving	Materials Study		Business Economics	Power Loom Weaving	Special Lectures	—
FRI.	Handloom Weaving	Colour Study	Cloth Analysis	Textile Economics	Worsted Spinning Lecture	Worsted Spinning	
SAT.	Handloom Weaving or Museum Study			—	—	—	—

Third Year Time Tables

A.—For Students specialising in Spinning

	9–10	10–11	11–12	2–3	3–4	4–5
MON.	Handloom Weaving	Mill Management and Design		Practical Cloth Structure and Colouring		
TU.	Handloom Weaving			Experimental Scouring, Carding, Drawing, Spinning, and Testing		
WED.	Experimental Scouring, Carding, Combing, etc.			—	—	—
THU.	Woollen Spinning (Worksheets and Experiments)			Complex Textiles	Special Lectures	—
FRI.	Worsted Spinning (Worksheets and Experiments)			Experimental Woollen or Worsted Spinning		
SAT.	Textile Chemistry			—	—	—

B.—For Students specialising in Cloth Manufacture

	9–10	10–11	11–12	2–3	3–4	4–5
MON.	Handloom Weaving	Mill Management and Design		Practical Cloth Structure and Colouring		
TU.	Handloom Weaving			Practical Cloth Structure and Colouring		
WED.	Cloth Finishing.			—	—	—
THU.	Woollen Spinning (Worksheets and Experiments)			Complex Textiles	Special Lectures	Handloom Weaving
FRI.	Worsted Spinning (Worksheets and Experiments)			Experimental Loom Study		
SAT.	Practical Cloth Structure and Colouring			—	—	—

DEPARTMENT OF COLOUR CHEMISTRY AND DYEING

The instruction given in this Department is primarily directed towards the provision of a sound and broad education in preparation for a career in any of the branches of industry in which the chemistry of the colouring-matters and of textile fibres and processes to which they are submitted plays an important part. The courses of study arranged qualify students for taking positions as dyers' chemists, masters of dyeworks, practical dyers, printworks chemists, bleachers' chemists, experts in dyestuff analysis, travelling chemists to dye manufacturers, chemists in colour works, lake-pigment manufacturers, chemists in textile works, chemists in artificial silk works, &c. Advanced chemical students can also make arrangements to carry out special work in the department in any of the collatoral branches of chemical industry based upon applied organic chemistry, such as tar and petroleum distillation and products, synthetic drugs, synthetic perfumes, cellulose products, ink manufacture, &c.

The particulars which follow give the courses of study prescribed for students who have not already passed through a chemical training. Students holding a science degree of any University (English or foreign), the Associateship or Fellowship of the Institute of Chemistry, or otherwise bringing forward evidence of sufficient previous education in pure chemistry and general science will be admitted to the later stages of any of the courses and will be permitted to undertake at once more specialised work in the department.

The lectures upon " Colouring Matters " are open to senior chemical students without entrance upon any special course or other work in the department.

Attention is drawn to the provisions of the Ordinances of the University by which periods of study and examinations passed at other Universities may be accepted by the Senate as exempting undergraduates from a certain amount of attendance and from certain examinations in this University.

Graduates or persons who have passed the Final examinations for degrees of other approved Universities may, under certain conditions, enter the University and after not less than two years of attendance on advanced study or research, become candidates for the degree of Ph.D. or M.Sc. without taking the B.Sc. degree.

SYLLABUS OF COURSES

I. Four Years' Course qualifying for the Honours B.Sc. Degree in Colour Chemistry

Suitable for those desiring to become chemists in colour works, dyers' chemists, print works chemists, travelling chemists for dye manufacturers, experts in analysis of dyewares, &c.

If taken after Matriculation this course qualifies for an Ordinary or Honours B.Sc. degree. Unmatriculated students are eligible for the Diploma in Colour Chemistry under the conditions mentioned in Section II below.

First Year	*Per week.*
Lectures on Chemistry (Introductory Course) ..	4 hrs.
Chemical Laboratory	21 ,,
Lectures on Physics (Introductory Course) ..	3 ,,
Physics Laboratory	3 ,,
Mathematics for Applied Science Students (J) ..	3 ,,
German	

The work in the chemical laboratory will consist of inorganic preparations and qualitative analysis.

Second Year

	Per week.
Lectures on Inorganic and Organic Chemistry (F1 and F3)	6 hrs.
Chemical Laboratory	18 ,,
Lectures on Dyeing (Introductory Course) and Experimental Dyeing Laboratory	10 ,,
German	

The work in the chemical laboratory will consist of quantitative analysis, organic analysis, and organic preparations.

Third Year

	Per week.
Experimental Dyeing Laboratory, Calico Printing, and Practical Dyehouse and Colour Chemistry Laboratory	*25 hrs.
Lectures on Chemistry (F2)	3 ,,
*Physical Chemical Laboratory (2nd Term)	12 ,,
Lectures on Chemical Technology of Textile Fibres (1st Term) and Lectures on the Chemistry and Technology of Dyeing (2nd Term)	3 ,,
Lectures on General Engineering (I)	2 ,,
Practical Cloth Finishing (2nd Term)	3 ,,
Lectures on the Chemistry of Intermediates and Dyes (Introductory Course, 1st and 2nd terms)	1 ,,
Leather Dyeing	
German	

Fourth Year

	Per week.
Colour Chemistry Laboratory	30 hrs.
Lectures on Artificial Colouring Matters (1st and 2nd Terms), Parts 1 and 2	4 ,,
Lectures on Natural Colouring Matters (1st and 2nd Terms)	1 ,,
German	

It is desirable that all students in their fourth years should take the Lectures on Organic Chemistry (H3) during the 1st and 2nd terms, and on Technological Colloid Chemistry during the 1st term.

*During the 2nd Term the hours spent in Physical Chemical Laboratory are deducted from the hours allotted to Dyeing.

II. Four Years' Course for Colour Chemists qualifying for the Diploma in Colour Chemistry

This course is identical with that qualifying for an Honours B.Sc. degree, and has been arranged to meet the requirements of unmatriculated students.

III. Three Years' Course qualifying for the Ordinary Degree of B.Sc. in Dyeing

First Year

	Per week.
Lectures on Chemistry (Introductory Course)	4 hrs.
Chemical Laboratory	21 ,,
Lectures on Physics (Introductory Course)	3 ,,
Physics Laboratory	3 ,,
Mathematics for Applied Science Students (J)	3 ,,
German	

Second Year

	Per week.
Lectures on Chemistry (F1 and F3)	6 hrs.
Chemical Laboratory	18 ,,
Lectures on Dyeing (Introductory Course) and Experimental Dyeing Laboratory	12 ,,
German	

Third Year

	Per week.
Experimental Dyeing Laboratory, Calico Printing and Practical Dyehouse and Colour Chemistry Laboratory	25 hrs.
Lectures on Chemistry (F2)	3 ,,
Lectures on Chemical Technology of Textile Fibres (1st Term) and Lectures on the Chemistry and Technology of Dyeing (2nd Term)	3 ,,
Lectures on General Engineering (I)	2 ,,
Practical Cloth Finishing (2nd Term)	3 ,,
Lectures on the Chemistry of Intermediates and Dyes (Introductory Course, 1st and 2nd Terms)	1 ,,
Leather Dyeing	
German	

IV. Three Years' Course qualifying for the Diploma in Dyeing

This Course is very similar to that for the Ordinary B.Sc. Degree and has been arranged to meet the requirements of unmatriculated students.

First Year

	Per week.
Lectures on Chemistry (Introductory Course)	4 hrs.
Chemical Laboratory	21 ,,
Lectures on Physics (Introductory Course)	3 ,,
Physics Laboratory	3 ,,
German	

The work in the chemical laboratory will consist of inorganic preparations and qualitative analysis.

Second Year

	Per week.
Lectures on Chemistry (F1 and F3)	6 hrs.
Chemical Laboratory	14 ,,
Lectures on Dyeing (Introductory Course)	16 ,,
Experimental Dyeing Laboratory	
German	

Third Year

	Per week.
Experimental Dyeing Laboratory,	26 hrs.
Practical Dyehouse and Calico Printing	
Lectures on Chemical Technology of Textile Fibres (1st Term)	3 ,,
Lectures on the Chemistry and Technology of Dyeing (2nd Term)	
Lectures on General Engineering (I)	2 ,,
Practical Cloth Finishing (2nd Term)	3 ,,
Lectures on the Chemistry of Intermediates and Dyes (Introductory Course, 1st and 2nd Terms)	1 ,,
Leather Dyeing	
German	

V. Part-time Dyers' Apprenticeship Course

This course is designed for those who wish to make arrangements to be simultaneously apprenticed in a Dye-Works. The course will cover five years but work at the University will only extend over two terms in each year, viz : from the beginning of October to the end of March, the remainder of the year being spent in the works.

An alternative arrangement (especially recommended if the student is under 16) is for the first year to be spent entirely in the Dye-Works, the second, third and fourth years half-time at the University as above, and the fifth year entirely at the University.

The articles of apprenticeship must contain a provision that the apprentice is entitled to spend the whole of his time at the University during the periods specified.

The full course qualifies for the Diploma in Dyeing.

First Year

	Per week.
Chemistry Lectures (Introductory Course) ..	4 hrs.
Chemical Laboratory	23 ,,
Physics Lectures	3 ,,
Physics Laboratory	3 ,,

Fee for the Half-year (including Library and Union Fees), £28.

Second Year

	Per week.
Inorganic Chemistry Lectures (F1)	3 hrs.
Chemical Laboratory	27 ,,
Experimental Dyeing Laboratory	3 ,,

Fee for the Half-year (including Library and Union Fees), £28.

Third Year

	Per week.
Organic Chemistry Lectures (F 3)	3 hrs.
Chemical Laboratory	12 ,,
Lectures on General Engineering (I)	2 ,,
Experimental Dyeing Laboratory and Practical Dyehouse	12 ,,
German	

Fee for the Half-year (including Library and Union Fees), £31.

Fourth Year *Per week.*

Lectures on Chemical Technology of Textile Fibres (1st Term)	3 hrs.
Lectures on the Chemistry and Technology of Dyeing (2nd Term)	
Experimental Dyeing Laboratory and Practical Dyehouse	24 ,,
Leather Dyeing	
German	

Fee for the Half-year (including Library and Union Fees), £31.

Fifth Year *Per week*

Lectures on the Chemistry of Intermediates and Dyes (Introductory Course, 1st & 2nd Terms)	3 hrs.
Experimental Dyeing Laboratory, Practical Dye-house, Calico Printing and Textile Manufacture	30 ,,
German	

Fee for the Half-year (including Library and Union Fees), £31.

Regulations for Diplomas in Dyeing and Colour Chemistry

Candidates for either of these Diplomas are required :

I. *During the Course*—

(*a*) To give satisfactory attendance upon the subjects which form any part of the course of study.

(*b*) To present themselves for any Departmental examinations that may be held in the subjects forming part of their course of study. The record of students at their Departmental examinations will be taken into account in deciding the results of the Diploma examination.

(*c*) To make formal entry, on the prescribed form, not later than March 1st of the last session of the course, and to pay at the same time the prescribed examination fee.

II. *At the end of the Course*—

(*a*) To reach a satisfactory standard in any Final examination which may be set.

(*b*) To translate into English a passage of French or German technical literature. A foreign student who can show that he has received a good general education will be exempted from this language test.

III. A Diploma may be granted upon a degree course provided that the subjects studied for the degree include those prescribed for the Diploma, and that the other conditions are complied with.

A student producing evidence of adequate previous scientific or practical training, may, upon application to the Senate, be exempted from a portion of the normal course and may qualify for the Diploma upon a shortened period of study.

SYLLABUS OF LECTURES

I. The Chemical Technology of Textile Fibres, Water and Mordants

Mondays, Wednesdays, and Fridays, at 11.30 a.m. during the first term.

The lectures will deal with the following subjects :—

Isolation, purification, bleaching and finishing the various vegetable and animal fibres: cotton, linen, kapok, ramie, jute, hemp, wool, mohair, silk, etc. Chemical and physical properties of the textile fibres and differences in behaviour with reagents. Chemical constitution and identification. Conditioning of fibres. Manufacture and properties of various forms of artificial silk. Other cellulose products: paper, gun cotton, xylonite, viscoid, cellulose acetate. Mercerisation of cotton. Immunisation of cotton. Carbonisation and chlorination of wool. Wool recovery; identification of shoddy fibre in wool. Methods of increasing and diminishing the dyeing affinity of wool and cotton.

Methods of weighting silk and of estimating the degree of weighting. Water-proofing of woollen materials. Fire-proofing of cotton materials. Faults in fabrics and their investigation. Stripping and stripping-agents. Water-softening and water-analysis. Treatment of factory effluents. Recovery of wool grease from wool-washing liquors. Preparation of mordants and chemistry of their application to the various fibres.

Books recommended

Matthews, *Textile Fibres.*
Hall, *Cotton Cellulose.*
Heermann, *Technologie der Textilveredelung.*
Reinthaler and Rowe, *Artificial Silk.*

II. The Chemistry and Technology of Dyeing

Mondays, Wednesday and Fridays, at 11.30 a.m. during the second term.

This course forms a continuation of I, and covers the following subjects :—

Theory of dyeing. Relationships between chemical constitution of dyestuffs and fibres. Classification of dyestuffs. Methods of application in dyeing and textile printing of the various classes of dyestuffs : basic, acid, mordant, salt, insoluble, developed, sulphide, vat, and also of the special dyes for cellulose acetate. The dyeing of artificial silks. Chemical constitution of the various dyestuff types. Analysis of dyestuffs on the fibre. Testing colours for fastness. Dyeing machinery and arrangement of the dyehouse. Choice of dyestuffs for specific purposes. Dyeing of union materials and of mixed materials of wool, silk, cotton, artificial silk, &c. Machinery and processes of calico-printing.

Books recommended

Knecht, Rawson, & Loewenthal, *Manual of Dyeing* (2 vols.).
Hübner, *Bleaching and Dyeing of Fibrous Materials.*
Whittaker, *Dyeing with Coal Tar Dyestuffs.*
Hall, *Bleaching, Dyeing, Printing and Finishing Machinery.*
Knecht & Fothergill, *Principles and Practice of Textile Printing.*

III. Introductory Course of Dyeing

This Course is intended for second year students and for Textile students and will consist of about 16 lectures on Fridays at 2 p.m. The Experimental Dyehouse will be open to suit the times of the students.

The work undertaken will be similar to that under Paragraph A (Experimental Dyeing Laboratory). See later page.

IV. The Chemistry of Intermediates and Dyes (Introductory Course)

Thursdays, 4 p.m., 1st and 2nd terms.

Raw materials used in the dyestuff industry. Processes of sulphonation, alkali fusion, nitration, reduction, and alkylation. Classification of dyestuffs according to their chemical structure : chromophores, chromogens, auxochromes, leuco-compounds, quinonoid theory, nitro, nitroso, azo, stilbene, ketonimine, triphenylmethane, xanthene, acridine, anthracene, indamine, thiazine, oxazine, azine, indigoid, thiazol, and sulphur dyes.

Books recommended

A. Wahl, *Organic Dyestuffs* (translated by F. W. Atack).

V. Chemistry of the Artificial Colouring Matters (Part I)

Mondays and Fridays, at 4 p.m., during the first and second terms.

The lectures will comprise the following subjects :

Origin and historical development of the coal-tar industry. Distillation of coal-tar and separation of benzene, toluene, xylene, naphthalene, acenaphthene, anthracene, phenol, cresol, pyridine, carbazole, &c. Constitution of benzene. Isomerism and orientation in the benzene series. Laws of substitution in the benzene, and naphthalene series. Valuation of commercial products. Preparation of intermediate products : nitro compounds, sulphonic acids, amines and their derivatives, diamines, phenols, aminophenols, halogen compounds, aldehydes, ketones, quinones, diazo compounds, &c. Relation between chemical constitution and colour ; quinonoid theory of dyestuffs. Quinonoid addition as

the mechanism of dyestuff formation. Classification of dyestuffs according to their chemical structure : nitroso, nitro, insoluble azo, triphenylmethane, xanthene, acridine, anthracene, indamine, azine, oxazine, thiazine, thiazol, quinoline, and indigoid groups. The manufacture, properties and constitution of important typical examples of these groups. General methods and plant employed. Recent progress.

VI. Chemistry of Artificial Colouring Matters (Part II)

Tuesdays and Thursdays at 11.30 a.m., during the first and second terms.

This course is intended more especially for those students who desire to enter a Colour factory, and will present a detailed account of the derivatives of naphthalene, diazo compounds, and the azo, pyrazolone, stilbene and thiazol colouring matters. Application of Werner's theory to lake formation. Special attention will be devoted to the more important types of factory plant, the materials involved in their construction, and to works practice in general.

Books recommended

Groggins, *Aniline and its Derivatives.*
Fierz-David, *Dye Chemistry.*
Möhlau & Bucherer, *Farbenchemisches Praktikum.*
Mason, *A Text Book of Dye Chemistry.*
Fierz-David, *Künstliche Organische Farbstoffe.*
Rowe, *Colour Index.*
Thorpe & Ingold, *Synthetic Colouring Matters, Vat Colours.*
Hewitt, *Synthetic Colouring Matters, Dyestuffs derived from Pyridine, Quinoline, Acridine, and Xanthene.*
Watson, *Colour in Relation to Chemical Constitution.*

VII. Chemistry of Natural Colouring Matters

Tuesdays at 4 p.m. during the first and second terms.

The lectures will deal with the origin, chemistry and technology of the natural dyestuffs : Madder, chay root, munjeet, morinda root, alkanet, ventilago root, logwood, brazilwood, cochineal, kermes, lac dye, sanderswood, barwood, safflower, cudbear, orchil, litmus, weld, dyer's broom, butea frondosa, turmeric, quercitron bark, Persian

berries, Indian yellow, gentian root, young fustic, old fustic, catechu, indigo, woad, Tyrian Purple, annatto, anthocyan pigments, chlorophyll, tannins.

Books recommended

Rupe, *Chemie der Naturlichen Farbstoffe.*
Thorpe's *Dictionary of Applied Chemistry.*
Perkin and Everest, *The Natural Organic Colouring Matters.*

LABORATORY WORK

A. Experimental Dyeing Laboratory

Open for work every weekday during the session from 9 a.m. to 5 p.m., Saturdays 9 a.m. to 12.30 p.m. The laboratory is fitted up with modern dyebaths suitable for comparative dyeing trials, drying stoves, daylight matching lamps, and other appliances.

The work undertaken will include the following subjects :—Systematic dyeing trials with the different groups of dyestuffs upon cotton, wool, and silk. Application of various mordants and assistants. Methods of dyeing union materials. Also the dyeing of artificial silks, linen, ramie, &c. Principles of colour mixing and matching. Scouring and bleaching of cotton and wool. Quantitative dyeing of colouring matters for strength and shade. Identification and analysis of colouring matters on the fibre. Testing colouring matters for fastness. Preparation and analysis of mordants. Analysis of water and removal of impurities. Technical analysis and valuation of dyewares, soap, oils, etc. Detection of different fibres and estimation in mixtures. Examination of newly introduced colouring matters, and determination of their value as dyestuffs. Investigations upon dyeing processes. The use of the colorimeter, tintometer, and spectroscope. Identification of impurities in grey and dyed cloths. Examination of " finishes." Identification of stains and faults in dyed materials, and their removal.

A special exposure chamber in an elevated position provides facilities for making tests of the fastness of colours to light, and a Fadeometer permits the fastness to light to be determined more rapidly also.

B. Practical Dyehouse

The Practical dyehouse is equipped with all the necessary machinery for dyeing wool, cotton and artificial silks in their various stages of manufacture. The machines are all of modern type and include Callebaut & D'Blicquy top and loose wool, Simplex, Hussong, Winch machines, and Jigger.

In this dyehouse all students of dyeing receive training in the treatment of various classes of textile materials.

C. Calico Printing

A practical course in calico printing is held during the third term, the work comprising experiments in the different styles, discharges, resists, printing with diazo compounds, aniline black, indigo, &c.

D. Colour Chemistry Laboratories

The laboratories are spacious buildings provided with every facility for the conduct of chemical work upon colouring matters. The work carried out comprises the following subjects :

Third Year Laboratory

Quantitative analyses of raw products and intermediates. Technical methods of analysis. Preparation of intermediates and dyes by technical methods, etc.

Fourth Year Laboratory

Identification of dyestuffs. Critical study of intermediates, their isolation and properties. Analyses of dyestuffs and their intermediate products. Ultimate analyses of organic compounds. Researches upon artificial and natural colouring matters. Investigation of technical problems, etc.

Practical Cloth Finishing

A short series of lectures is given in the Textile Department to students on the treatment of wool from the raw state to the fininshed cloth, and of the properties of the material in the various stages of its manufacture.

Leather Dyeing.

Two lectures and two laboratory demonstrations are given in the Leather Industries Department on the manufacture and dyeing of leather. Chrome, oil and vegetable tannages, the characteristics of the leathers obtained, and practical dyeings with the various classes of dyestuffs are included.

E. Clothworkers' Research Laboratory

RESEARCH WORK

Special facilities are provided for the conduct of original research in the chemistry of artificial and natural colouring-matters, and upon dyeing processes. The laboratory is a spacious one and well equipped for carrying out scientific and technical investigations in these subjects. Post graduate and other advanced students are admitted to research work under the direction of the Professor and Lecturers, and will find an extra year or two thus spent greatly to their future advantage. Graduates of other Universities (British or foreign), and other qualified chemists, may also obtain admission as research workers for any period desired.

Special Fees for Apparatus, Chemicals and Dyeing Materials

To cover cost of materials and loan of special or large apparatus, fourth year degree students are required to pay £3 3s., third year degree students and third year diploma students £2 2s., second year degree students and second year diploma students £1 1s. per session. Part time students from 10s. 6d. to £1 11s. 6d. per session, according to time worked. All ordinary apparatus, however, must be provided by the student.

Research students are required to pay a deposit fee of £1 11s. 6d. at the beginning of each session, £1 1s. being repayable at the end of each session after deduction of the cost of undue breakages.

Students can only start work after production of receipts for these amounts respectively.

Museum

The museum of natural and artificial dyestuffs and textile fibres is open to students daily.

Work during Vacation

The laboratories of the department will be open to qualified students for research and private study during a part of the long vacation, but students are strongly recommended to employ the time in gaining practical experience in works wherever such a course is possible. The Professor will be glad to give advice before the end of the term as to suitable courses of vacation study, and to consider applications from students desiring the use of the laboratory.

Positions on Leaving

Students who have taken the full courses as recommended above, and have done satisfactory work during the period may rely upon receiving all possible assistance in obtaining suitable positions when their term of study is completed. The Professor takes a personal interest in placing students, and is consulted by firms having vacancies.

Examinations of the City and Guilds of London Technical Institute

The above courses prepare for the technological examinations of the City and Guilds of London Institute in Dyeing and also in Coal Tar Products and Colouring Matters. Students of the Department are recommended to present themselves for these examinations in the last year of their University course.

In connection with these examinations, certificates, money prizes, and silver and bronze medals are awarded to the successful candidates. The examinations are held annually at the University in April, May, or June. Entries for the next examination will be received by the Local Secretary, The University, Leeds, not later than March 1st, of each year.

Institute of Chemistry

Students who have graduated in Colour Chemistry with First or Second Class Honours, and who have attained the age of 21 years are eligible to apply for admission to the Associateship of the Institute of Chemistry without further examination.

Forms of Application and Forms of Regulations for the admission of Students, Associates, and Fellows may

be obtained from the Registrar, Institute of Chemistry, 30, Russell Square, London, W.C.1.

EVENING CLASSES

The evening classes are conducted in co-ordination with the schemes of Technical Education instituted by the Education Committees of the Leeds City Council and of the West Riding of Yorkshire. All candidates for admission to these classes are required to furnish evidence of adequate preparation for the course of study which they propose to take.

For further particulars see Evening Class Prospectus.

Scheme of Co-operation between the University of Leeds and the British Silk Research Association

1. Duly qualified graduates in Science or Technology may, in accordance with the Ordinances and Regulations laid down in the University Calendar, proceed to the degrees of Doctor of Philosophy or Master of Science of the University of Leeds after the prosecution of research work in the laboratories of the British Silk Research Association located within the University of Leeds and under the Director of that Association.

2. Graduates of Universities other than that of Leeds, and Leeds graduates without satisfactory previous training in Textile Industries or in Colour Chemistry and Dyeing wishing to come under this scheme will be required to attend approved courses in the Textile Industries Department of the University for not less than one year, or such courses in Colour Chemistry and Dyeing as may be deemed necessary. This prescribed attendance in the Departments of Textile Industries or Colour Chemistry and Dyeing may be either previous or subsequent to the period spent in research in the laboratories of the Silk Research Association, preferably in the first year.

3. All candidates for post-graduate degrees while carrying on their work in the laboratories of the Silk Research Association within the University will be under the immediate and direct control of the Director of the Silk Research Association, who must be approved by the University for this purpose.

4. All students proceeding to degrees through research work under this Scheme must be duly registered students of the University of Leeds, and, as such, shall be under the discipline of the University. They will be required to pay such tuition fees as may be determined by the University Council, and shall be entitled to all the privileges of the University Union, Library, &c., on payment of the appropriate fees.

DEPARTMENT OF LEATHER INDUSTRIES

COURSES OF INSTRUCTION

The course of study aims in the first instance at familiarising students, both by information in lectures and by practical handling of the material, with the principles and details of the tanning process, and the reasons why particular modes of treatment produce particular effects. This knowledge once gained, the student is in a position to judge of the causes of defects, and the changes which it is necessary to make to prevent or remedy them or to modify the leathers produced in such a way as may meet the requirements of the trade. Methods of chemical and microscopical analysis are taught and practised for determining the purity and value of the various materials employed, and for controlling the different stages of the tanning process. In the latter part of the course, students are allowed to attempt the practical production of leathers in which they are interested, and to study the smaller details of the processes. Particular attention is paid to leather dyeing and the manufacture of coloured leathers, and small quantities of almost all kinds of leather are produced of commercially saleable quality.

The Laboratories are open during the session from 9 a.m. to 1 p.m., and from 2 to 5 p.m. except on Wednesday and Saturday afternoons. No student is admitted to work until he has satisfied the Professor by examination or otherwise that he has a sufficient knowledge of general chemistry to enable him to profit by special work.

Experiments in actual leather manufacture on a small scale are also carried on in such a way as to illustrate as far as possible the subject matter of the lectures, and to show the effect of variations in the processes. These are, when possible, supplemented by visits to works where the manufacture is carried on.

All the more important kinds of leather are made and finished in the experimental tannery and workshops from the raw materials, with the assistance of the students: and opportunities are given to those who are sufficiently advanced to work upon branches of manufacture in which they are specially interested, or to undertake scientific research in connexion with the trade.

There is also an Honours and M.Sc. course for graduates and advanced students, consisting principally of research work under the direction of the Professor and his assistants, with a special course of lectures on the Physics and Chemistry of the subject; and advanced students and others are admitted for independent research at reduced fees.

Most of the ordinary chemicals and small quantities of skin and leather for experimental purposes will be furnished by the Department, but larger quantities required for special experiment or research may be charged to, or provided by, students at the discretion of the Professor. A certain amount of laboratory apparatus must be purchased by the student, who will also be held accountable for breakage of apparatus belonging to the University.

LECTURE COURSES

I. Physics and Chemistry of Leather Manufacture

(*Honours and M.Sc. course*)

Lectures at times to be arranged throughout the session.

The gas laws and the laws of dilute solutions. Development of ionic theory and mass law, and applications of ionic equilibria to processes in leather manufacture. The properties of liquids, surface tension, internal pressure. The nature and properties of disperse systems, colloidal solutions, emulsions and jellies. Applications to leather manufacturing processes. The physical chemistry of chromium salts and basic chrome liquors.

Physical and general chemistry of proteins. Detailed description of the proteins of the hide, their properties and chemical behaviour.

Detailed description of the vegetable tannins, as to their chemistry, their reactions, and their physical properties.

Critical views on the existing theories of tanning.

II. Materials used in Leather Manufacture

Lectures on Tuesdays and Thursdays, at 11 a.m. Mondays, Wednesdays and Fridays at 12 noon during the first term.

The skin, its structure, and its chemical constituents. Character and source of hides and of skins employed in tanning. The chemical and bacteriological properties of technical water. Lime, sulphides and other chemicals used as depilatory agents. Organic acids used for deliming. Enzymes and the nature of bating materials. The principal vegetable tanning materials, their chemical and physical properties (elementary). Synthetic tanning materials. Chemistry of mineral tanning materials (alumina, chromium, iron, etc., salts). Detailed description of the preparation of basic chrome liquors. The classification and description of oils and fats employed in leather manufacture. Materials used in finishing processes.

III. Principles and Methods of Leather Manufacture

Lectures on Mondays, Wednesdays and Fridays, at 11 a.m. throughout the session.

The preservation of raw hides and skins. Soaking, sweating, liming and other methods of depilation. Unhairing, fleshing and rounding. Deliming, bating, puering and drenching.

The grinding and leaching of tanning materials and the manufacture of extracts. The vegetable tanning process in general and the manufacture of sole, belting, harness and dressing leathers in particular. Currying. Manufacture of moroccos and other fancy leathers. General principles of mineral tannages. Chrome one-bath and two-bath process, and the manufacture of box calf, glove kid, chrome sheep, etc.

Chrome sole and chrome leathers for technical purposes.

Alum tannages and the manufacture of glove leather, nappa, mocha, and similar leathers.

Oil tannages. Chamois. Buff leather. Fat leathers. Crown and Helvetia leather.

Tannages by means of formaldehyde, quinone, and synthetic tannins.

Combination tannages and the manufacture of a great variety of commercial leathers made by such combination processes.

Leather dyeing and finishing.

Utilisation of bye-products.

IV. Analytical Chemistry of Leather Manufacture

Lectures at same hours as Course II during the second and third terms.

The analytical investigation of the following: waters; liming and deliming materials; lime liquors; tanning materials; extracts; tanyard liquors; gelatine; glue; soaps, oils, fats and waxes; sulphonated oils; mineral and vegetable tanned leathers; tannery effluents.

These lectures will supplement the analytical textbooks in use in the Leather Industries Laboratories.

V. Technical Microscopy, Bacteriology and Mycology

Lectures and practical work at times to be arranged, during the third term.

The use of the microscope in the examination of skin and leather, and in the detection of adulterants, in connexion with work carried on in the laboratories. The bacteriology and mycology of leather manufacture, including some introduction to general technical bacteriology.

Students are encouraged to provide their own microscopes, but will be allowed to use those of the Department as far as they are available. For bacteriological work a 1/12th inch oil immersion objective and substage condenser is required; but for the technical microscopy a simpler microscope will suffice.

VI. Leather Manufacture

(*Introductory Course*)

Lectures and demonstrations on Mondays, Wednesdays and Fridays, at 10 a.m. throughout the session.

Sole leather: The liming and beam-house work of hides for sole leather; mixed tannage with the common materials and extracts, the finishing processes for bends and offal; chrome sole leather.

Dressing leather: The liming, bating, drenching and other beam-house work, and the chrome and vegetable tannage for belting and harness leathers, dressing hides for upper leathers, E.I. kips and calfskins.

Light Leathers: The liming, deliming, bating and other beam-house work, and the vegetable, mineral and combination tannages of calf, sheep and goat skins. Tannage of various leathers by means of artificial tannins.

VII. Practical Leather Manufacture including Dyeing

Tuesdays, 2—5 p.m. throughout the session.

A course in dyeing will be held, beginning with the dyeing of small samples and proceeding to the colouring and finishing of whole skins.

In addition, practical work on all the principal kinds of commercial leather is carried out in the workshops at other hours. With the permission of the Head of the department, students themselves may carry out individual experiments on special branches of leather manufacture.

Text Books (which must be purchased by the student).

PROCTER, *Leather Industries Laboratory Book* (E. & F. N. Spon Ltd.)
PROCTER, *Principles of Leather Manufacture* (E. & F. N. Spon Ltd.)
PROCTER, STIASNY and BRUMWELL, *Leather Chemist's Pocket Book* (E. & F. N. Spon Ltd.)
PROCTER, *The Making of Leather* (Cambridge University Press)

SCHEMES OF STUDY

The following schemes are arranged so as to give students the fullest advantage of the instruction provided by the University, and must generally be adhered to. Time is allowed, however, for taking up additional subjects, and

special courses may be arranged for students who can satisfy the Vice-Chancellor and the Professor that they already have adequate knowledge of some of the subjects included. Some preliminary acquaintance with actual leather manufacture is very desirable before taking the University courses, and in no case is University training an adequate substitute for practical experience in actual manufacture, though it usefully supplements it, and greatly lessens the time which is necessary to its acquirement.

Students are not admitted to advanced courses unless they have sufficient elementary knowledge to follow them with advantage.

Degrees in Science of which particulars are given below are conferred in connexion with Leather Manufacture. Before beginning courses for Degrees, students must have passed the Matriculation examination of the Joint Board of the Northern Universities, or obtained exemption therefrom. A Diploma in Leather Manufacture, for which matriculation is not required, is also given by the University.

A one year's course for Honours in Chemistry of Leather Manufacture can be arranged for students who have already graduated.

Scheme I. Three Years' Course for Ordinary B.Sc.

First Year

Introductory courses in Physics, Chemistry and Leather Manufacture, together with laboratory work in Physics and Chemistry.

An additional introductory subject, selected in consultation with the Professor, must also be studied during the first year of the course.

Second and Third Years

Preparation for Final examination in Chemistry, and Chemistry of Leather Manufacture.

First Year

	Per week.
General Course of Chemistry (Chem. Intro.) ...	3 hrs
Chemical Laboratory	12 ,,
Physics (Introductory course)	3 ,,
Physics Laboratory	3 ,,
Leather Manufacture (Introductory course) L. VI	3 ,,
Additional subject	3 ,,

Second Year

	Per week.
Chemistry F2 (Inorganic)	3 hrs.
Chemistry F3 (Organic)	3 ,,
Chemical Laboratory (Inorganic and Organic) ...	9 ,,
Materials used in Leather Manufacture (L. II) ...	2 ,,
Analytical Chemistry of Leather Manufacture (L. IV)	2 ,,
Leather Laboratory	12 ,,
Bacteriology IX	3 ,,

Third Year

	Per week.
Chemistry F1 (Inorganic)	3 hrs.
Principles and Methods of Leather Manufacture (L. III)	3 ,,
Microscopy and Bacteriology of Leather Manufacture (L. V)	27 ,,
Practical Leather Manufacture (L. VII) ...	
Leather Laboratory	

Scheme II. Four Years' Course for B.Sc. with Honours

First Year

The First Year course for the Ordinary degree.

Second Year

The second year course for the Ordinary degree.

Third Year

The third year course for the Ordinary degree, except that three hours per week less of laboratory work is required.

Fourth Year

Leather I and Research in the Chemistry of Leather Manufacture. 24 hours per week laboratory work is required.

For the Special Honours Degree, students will ordinarily be required during the 3rd and 4th years of the course to attend classes in Subsidiary Physics, Physical Chemistry (H3) and Chemical Physiology (V) without examination in these subjects for degree purposes.

Scheme III. Course for Diploma in Leather Manufacture

This course, extending over three years, is suitable for those who intend to become technical managers in leather works, and is recommended to sons of tanners and others who require a practical knowledge of the science and technology of the industry, but are unable to take a degree course. Though not actually prescribed in the course, the study of a modern language, especially of German, is extremely important, and time is allowed for taking it as an extra subject.

Candidates for the Diploma are required:—

I. *During the Course:*—

(*a*) To give satisfactory attendance upon the subjects which form part of the course of study.

(*b*) To present themselves for any Departmental examinations that may be held in the subjects forming part of their course of study. The record of students at their Departmental examinations will be taken into account in deciding the results of the Diploma examination.

(*c*) To make formal entry, on the prescribed form, not later than March 1st of the last session of the course, and to pay at the same time the prescribed examination fee.

II. *At the end of the Course*:—

(*a*) To reach a satisfactory standard in any Final examination which may be set.

(*b*) To translate into English a passage of French or German technical literature. A foreign student who can show that he has received a good general education will be exempted from this language test.

III. A Diploma may be granted upon a degree course provided that the subjects studied for the degree include those prescribed for the Diploma and that the other conditions are complied with.

A student producing evidence of adequate previous scientific or practical training, may upon application to the Senate, be exempted from a portion of the normal course and may qualify for the Diploma upon a shortened period of study.

First Year	Per week.
Introductory Course of Chemistry	3 hrs.
Chemical Laboratory	18 ,,
General Engineering (I)	5 ,,
Leather Manufacture, Introductory Course (L. VI)	3 ,,

Second Year	Per week.
Chemistry F_3 (Organic)	3 hrs.
Materials used in Leather Manufacture (L. II) ...	2 ,,
Analytical Chemistry of Leather Manufacture (L. IV)	2 ,,
Chemical Laboratory (Organic)	6 ,,
Leather Industries Laboratories and Workshops	18 ,,

Third Year	Per week.
Principles and Methods of Leather Manufacture (L. III)	3 hrs.
Technical Microscopy and Bacteriology (L. V) ...	
Leather Industries Laboratories and Workshops (including Leather VII)	20 ,,

SHORTER COURSES

Shorter courses of study may be arranged for students possessing considerable knowledge of chemistry who cannot afford the necessary time for a degree or diploma course.

Degrees of Master of Science (M.Sc.), Doctor of Philosophy (Ph.D.) and Doctor of Science (D.Sc.)

These will be awarded to students who, having obtained the B.Sc. degree in Leather Manufacture, satisfy the conditions stated in the Calendar in respect of these higher degrees.

Private Research

Persons prosecuting private industrial investigations under the supervision of the head of the department can be admitted as research students at the rate of £6 per month.

SCHOLARSHIPS TENABLE IN THE LEATHER INDUSTRIES DEPARTMENT

For Scholarships tenable in the Leather Industries Department, see the Scholarships Prospectus.

DEPARTMENT OF AGRICULTURE

INTRODUCTION

The Courses given in the Department are designed to meet the needs of those who intend to become farmers, farm managers, or bailiffs, valuers, teachers, or research workers in Agriculture or the Agricultural Sciences.

The Department is one of the places of professional education accepted by the Surveyors' Institution, the effect of this recognition being that students who have taken an approved Course in Agriculture are admitted to the examinations of the Institution in Sub-Division I "chiefly Land Agency" without the usual period of training in a Land Agent's or Surveyor's office. Students preparing for the examination of the Surveyors' Institution are advised to attend the Diploma Course.

The Diploma Course is also a suitable preparation for those who wish to take the examination for the National Diploma in Agriculture.

Whilst practical demonstrations on the farm are an essential part of the teaching, no facilities are provided by the University for acquiring that practical acquaintance with farm operations and the business of farming which is essential for all who intend to follow an agricultural career (with the exception perhaps of those who intend to become specialists in the agricultural sciences). It is essential, if full benefit is to be derived from the University Course, that a student obtain at least part of this training before entering the University, and it is a condition of entry to the Courses for the degree of B.Sc., for the degree of B.Sc. with Honours in Agriculture, and for the University Diploma in Agriculture, that candidates shall have had a practical training for at least 12 consecutive months on an approved farm.

The Professor of Agriculture will be glad to make appointments with prospective students and their parents in order to discuss with them the proposed course of study, and where necessary, to advise as to

a suitable farm on which practical training may be obtained.

The Department in all its activities works in close conjunction with the Yorkshire Council for Agricultural Education, a Joint Committee of the County Councils of the three Ridings of Yorkshire, on which the Ministry of Agriculture and the University are represented, and to which the County Councils have delegated their powers and duties in respect of the provision of technical education in agriculture and allied subjects. A Committee of the Agricultural Council known as the University Committee acts as the Advisory Committee on agricultural matters to the University. On behalf of the Agricultural Council the staff of the Department carry out a considerable amount of extension work in the County, details of which will be found in the Handbook of the Yorkshire Council for Agricultural Education.

Owing to the termination of the Lease of the Manor Farm, Garforth, in April, 1928, the short residential courses in Dairying and Poultry keeping have been discontinued. The Agricultural Council have recently purchased a property at Askham Bryan near York on which it is their intention to establish a residential Farm Institute, where, as soon as suitable educational buildings can be erected, short courses of a practical nature in Agriculture, and courses in Dairying, and Poultry-keeping will be provided. The farm at Askham Bryan will also be available for experimental work and for demonstrations to students attending courses at the University.

The Department is recognised by the Ministry of Agriculture, under its scheme for the provision of technical advice to farmers, as the advisory centre for the Yorkshire province.

ADMISSION OF STUDENTS

The classes and laboratories are open to men and women on the same terms.

Except in cases approved by the Vice-Chancellor, students must have reached the age of 17 before coming to the University.

All candidates for admission to the University are required to give a reference of whom inquiry may be made. Those who are under 19 years of age and have been at a school or other educational institution within one year of their application for admission are required to produce a certificate of good conduct and fitness for entrance to the University from the Head Master or Head Mistress of the School, or from the Head of the Institution which they have last attended.

Applications for admission to the University from persons residing out of the United Kingdom, must in all cases be accompanied by certificates of good conduct duly authenticated. Overseas students are, in addition, required to produce certificates of identity.

Students are required, prior to admission, to sign a declaration that they will observe the statutes, ordinances, and regulations of the University for the time being in force.

TERMS

Degree Courses.

First Term .. 1st October–20th December, 1929.
Second Term.. 9th January–22nd March, 1930.
Third Term .. 24th April–30th June, 1930.

The Vice-Chancellor will admit students on Monday, 1st October, from 9.30 a.m. to 12.30 p.m., and from 2 p.m. to 5 p.m., and on Tuesday, 2nd October, from 9.30 a.m. to 12.30 p.m.

Diploma Course.

First Term .. 7th October–20th December, 1929.
Second and Third Terms as for Degree Courses.

Students are requested to register their names on Monday, 7th October. Lectures for the Diploma Course will begin at 9 a.m. on Tuesday, 8th October.

FEES

All fees should be paid to the Accountant. *Cheques should be made payable to "The University of Leeds,"* and crossed "—— & Co."

The University reserves the right to revise the fees at any time, whether in the case of new students or of those who have already begun their courses.

ACCOMMODATION IN LEEDS

The University Halls of Residence

The University has provided a number of Halls of Residence for men and women respectively. Students from all departments of the University are admitted, and the residents of each Hall are encouraged to take an active part in the social as well as the academic life of the University, and to maintain within the Halls the necessary discipline for themselves.

Fees for Residence.

(*a*) Ordinary Students.

Men : £64 per session of 32 weeks.
Residence beyond the above period, £2 per week.
Women : £54 to £63 (according to the accommodation chosen) per session of 32 weeks.
Residence beyond the above period, £1 14s. per week.

Lodging and Boarding Houses

A register of approved lodging-houses is kept at the University, and printed lists can be sent at any time to parents, guardians, or students who desire to take lodgings.

COURSES OF STUDY

I. *Degree Courses.*
   A Course for the Ordinary degree of Bachelor of Science.
   B Courses for the degree of Bachelor of Science with Honours.
II. Course for the University Diploma in Agriculture.*

*This course covers most of the requirements for the examination for the National Diploma in Agriculture.

I. Degree Courses

Fees.

First Year	.. ..	£41
Second Year	.. ..	£45
Third Year	.. ..	£45
Fourth Year	.. ..	£45

Students who enter upon a four years' course may elect to pay in their first year £45, being the composition fee for the Faculty of Technology instead of £41, which is the composition fee for the Faculty of Science. They will then be entitled in their fourth year to a reduction of the fee from £45 to £37.

All students who intend to present themselves as candidates for a degree in the University of Leeds are required, before entering upon their degree course, to produce a certificate of having passed the Matriculation examination conducted by the Joint Matriculation Board of the Universities of Manchester, Liverpool, Leeds, Sheffield and Birmingham, or a certificate of exemption therefrom. The conditions which entitle a student to exemption from the Matriculation examination are fully set forth in the Matriculation syllabus, which may be obtained from the Secretary, Joint Matriculation Board, 315, Oxford Road, Manchester.

Students who intend to present themselves for the degree of B.Sc., or the degree of B.Sc. with Honours will not enter the Department of Agriculture until their second year of study.

Before beginning their respective courses students are required to consult the Professor of Agriculture with regard to their subjects, and also to discuss with him their previous experience of farm work.

Syllabuses of the courses of lectures in Agriculture, the Agricultural Sciences, and Veterinary Hygiene, will be found in subsequent pages. Syllabuses of the courses of lectures in Pure Science and in other subjects mentioned in the following synopsis will be found in the University Calendar and in the Prospectuses of the appropriate Departments.

A. Course for the Ordinary Degree of B.Sc.

Candidates will be required to have spent at least one complete year of 12 consecutive months on an approved farm before entering upon their course of study. Exemption will only be granted in exceptional cases. Candidates must attend the following courses and pass the appropriate examinations :—

First Year.

Introductory Botany.
Introductory Chemistry.
together with *two* of the following :—
Introductory Economics.
Introductory Geology.
Mathematics for Applied Science students.
Introductory Physics.
Introductory Zoology.

Students will be required to obtain a knowledge of book-keeping during this year.

Second Year.

Agriculture, F1. F3 and F4.
Agricultural Botany and Bacteriology F3.
Agricultural Chemistry F2 or F3.
Introductory Economics (if not taken in 1st year).
Agricultural Economics F1.

Third Year.

Agriculture F2, F5 and F6.
Agricultural Chemistry F3 or F2.
Agricultural Economics F2.
Agricultural Zoology F1.
Veterinary Hygiene F1.

An optional course in Agricultural Engineering may be taken during the third year. Candidates will not be permitted to take this course unless they have already acquired an adequate knowledge of Mathematics.

B. Courses for the Degree of B.Sc. with Honours

The degree of B.Sc. with Honours may be taken in the Department of Agriculture in (*a*) Agriculture, (*b*) Agricultural Botany and Bacteriology, (*c*) Agricultural Chemistry, (*d*) Agricultural Economics, (*e*) Agricultural Zoology.

Candidates may be required to devote time during University vacations to their Honours work.

(*a*) Agriculture

Candidates for the degree of B.Sc. with Honours in Agriculture will be required to have spent at least one complete year on an approved farm before entering upon their course of study. Exemption will only be granted in exceptional cases. They must attend the following courses and pass the appropriate examinations :—

First, Second and Third Years : as for the Ordinary Degree.

Fourth Year.

Agriculture H1.

Candidates will be required to carry out research work on some approved subject, and to present a report embodying the results of such work at the end of their fourth or fifth year.

(*b*) Agricultural Botany and Bacteriology

Candidates for the degree of B.Sc. with Honours in Agricultural Botany and Bacteriology must attend the following courses and pass the appropriate examinations :—

First Year.

Introductory Botany.
Introductory Chemistry.
Introductory Physics *or* Introductory Geology.
Introductory Zoology *or* Agricultural Zoology F1.

Second Year.

Agriculture F1 and F2.
Agricultural Botany and Bacteriology H1 and H2, *or* H3.
Agricultural Chemistry F1(a).
Botany Fa *or* Fb.

Third Year.

Agriculture F5.
Agricultural Botany and Bacteriology H3, *or* H1 and H2.
Botany Fb or Fa.

Fourth Year.

Candidates will be required to carry out research work on some approved subject, and to present a report embodying the results of such work at the end of their fourth or fifth year.

(*c*) Agricultural Chemistry

Candidates for the degree of B.Sc. with Honours in Agricultural Chemistry must attend the following courses and pass the appropriate examinations :—

First Year.

Introductory Botany.
Introductory Chemistry.
Introductory Physics.
Mathematics for Applied Science students.

Second Year.

Agriculture F1 and F2.
Agricultural Botany and Bacteriology F3.
Agricultural Chemistry F2.
Chemistry F1, F2, and F3 (to be completed in third year).

Third Year.

Agriculture F5.
Agricultural Chemistry F3.
Chemistry (see second year).

Fourth Year.

Agricultural Chemistry H1.
Mathematics (Statistics) S. and M.L.

(*a*) Agricultural Economics

Candidates for the degree of B.Sc. with Honours in Agricultural Economics must attend the following courses and pass the appropriate examinations :—

First Year.

Introductory Botany.
Introductory Chemistry.
Introductory Economics.
Mathematics for Applied Science Students.

Students will be required to obtain a knowledge of Book-keeping during this year.

Second Year.

Accountancy.
Agriculture F1 and F2.
Agricultural Botany and Bacteriology F2.
Agricultural Chemistry F1 (modified).
Agricultural Economics F1 (modified).
Agricultural Economics H1.
Commercial Law.
Economics F1 (adapted), F5, and F6 (S.8).

Third Year.

Agriculture F5.
Agricultural Economics H2 and H3.
Commercial Law.
Economic Geography.
Economics F2 and F4.
Mathematics (Statistics) S. and M.L.

Fourth Year.

Candidates will be required to make a special study of one or more branches of Agricultural Economics, and to submit a report thereon at the end of their fourth or fifth year.

(*e*) Agricultural Zoology

Candidates for the degree of B.Sc. with Honours in Agricultural Zoology must attend the following courses and pass the appropriate examinations :—

First Year.

Introductory Botany.
Introductory Chemistry.
Introductory Physics.
Introductory Zoology.

Second Year.

Agriculture F1 and F2.
Agricultural Botany and Bacteriology F3.
Agricultural Zoology F2.
Zoology Fa or Fb.

Third Year.

Agricultural Botany and Bacteriology H3 (a) and (b).
Agricultural Chemistry F1(a) (continued in fourth year).
Agricultural Zoology H1.
Physiology I. (continued in fourth year).
Veterinary Hygiene F1.
Zoology F(b) *or* F(a).

Fourth Year.

Agriculture F5.
Agricultural Chemistry F1(a) (continued).
Agricultural Zoology H1 (continued).
Physiology I. (continued).

Candidates will be required to carry out research work on some approved subject and to present a report embodying the results of such work at the end of their fourth or fifth year.

II. Course for the University Diploma in Agriculture

Fees

First Year (Three Terms)	£30
Second Year (Two Winter Terms)	£20
Third Year (Two Winter Terms)	£20

This Course covers most of the requirements for the Examination* for the National Diploma in Agriculture, awarded jointly by the Royal Agricultural Society of England and the Highland and Agricultural Society of Scotland. Attendance during the Summer (Third) Term is required only in the first year of study, and farmers' sons are thus able to obtain a full course of instruction between harvest and seed time, and, except in the first year, to devote the spring, summer and harvest time to practical work at home.

Students preparing for the examination of the Surveyors' Institution are advised to attend the Diploma Course.

Regulations

Applicants for the Diploma Course are required to satisfy the Head of the Department :—

(1) that they have worked for at least twelve consecutive months on an approved farm and have an adequate knowledge of practical farming ;

(2) that their general educational attainments are adequate.

Candidates for the Diploma are required :—

(*a*) to give satisfactory attendance in the subjects which form part of the course of study ;

(*b*) to present themselves for the Departmental examinations in the subjects forming a part of their course of study. (The results of the Departmental examinations will be taken into account along with those of the Diploma examination).

* The Regulations and Syllabus for this Examination may be obtained from The Secretary, N.D.A. Examination Board, 16, Bedford Square, London, W.C.

(*c*) to make formal entry, on the prescribed form, not later that 15th January of the last session of the Course and to pay at the same time the prescribed examination fee ;

(*d*) to satisfy the Examiners in the subjects subsidiary to Agriculture, by the Departmental examinations held during and at the end of the Course ;

(*e*) to pass the Diploma examination in Agriculture held at the end of the Course.

A student producing evidence of adequate previous scientific or practical training may, upon application to the Senate, be exempted from a portion of the normal course, and may qualify for the Diploma upon a shortened period of study.

Course of Sutdy

First Year (*three terms*).	Hours per week.
Agriculture	Occasional Farm Classes.
Agricultural Botany . ..	4 (6 in Summer Term).
Agricultural Chemistry . ..	7 (6 in Summer Term).
Agricultural Economics (including Book-keeping)	3.
Agricultural Engineering and Surveying.	2 (2nd and 3rd Terms only). 9 hours field work (3rd Term only).
Agricultural Zoology . ..	4 (3rd Term only).
Geology	5 (1st and 2nd Terms only).
Physics and Mechanics	6 (1st and 2nd Terms only).
Second Year (*two Winter terms*).	
Agriculture. F1.	6 (including 3 hours Farm Class).
Agricultural Botany . ..	5
Agricultural Chemistry	5
Agricultural Economics (including Book-keeping)	3
Agricultural Engineering	1
Agricultural Zoology	4
Veterinary Hygiene. F1... ..	4

Third Year (two Winter terms).	Hours per week.
Agriculture (including Dairy Husbandry). F2 and F5.	10 (including 3 hours Farm Class).
Agricultural Chemistry	7
Agricultural Economics	3
Agricultural Engineering	2 (and Occasional Farm Classes).
Horticulture	1 (1st Term only.
Poultry Husbandry	2 (1st Term only).

Farm Classes

All students taking a full course in Agriculture will be required to attend farm classes as arranged and to pay their travelling expenses in connection with them.

Chemical, Botanical, and Zoological Laboratories

Degree and Diploma Courses

Students must pay at the beginning of each session a deposit of 20/- to cover the cost of replacing broken apparatus, damage to microscopes, etc. This deposit will be paid with the Tuition Fee and will be repaid at the end of the session after deducting cost of breakages, etc.

Research and Laboratory Work

The laboratories of the Department (Chemical, Botanical and Zoological) are open to those students prosecuting Research, or who require special practical training. The fees are as stated in the University Calendar.

TIME TABLES

Time tables will be posted on the Departmental Notice Boards. Students are expected to acquaint themselves with these and any alterations in them which may be posted up from time to time.

SYLLABUSES

For Syllabuses of Courses in other Departments taken by degree students in Agriculture, see prospectuses of the appropriate Departments.

Agriculture

First and Second Year Diploma Course

SOILS, MANURES, ETC.

First and Second Terms—3 Lectures a week and Demonstration Classes as arranged.

Agriculture and its relation to the sciences.

Soils.—Their nature, functions, origin, and wasting. Texture and general characteristics. Soil temperature. Soil water and its conservation. Relations between the soil and the plant. Composition of soils; potential and available plant food.

Characteristics, classification, and distribution of soils. Chief types of Yorkshire soils.

Farm drainage. Irrigation. Sewage farms. Warping, claying, marling, chalking, liming, paring and burning, clay-burning.

Tillage operations. Ploughing; specific results of ploughing; times and methods of ploughing. Autumn and Spring cultivation. Surface tillage. Preparation of seed-bed for different crops on various classes of soil.

Steam cultivation. Use of Tractors.

Manures.—Characteristics of the various nitrogenous, phosphatic, and potassic manures in common use. Conditions affecting their successful application. Their specific effects on the various farm crops. Farm-yard manure; its production, variation, preservation, and application. Liquid manure. Composts. Green manuring.

Rotations.—The rotation of crops. Arrangements of cropping according to the system of farming adopted.

Seeds, Grasses and Pastures.—Common grasses and clovers, their suitability for different soils and local conditions. Laying down land to permanent pasture. "Seeds" mixtures. Treatment of new grass land. Management of old-established grass. Deterioration of grass land; its causes and remedies. Hay-making. Silage and the system of ensilage.

DEMONSTRATION CLASSES.

Stock, stock-feeding. Estimation of weights of crops and animals. Pastures and pasture plants. Practical examination of seeds, manures, and feeding stuffs.

Seasonable operations will be closely followed; different systems will, so far as practicable, be illustrated, and the reasons for the variations explained.

F2 and First Year Diploma Course

DAIRY HUSBANDRY.

First and Second Terms. 2 Lectures a week and demonstration classes as arranged.

Systems of Dairying.—Milk-selling, butter-making, and cheese-making farms; comparison of different types and returns from the different systems. Selection of a dairy farm.

Dairy Cattle.—Points of a good dairy cow. Breeds; Dairy and Dual-purpose types. Suitability of breed for system of dairying practised.

General management.—(*a*) Breeding: Establishment of dairy herd. Milk recording and value of milk records. Stock bull. Rearing of calves and young stock.

(*b*) Feeding: Constituents of feeding stuffs. Home-grown and purchased foods. Feeding standards: Balancing of rations. Feeding practice.

(*c*) Housing.

Milk.—Composition. Factors influencing yield and quality. Production of clean milk: Grades of milk. Processing of milk: Milk distribution and town supplies. Taints and other faults in milk and their prevention.

Cream and Butter.—Methods of separation; the mechanical separator. Marketing of cream. Ripening of cream for butter making; use and propagation of "starters." Manufacture of butter. Preservation of butter. Butter faults and their prevention.

Cheese.—Process of cheese-making. Manufacture of rennet and annatto. The acidimeter and acidity tests. Types of cheese; hard-pressed, soft, and blue-veined cheese. Ripening of cheese. Faults in market cheese.

General.—Creamery system. Manufacture of dairy produce on large scale. Legislation affecting dairying and dairy produce. Stocking of dairy farms.

F3

MACHINERY AND BUILDING CONSTRUCTION.

First Term.—1 Lecture a week and occasional demonstration classes.

Second Term.—2 Lectures a week.

For syllabus see *Agricultural Engineering* Parts II and IV.

F4

LAND SURVEYING AND LEVELLING

Second and Third Terms—2 Lectures a week; Third Term.—Field classes as arranged.

For Syllabus see *Agricultural Engineering* Part I.

F5 and Third Year Diploma Course

CROPS, LIVE STOCK, ETC.

First and Second Terms—5 Lectures a week and farm classes as arranged.

Crops and Cropping.—Characteristics, habits, cultural requirements and management of the various arable and crops. Variation in yield, composition and quality according to local conditions and treatment. Factors to be considered in the selection of varieties. Costs of production of the different crops. Agricultural statistics.

Farm Management.—Management of farm labour. The different systems of farming and farm management.

Taking and Stocking a Farm.—Considerations involved in the valuation and taking of farms. Times of entry. Yearly and other tenancies. Leases and agreements. Acts of Parliament affecting landlord and tenant. The tenant's capital and its distribution. Live and dead stock required. Valuation of tenant right and of live and dead stock.

Foods and Feeding Stuffs.—Composition and general character. Process of digestion. Function of products of digestion. Comparative value of foods. Selection, preparation and use of foods for different kinds of live stock. Feeding standards. Food rations.

Live Stock.—Origin, history and description of the different breeds of horses, cattle, sheep, and pigs in the British Isles. Relation between districts and breeds. Comparative powers of adaptation. Essential points in size, conformation, and character. Standards of perfection. Principles involved in improvement and early maturity. Fixation and preservation of desirable qualities. Advantages and danger of pedigree breeding. Cross breeding. Live Stock Improvement Scheme.

Accommodation for farm stock.

Horses.—Working horses. Breeding mares. Gestation, foaling, weaning, and rearing. Breaking and preparation for sale. Cost of rearing work horses.

Cattle.—Management of cows. Calving. Rearing of calves and young cattle. Treatment of fattening cattle. Cost of producing winter and summer beef and milk.

Sheep.—Special features of sheep farming. Systems of flock management. Permanent and temporary flocks. The year's work on a sheep farm; lambing, weaning, rearing, fattening. Desirable qualities of wool. Costs of producing fat lamb and mutton.

Pigs.—Selection of breeds. Out-door and in-door management. Breeding sows. Farrowing, weaning; rearing, fattening. Costs of pork and bacon production.

Buying and selling of stock.

DEMONSTRATION CLASSES.

The classes will be on the same lines as for the F1 course.

F6

Third Term only.—A special course of lectures dealing with recent research work in Agriculture.

H1

A course of Advanced Lectures specially designed for Honours students.

Agricultural Botany and Bacteriology

F1 and First Year Diploma Course

First and Second Terms—4 hours a week. Third Term.—6 hours a week.

Section 1.—The functions of plants in relation to their structure. Germination, growth, assimilation and elaboration of food materials, respiration, transpiration, storage of food, fertilisation and reproduction. The structure of stems, roots, flowers, and seeds. Forms and modifications of various parts of the plant, and the adaptation of plants to their surroundings.

Section 2.—The principles of classification and systematic Botany.

Section 3.—The structure of a grass. The recognition of grasses by their vegetative, floral, and seed characters.

(Sections 2 and 3 are closely correlated with the field excursions ; see below).

Section 4.—A study of the life cycle and habit of growth of the following types of Fungi :—Pythium, Mucor, Erysiphe, Sphaerotheca, Eurotium, Penicillium, Yeast, Agaricus. Parasites and Saprophytes.

The types mentioned form the basis for the study of plant diseases in the F2 course.

Excursions.—Botanical excursions are made on one afternoon each alternate week during the Summer term.

F2 and Second Year Diploma Course

First and Second Terms.—5 hours a week.

The morphological and physiological characters of flowering plants with special reference to plants of agricultural importance. The constitution of the flora of meadows and pastures. "Seeds" mixtures for temporary leys and permanent grass land. The recognition of impurities in seed samples. Weeds in farm crops and methods for their eradication.

The more important Fungoid diseases of agricultural importance, preventive and remedial measures. The elements of plant breeding. The outlines of Soil and Dairy Bacteriology.

F3 Course

Two Lectures and 3 hours laboratory work a week.

The detailed structure of a Wheat plant as a type of the Gramineae. Differences in structure between Wheat, Barley, Oats, and Rye. Varieties of cereals and their outstanding characteristics.

The structure of a grass and the recognition of grasses by their vegetative and floral characters. The constitution of the flora of grassland, and the changes produced by manurial treatment. The Botanical characters of the various Farm crops. Varieties of Potatoes, Turnips, Mangels, &c., Clovers and "Seeds" mixtures. Weeds of arable and grass land and their eradication. The recognition of impurities in seed samples. Plant breeding.

A study of the more important Fungoid diseases of agricultural importance. The outlines of Soil and Dairy Bacteriology.

Courses H1 and H2 and Course H3 are taken in alternate years.

H1 Course

3 hours a week.

Morphology.—This course is similar to the F3 course excepting that Plant Diseases and Bacteriology are omitted and the remaining sections are taken in fuller detail.

H2 Course

3 hours a week.

Mycology.—A detailed study of the life history and physiological characteristics of fungoid pests attacking farm and garden crops. Methods for the prevention and eradication of fungoid pests. Phyto-pathological service. The incidence and spread of parasitic fungi. Epidemic diseases. The relation of temperature, rainfall, and soil conditions to plant diseases. Degrees of Parasitism. Modes of parasitism. Enzymes. Immunity and Resistance to disease. Cultural methods. Single spore cultures. Experimental methods of dealing with plant-disease problems.

H3 Course

First and Second Terms.—6 hours a week.

(*a*) *General Bacteriology.*—The elements of Bacterio logical technique including the preparation of media, staining and counterstaining, and isolation of pure cultures. Methods of identification. Acid-fast organisms, Gram staining, Gelatine liquefiers, motile and non-motile organisms, Sporing and non-sporing organisms, Aerobic and Anaerobic bacteria. Measurement of bacteria. The activities of micro-organisms. Auto-intoxication. Antisepsis. Asepsis.

(*b*) *Soil Bacteriology.*—Estimation of number of Bacteria in the soil.

Variable soil counts.

Physiological groups and the isolation of one or more types from each of the following :—Putrefactive, Urea-splitting, Nitrifying, De-nitrifying, Nitrogen-fixers, Cellulose-destroying, Iron and Sulphur Bacteria. The Carbon and Nitrogen cycles.

Soil reaction in relation to its flora.

Manure organisms. Partial sterilisation.

(*c*) *Dairy Bacteriology.*—The Bacterial content of milk. Sources of contamination. Milk counts. The activities of bacteria in milk. How to produce " clean " milk. Keeping qualities of milk. Pasteurization. Milk faults. Biological milk tests. Butter organisms and their effect on quality and flavour. Rancidity. Use of starters. The germ content of cheese. Origin of cheese organisms and their action on ripening. Normal and abnormal ripening. Effect of temperature.

In connection with this course visits will be made to one or more farms where " Certified " or " Grade A " milk is being produced

Laboratory work, supplementary to that included in the H1, H2, and H3 courses should be carried out by students and may be arranged for.

Agricultural Chemistry

F1 and Third Year Diploma Course

First and Second Terms.—4 Lectures and 3 hours laboratory work a week.*

SECTION (*a*)

Syllabus similar to F2 course but lectures adapted to the requirements of Diploma students.

SECTION (*b*)

Syllabus similar to F3 course, but lectures adapted to the requirements of Diploma Students.

* Students taking Honours in Agricultural Economics will not take the laboratory work.

F2 Course

Two Lectures and 6 hours laboratory work a week.

The Plant.—The ultimate and proximate constituents of plants. Photosynthesis. Translocation. Storage. Transpiration. Respiration.

The Soil.—The Literature of Soil Science. Formation of soils. Subsoils. The structural basis of mineral soils. Organic matter of soils. Soil colloids. Soil water. Soil air. Soil temperature. The absorptive power of soils; the reaction and "sourness" of soils. Soil potassium. Soil phosphorus. The other mineral elements of the soil. Availability of mineral plant food. Soil nitrogen. Bio-chemistry of soils. Interpretation of soil analyses. Classification of soils. Soil surveys. Soil chemistry and crop production.

Manures.—Farmyard manure. Production, composition, commercial value, characteristic and secondary effects of fertilizers, lime, etc. Various by-products and waste materials. The Fertilizers and Feeding Stuffs Act. The planning of manurial trials and the interpretation of their results.

Crops.—Composition of farm crops. Crop residues. The manuring of crops. Rotation of crops.

F3 Course

Two Lectures and 6 hours laboratory work a week.

The Animal.—The Literature of Animal Nutrition and Dairy Science. Composition of the animal body. Digestion. Circulation. Respiration. Excretion.

The Nutrition of Animals.—Digestibility experiments. Metabolism. Comparative slaughter tests. Calorimetry. Gross, metabolizable, and net energy. Carbon, nitrogen and energy balances. Critical temperature. Specific dynamic action.

Rations.—Maintenance and production requirements. Net energy values and starch equivalents. Feeding standards. Calculations of rations.

Foodstuffs.—Classification, manufacture, and composition of foods; monetary value of foods. Manurial values. Fertilizers and Feeding Stuffs Act.

Insecticides, Fungicides, Sheep Dips, etc.

Dairy Products.—Full chemical and physical description of milk; the variations in its composition and the factors influencing this. Preservation, and adulteration of milk. Colostrum. Cream. Chemistry of cheese-making and cheese ripening. Whey. Theory of butter manufacture. Composition and adulteration of butter. Butter milk.

H1 Course

First and Second Terms.—Lectures and laboratory work dealing with some recent developments and methods of research in Agricultural Chemistry.

First Year Diploma Course

First and Second Terms.—4 Lectures and 3 hours laboratory work a week.

Third Term.—2 Lectures and 4 hours laboratory work a week.

The Principles of Chemistry and their practical application with special reference to Agriculture.

Second Year Diploma Course

First and Second Terms.—3 Lectures and 3 hours laboratory work a week.

A continuation of first year Course.

Agricultural Economics

F1 Course

Two Lectures a week.

(*a*) *Cost Accounting.*—General Principles and Methods. Objects and diffi ulties. Determination of Labour costs, Man, Horse, and Tractor. Overhead and prime costs.

Analysis of costs of various farm operations. Determination of Gross and Net or Social Output. Distribution of Net or Social Output. Cost of production of crops. Cost of rearing and fattening livestock. Analysis of milk records and rations, and the cost of milk and egg production. Interpretation of results from cost and financial accounts, and their use as a guide to efficient farming, and farm management.

(*b*) *History of Agriculture.*—The influence of the past on modern farming. Domesday Book and its significance. Manorial system of farming, and causes of its decay. Enclosure Movements, with special reference to Yorkshire. Progress in methods of farming in the 17th and 18th centuries. The Napoleonic Wars and depression. The Corn Laws. History of agricultural labour and the Poor Law System. History of Tithe, Land Tax, Local Rates, Income Tax and forms of Tenure. Recent History. Evolution of agricultural technique. Prosperity and depression, their causes and effects. The State and Agriculture.

F2 Course

Two Lectures a week.

(*a*) *Agricultural Production.*—Land supply and utilisation. Rent. Conditions of tenure. Trend of supply of agricultural labour. Organisation of labour on the farm. Capital and its application. Relation of capital to labour. Combination of the factors of production. Limiting factors. Joint and supplementary products. Specialisation of production. Nation's food supply, home and imported. The State in relation to agriculture.

(*b*) *Marketing.*—Methods of marketing agricultural products. Services performed by producers and by various middlemen. Assembling, transport, storage, grading, processing, credit, advertising, delivery to consumers. Markets and fairs; exchanges; pooling; collective bargaining; co-operative marketing. Types of Consumers' Co-operation. Producers' Societies. Marketing and Co-operation in U. S. A., Denmark, Canada, etc.

(*c*) *Credit.*—Need for credit. Long and short term credit. Provision of agricultural credit at home and abroad.

H1 Course

Two Lectures a week.

Study of the History of Agriculture at home and abroad.

H2 Course

A detailed study of co-operation and marketing in England and other countries.

H3 Course

Reading and research from original sources, under supervision.

Diploma Course

First Year.—2 lectures and one Tutorial class per week.

Book-keeping.—General Principles of Book-keeping. Single and double entry systems. Financial accounts. Analytical Cash Book. Ledger and three column Cash Book. Journal, Purchase and Sales Book. Preparation of Profit and Loss Account, Capital Account and Balance Sheet. Partnership Accounts. Income Tax. Preparation of Income Tax Returns. Claims and allowances.

Second Year.—3 lectures per week.

For Syllabus see F1.

Third Year.—3 lectures per week.

For Syllabus see F2.

Agricultural Engineering and Surveying

Part I. Land Surveying and Levelling

Agriculture F4 and First Year Diploma Course

Second Term.—Two lectures a week.

Third Term.—Two lectures and 3 afternoons a week.

Surveying.—Chain surveys. Principles involved. Chains. Arrangement of lines and method of proving the work. Sources of error and precautions to be adopted. Chaining past obstacles. The field book. Scales. Plotting the survey. Calculating areas from the field notes by give-and-take lines; by the computing scale; and by the planimeter. Surveys in which the relative positions of the lines are fixed by angles. Instruments required, the Theodolite, Box Sextant, Prismatic Compass, Graduated Cross Staff. The Vernier, its construction and use. Elementary Trigonometry. Determination of Heights and Distances. Proving the accuracy of the angles taken. The Plane Table.

The maps of the Ordnance Survey, their value to the land agent and farmer.

Levelling.—Various types of Levelling instruments and staffs. Bench marks. Booking the readings and working out the reduced levels. Checking the level book. Proving the field work. Sections, their use for road making and similar purposes. Cross sections. Quantities of Earth Work. Contours. Curvature and refraction

During this course a farm or estate survey, involving the use of all the instruments mentioned above, is made and levels are also taken; the plan and sections are plotted in the drawing office as the work in the field proceeds.

Part II. Building Construction

Agriculture F3 and Second Year Diploma Course

First and Second Terms.—One lecture a week.

Homesteads for different classes of farms. Design and arrangement of farm buildings with a view to economy of construction and farm labour. Selection of site. Foundations. Materials and details of construction. Lighting. Ventilation. Drainage. Water supply. Alterations. Temporary buildings. Repairs. Dimensions of cow-stalls, stables, etc. Approximate costs.

Part III. Engineering

Third Year Diploma Course

First Term.—One lecture a week.

Second Term.—Two lectures a week.

Applied Mechanics.—The Principle of Work. Machines. Friction. Stress, Strain, and Elasticity. Factor of Safety. Stresses in Simple Structures.

Power Transmission.—Pulleys and belting. Strength of Belts. Toothed gearing. Shafting and bearings. Lubrication. Chains. Lifting appliances.

Boilers.—Cornish, Lancashire, Vertical and Tubular. Principles, construction, and management. Fittings.

Steam, Gas, Oil, and Petrol Engines.—Principles and construction. Testing. Determination of I.H.P. and B.H.P. Mechanical Efficiency. Dynamometers. Consumption of fuel and water. Concrete foundations.

Hydraulics.—Flow of water through pipes and channels. Measurement of quantity of water flowing in a stream. Power available from falling water. Water wheels, turbines, pressure motors. Pumps.

Windmills.—Construction and power.

Electricity.—The uses of Electricity on the farm. Units. Lighting. Fuses. Switches. Motors. Dynamos. Power.

Costs and Working Expenses.

Part IV. Machinery

Agriculture F3 and Third Year Diploma Course

First Term.—One lecture a week and occasional demonstration classes.

Implements for the preparation of the soil—for planting and harvesting crops. Machinery for the preparation of food—for the dairy. General principles underlying their construction and mode of action—prices.

Agricultural Geology

First Year Diploma Course

First and Second Terms.—2 Lectures and 3 hours laboratory work a week.

Scope of the science. The composition and physical characters of the common rock-forming minerals. Classification of rocks according to (*a*) their mode of origin, and (*b*) chemical composition. Climate. Rainfall. Temperature. Winds. Construction and interpretation of weather charts. Examination of meteorological instruments in use at the Cecil Duncombe Observatory.

Denudation, transport, and accumulation. Forms of stratification. The subdivision of stratified rocks. Economic products of the chief formations. The nature and origin of the drift deposits. Their importance in relation to the soils of the North of England. The soils of the Warp lands and the Yorkshire Wolds.

The disintegration of rocks and the formation of soils. Geological maps, their interpretation and use. British rainfall, its measurement and variation. Storage of subterranean waters. Water supply from springs and deep and shallow wells. Application of geological knowledge to the selection of sites for roads, bridges, etc.

Agricultural Zoology

F1 and Second Year Diploma Course

First and Second Terms :—4 hours a week.

Structure and life-history of insects. Spiders, mites, and ticks. Centipedes and millepedes. Worms. Slugs and snails. Remedial and preventive measures. Sprays and fumigants. Natural checks to the increase of insects, birds, small mammals, etc.

H1 Course

Third Year, Third Term ; Fourth Year, Second and Third Terms.—An extended course in entomology and helminthology ; protozoa of the soil ; pathogenic protozoa.

First Year Diploma Course

Third Term only :—4 hours a week.

Elementary anatomy of the higher animals. The use and mechanism of special organs. Drawing. The use of the microscope.

Horticulture

Third Year Diploma Course

First Term only.—1 Lecture a week.

The Soil of the Garden.—Classification of soils. The principal ingredients of soils. Soil Fertility. Winter and Summer cultivation. Trenching and Bastard Trenching.

Manures and Lime.—"Natural" and concentrated manures, their uses and application. Lime, and how to apply it.

Vegetable Crops.—Cropping plans. How to lay out the vegetable garden. Outlines of the cultivation of potatoes, "greens," "roots," and pod-bearing vegetables.

Fruit Culture.—Selection of the most useful hardy fruits. Planting, manuring, pruning. Selection of varieties. Some of the most troublesome insects and fungoid pests.

Physics and Mechanics

First Year Diploma Course

First and Second Terms.—2 Lectures, one tutorial class, and 3 hours laboratory work a week.

Hydrostatics.—General properties of matter. Density, Specific gravity. Principles of Archimedes. Hydrometry. Fluid pressure. Atmospheric pressure and Boyle's Law.

Heat.—Thermometry. Expansion of solids, liquids, and gases. Charle's Law. Quantity of heat. Specific heat. Calorimetry. Change of state. Latent heat. Properties of vapours. Hygrometry. Transference of heat. Mechanical equivalent of heat.

Mechanics.—Motion. Force. Newton's laws of motion. Energy. Work and power. Moments. Resolution of forces. Inclined planes. General conditions of equilibrium. Centre of gravity.

Magnetism and Electricity.—Properties of magnets. Magnetic induction. Molecular theory of magnetism. Electro-magnetism. Voltaic cells. Electrolysis. Ohms Law. Thermo-electricity. Electro-magnetic nduction.

Poultry Husbandry

Third Year Diploma Course

First Term only.—2 Lectures a week.

Poultry Production in England. Imports of Poultry Products.

Origin and development of the fowl. Points of a fowl. Classification of Poultry. Breeds and their characteristics. Principles and practice of Poultry Breeding. Natural methods of hatching. The various types of incubators and their management. Chicken Rearing.

Housing.—Conditions necessary for comfort and health. Construction and cost. Types of house most suitable for use. Foods and feeding practice. Management for egg production. Table poultry production. Cost of equipment.

Marketing eggs and poultry. Preservation of eggs.

Diseases of Poultry, their prevention and treatment.

Internal and external parasites affecting poultry.

Legislation and Orders affecting Poultry-keepers.

Breeds of ducks, geese, and turkeys, and their general management.

Veterinary Hygiene

F1 and Second Year Diploma Course

First and Second Terms.—4 Lectures a week and occasional Demonstration classes.

Anatomy and physiology of farm animals. Recognition of diseases affecting farm animals. Means of preventing disease, including ventilation, drainage, judicious feeding, grooming. Nature of heredity. Contagion and infection.

Demonstration Classes.

Conformation, handling, etc.; the general application of Veterinary Hygiene to Farm Animals.

SCHOLARSHIPS AND EXHIBITIONS TENABLE IN THE DEPARTMENT OF AGRICULTURE

A. Awarded by the County Councils of the Three Ridings of Yorkshire

1. *County Major, Senior, and Technological Scholarships.*

These Scholarships, each of which is up to the value of £100 per annum, are available for the Courses for the Degree of Bachelor of Science. They are awarded only on the result of competitive examinations. Technological Scholarships are not usually awarded to those who intend to follow the teaching profession. Full particulars can be obtained from the respective County Offices (see Section 2 below).

2. *Exhibitions for Farmers' Sons and Daughters :*

The Exhibitions cover the tuition fee at the University, and, in addition, contribute towards the maintenance of the student. Applicants are required to pass a qualifying test of their capacity to take advantage of the instruction. The Exhibitions are primarily intended for the Diploma Course in Agriculture, but may also be made available for the Degree Courses.

Application for these Exhibitions should be made on the special form, to be obtained by candidates in the East Riding, from the Clerk to the Council, County Hall, Beverley ; by candidates in the North Riding, from the Secretary, Education Department, County Hall, Northallerton ; and by candidates in the West Riding from the Education Department, Technical Branch, County Hall, Wakefield.

B. Awarded by Other Authorities

The Ministry of Agriculture and Fisheries offer Scholarships covering tuition fees and maintenance for three-year, two-year, one-year or shorter courses, for the sons and daughters of agricultural workmen and others. The scholarships are of three types, namely :—

Junior Scholarships.

Extended Junior Scholarships.

Senior Scholarships.

Owing to the termination of the lease of the Manor Farm, and the consequent abandonment of the short courses in Dairying and Poultry-keeping, it will not be possible, at present, for the Department to provide Courses for the holders of Junior Scholarships and Extended Junior Scholarships, which are only available for one-year or shorter Courses. The Senior Scholarships can be made tenable at the University. Full particulars of the Scholarships may be obtained on application to the Secretary, Ministry of Agriculture and Fisheries, 10, Whitehall Place, S.W.1.

Technological and other Scholarships, available for Courses in the Department, are offered by the Education Committees of some of the County Boroughs in Yorkshire.

EXTENSION WORK IN THE COUNTY

Full particulars of the work undertaken on behalf of the County Councils of the three Ridings of Yorkshire will be found in the handbook of the Yorkshire Council for Agricultural Education which may be obtained on application to the respective County Offices or to the Professor of Agriculture, The Uuiversity, Leeds.

The work includes :—

District Classes in Agriculture and other subjects.

Courses of Lectures on a variety of different subjects connected with Agriculture, and rural life.

Demonstrations and Experiments ; at the Soiling Farm, Rawcliffe ; at the Fruit Station, Osgodby ; and at various private farms in the County.

Technical advice to farmers and others, and the investigation of local problems.

The examination of specimens and samples, including chemical and bacteriological examination of milk.

DEGREES IN MEDICINE AND SURGERY

Ordinance

The degrees in Medicine and Surgery shall be:

Bachelor of Medicine and Bachelor of Surgery (M.B. and Ch.B.)
Doctor of Medicine (M.D.)
Master of Surgery (Ch.M.)
Doctor of Philosophy (Ph.D.)

1. Candidates for the degrees of Bachelor of Medicine and of Surgery are required to present certificates showing that they will have attained the age of twenty-one years on the day of graduation, and that they have attended courses of instruction approved by the University extending over not less than five years, two of such years at least having been passed in the University.

2. Candidates for the degrees of Bachelor of Medicine and of Surgery are required to satisfy the Examiners in the several subjects of the following examinations, entitled respectively:

The Matriculation examination, or such other examination as may have been recognised by the Joint Matriculation Board* of the Universities of Manchester, Liverpool, Leeds, Sheffield and Birmingham in its stead.
The First examination.
The Second examination.
The Final examination.

Regulations

Candidates for a degree in the Faculty of Medicine (M.B., Ch.B., or B.Ch.D.), except in cases specially approved by the Senate, are required to have passed in Mathematics as a subject of the Matriculation examination.

General Attendance

During the first four years, a year of medical study must include attendance upon at least *two* of the prescribed courses of lectures or laboratory work, or one such course and hospital practice, in each term, if that year

*Joint Matriculation Board, 315, Oxford Road, Manchester.

is to count as part of the degree course. In the fifth year clinical work will suffice. The attendance must be given at the University or at a College, Medical School, or Hospital recognised by the University.

Examinations

Except as provided below, candidates must present themselves and pass in all the subjects of any part of an examination at the same examination. But candidates who have failed (*a*) in Chemistry or Physics at the First examination for the degrees of M.B. and Ch.B., or (*b*) in Anatomy or Physiology at the Second examination for the degrees of M.B. and Ch.B., or (*c*) in any subject of Parts II. and III. of the Final examination for the degrees of M.B. and Ch.B. may be exempted from re-examination in such part of the examination as the combined Examination Committee may determine.

First Examination

Ordinances

3. The First examination shall consist of two parts:

PART I. (Pre-registration) Physics.
Inorganic Chemistry.

PART II. Zoology.
Botany.

4. Candidates, before presenting themselves for the First examination, are required to furnish certificates of having attended courses of instruction in accordance with the Regulations of the University and to have passed the Matriculation examination or obtained exemption therefrom.

5. The names of candidates who have satisfied the Examiners in either part of the First examination shall be published in alphabetical order.

First Examination

Regulations

Candidates for the First examination are required to furnish certificates of having attended approved courses of instruction at the University or at an institution recognised for this purpose by the University; or of

having attended, at some other institution, courses of instruction which shall be accepted by the University as equivalent.

The courses of instruction for students who have passed in Physics and Chemistry in the Matriculation examination, shall be as follows :—

1. Inorganic Chemistry : lectures and laboratory work : at least six months.
2. Physics : lectures and laboratory work : at least six months.
3. Zoology : lectures and laboratory work : at least one year.
4. Botany : lectures and laboratory work : at least one term.

These students will, in addition, commence attendance during the third term on the courses in Anatomy and Physiology.

The examination (Part I.) in Physics and Inorganic Chemistry will normally be held in March and the examination (Part II) in Zoology and Botany in June.

Students who have not passed in Chemistry and Physics in the Matriculation examination will be required to devote the whole of the first year to the Introductory courses in Physics, Chemistry, Zoology and Botany as prescribed for the B.Sc. degree, the course in each subject continuing throughout the session. They will take the First examination (both Parts) in June on completion of the first year's course. The examination will include laboratory work in the four subjects. Candidates may pass in each Part separately.

Candidates who have failed at the examination in March or June may be granted permission by the Senate to present themselves for a supplementary examination in September, and, if such permission be granted. may be excused such part of the supplementary examination as the Combined Examination Committee, on report from the Examination Committee concerned, may determine.

Admission to the First Examination (Part I) from School.

Students who have taken Chemistry and Physics in matriculation and who have studied Zoology at school may present themselves for Part I. of the First Examination in March without attendance at the University, provided that they take at the same time a special examination in Zoology arranged by the University. Candidates who satisfy the examiners in all three subjects will take during the ensuing summer term the ordinary course in Botany and the third term course in Zoology for medical students, and may present themselves for Part II of the First Examination in June.

Concessions to Higher School Certificate holders.

Students who attain a satisfactory standard in Chemistry, Physics and Biology in the Higher School Certificate Examination and who propose to study for an Honours Science degree in Zoology, Anatomy, Physiology or Bacteriology in addition to the medical degrees may be exempted by the Board of Medicine from the courses in Inorganic Chemistry, Physics, Botany and Zoology of the first medical year.

This concession is only operative provided the student completes the three years' course of pre-clinical study.

Application for such exemptions should be made by the student to the Head of the Department in which he he is presenting himself for Honours.

Second Examination

Ordinances

6. The Second examination shall consist of four parts :

PART I. Organic Chemistry.
PART II. Materia Medica and Practical Pharmacy.
PART III. Anatomy.
Physiology.

7. Candidates, before presenting themselves for the Second examination, are required to furnish certificates of having attended courses of instruction in accordance with the Regulations of the University and to have passed the First examination, provided that candidates who have been exempted from the courses and examina-

tions in Inorganic Chemistry and Physics may take the examination in Organic Chemistry (Part I of the Second examination) on the completion of the course in that subject, although they have not yet taken Part II of the First examination (Zoology and Botany).

8. The names of candidates who have satisfied the Examiners in any part of the Second examination shall be published in alphabetical order.

Second Examination

Regulations.

Candidates for the Second examination are required to have attended complete courses of instruction approved by the University in Organic Chemistry (two terms); in Materia Medica and Practical Pharmacy (one term); and in Anatomy and Physiology (five terms). The certificates must show (1) that dissection has been practised during †five terms at least; (2) that laboratory instruction, approved by the University, has been received in Physiology; (3) that practical instruction, approved by the University, has been received in Materia Medica and Pharmacy.

Subjects of examination.

PART I.

Organic Chemistry.

PART II.

Materia Medica and Pharmacy. Candidates will be required to recognise drugs, and to compound medicines.

PART III.

Anatomy. Candidates may, at the discretion of the Examiners, be required to perform actual dissection.

Physiology includes laboratory work in Bio-chemistry, and in Experimental and Human Physiology.

Candidates may pass in each Part separately.

Candidates who fail to satisfy the Examiners in any subject of the examination must, before being readmitted to examination, produce evidence of having pursued such further study as may have been required by the Examiners.

† Work in the vacations, if sufficient in amount, is counted as one term.

Final Examination

Ordinances

9. The Final examination shall consist of three parts :

PART I. Pharmacology, Pathology and Bacteriology.

This may not be taken before the end of the 2nd Clinical year.

PART II. Medicine.
Surgery.
Obstetrics and Gynæcology.
Clinical Pathology.

PART III. Forensic Medicine.
Public Health.
Therapeutics.

Parts II and III may not be taken before the end of the 3rd Clinical Year, nor before the completion of the 5th year of medical study.

10. Candidates, before presenting themselves for any part of the Final examination, must furnish certificates of having attended courses of instruction, in accordance with the Regulations of the University.

11. Candidates are required to have passed the Second examination before presenting themselves for Part I of the Final examination.

12. Candidates are required to have passed Part I of the Final examination before presenting themselves for Parts II and III.

13. Parts II and III may be taken either separately or together, but if taken separately, Part II must be passed before Part III.

14. The names of candidates who have satisfied the Examiners in Parts I or II of the Final examination shall be published in alphabetical order.

15. The names of candidates who have satisfied the Examiners in all the subjects of the Final examination, and are recommended for degrees, shall be published as follows :

1. Those awarded First Class Honours.
2. Those awarded Second Class Honours.
3. Those who have satisfied the Examiners.

The names shall be in alphabetical order in each case.

Final Examination

Regulations

Candidates must furnish certificates of having attended courses of instruction approved by the University, and taken in the University or in a Medical School recognised for this purpose in the subjects in which they offer themselves for examination.

Candidates are required to furnish certificates as follows :—

A. In respect of lectures and laboratory work.

1. Pathology and Bacteriology, five terms.

   The certificates in Pathology and Bacteriology must in all cases testify that the candidate has attended courses of laboratory instruction in these subjects, approved by the University.

   Pharmacology, one hour a week during six terms.

2. Medicine, four terms.
   Mental Diseases, one term.
   Infectious Diseases, one term.
   Children's Diseases, one term.

3. Surgery, four terms.
   Ophthalmology, one term.
   Orthopœdic Surgery, one term.

4. Obstetrics and Gynæcology, two terms.

   The certificate in Obstetrics and Gynæcology must in all cases testify that the candidate has attended courses of practical instruction, approved by the University, in the use of obstetrical and gynæcological instruments.

5. Clinical Pathology, one term.
6. Forensic Medicine, one term.
7. Public Health, one term.
8. Therapeutics, one term.
9. Radiology and Electro-therapeutics, one term.

B. In respect of hospital work.

1. In Medicine and Surgery, of having attended subsequent to the date of passing the second examination, the medical and surgical practice of a hospital or hospitals, approved by the University, during at least three years.

2. In Pathology and Morbid Anatomy, of having attended during at least twelve months demonstrations in the post-mortem room of a hospital, including practical instruction.
3. In Obstetrics, (*a*) of having attended during not less than three months the indoor and outdoor practice of a lying-in hospital or the lying-in wards of a general hospital approved by the University, and (*b*) of having personally conducted not less than twenty cases of labour, subsequently to having acted as surgical dresser and medical clinical clerk.

The certificate must in all cases (*a*) testify that such attendance has been given under the direct supervision of a medical officer of the hospital, and (*b*) regarding the personal conduct of cases of labour, be signed by a member of the staff of a hospital or a maternity charity.

4. In Gynæcology, of having, during at least three months, received in either a general or a special hospital, approved by the University, such clinical instruction in the diseases peculiar to women as shall be approved by the University.
5. Of having received clinical instruction in the diseases of children.
6. Of having received clinical instruction in Orthopœdic Surgery.
7. Of having received clinical instruction in diseases of the eye, ear, throat and skin and in venereal disease.
8. Of having received instruction in the administration of anæsthetics.
9. Of having acquired proficiency in vaccination.
10. Of having acted as a surgical dresser for six months, as a clinical medical clerk for six months, and as a clerk for three months in the post-mortem room of a hospital recognised by the University.

Subjects of Examination.

1. PHARMACOLOGY.
2. PATHOLOGY AND BACTERIOLOGY.

Candidates will be examined practically on Bacteriology, Pathological Anatomy, Histology, and Chemistry.

3. Medicine : Systematic and Clinical, including Mental Diseases and Diseases of Children and Skin Diseases.
   Candidates, in order to pass, must satisfy the Examiners in the clinical part of the examination.
4. Surgery : Systematic, Clinical and Practical, including Orthopœdic Surgery, Ophthalmology, Otology, Rhinology and Laryngology.
   Candidates will be examined on the use of surgical instruments and apparatus, and on museum preparations ; they may also be required to perform operations on the dead body.
   Candidates, in order to pass, must satisfy the Examiners in the clinical part of the examination.
5. Obstetrics and Gynæcology : Systematic, Clinical, and Practical.
   Candidates will be required to shew their practical acquaintance with obstetrical and gynæcological manipulations and instruments by the use of the phantom or otherwise and will also be examined on museum preparations.
   Candidates in order to pass, must satisfy the examiners in the clinical part of the examination.
6. Clinical Pathology.
7. Forensic Medicine and Toxicology.
   Candidates may be required to determine the character of stains and stained fabrics, microscopically and chemically, and to recognise poisonous articles of the materia medica.
8. Public Health.
9. Therapeutics.

In determining the award of Honours account will be taken of the results of the Second examination.

Candidates who fail to satisfy the Examiners in any subject of the examination must, before being re-admitted to examination, produce evidence of having pursued such further study as may have been required by the examiners.

Degree of Doctor of Medicine

1. Candidates shall not be admitted to the degree of Doctor of Medicine unless they have previously received the degrees of Bachelor of Medicine and Bachelor of Surgery of this University, and until they have completed, subsequently to taking these degrees, either (*a*) two years of hospital practice or special study approved by the University, or (*b*) four years in the practice of their profession in one or other of its various branches ; always provided that work done under headings (*a*) and (*b*) may be combined so that each six months spent in work under Ordinance

(*a*) shall be regarded as the equivalent of one year's work under (*b*).

2. Candidates for the degree of Doctor of Medicine are required to present themselves for an examination in Medicine or any other subject (except Surgery) selected by them from the curriculum for the Second and Final Examinations for the degrees of Bachelor of Medicine and Bachelor of Surgery.

The examination shall consist of two or more written papers in the subject chosen by the candidate, a written commentary or essay, a clinical or practical examination or both, and a *viva voce* examination.

If the candidate so desires, a thesis, the subject of which has previously been approved by the Board of the Faculty of Medicine, may be substituted for the written commentary or essay. If the thesis so presented is adjudged by the examiners to be of exceptional merit, the candidate may be exempted from further examination Original work, published in scientific journals or in the proceedings of learned societies, or separately, shall be admissible in lieu of or in addition to a thesis specially written.

3. The names of candidates who have been approved for the degree of Doctor of Medicine shall be published in alphabetical order, and distinction may be awarded at the discretion of the Examiners.

Regulation

Candidates for the degree of Doctor of Medicine are required to furnish three copies (printed or type-written) of the dissertation or published work which they desire to submit, together with any drawings or specimens which may be necessary for their illustration. These copies shall be sent to the Clerk to the Senate at least six weeks before dates fixed for Final M.B. Examinations. They will be retained by the University.

Degree of Master of Surgery

Ordinance

1. No candidate shall be admitted to the degree of Master of Surgery unless he has previously received the degrees of Bachelor of Medicine and Bachelor of Surgery, and at least one year has elapsed since he passed the examination for those degrees.

2. Every candidate, before presenting himself for the examination for the degree of Master of Surgery, is required to have graduated as Bachelor of Medicine and Bachelor of Surgery, and to furnish certificates of attendance in accordance with the Regulations of the University.

3. The subjects of examination are as follows:

Surgical Anatomy	Clinical Surgery
Surgery	Ophthalmology
Operative Surgery	Pathology and Bacteriology.

4. The names of candidates who have satisfied the Examiners shall be published in alphabetical order, and distinction may be awarded at the discretion of the Examiners.

Regulations

Candidates, before admission to the examination for the degree of Master of Surgery, are required to furnish certificates which shall be deemed satisfactory by the University that they, since taking the degrees of Bachelor of Medicine and of Surgery, have held, for not less than six months, a Surgical appointment in a public hospital, or other public institution affording full opportunity for the study of Practical Surgery.

Candidates proposing to present themselves for this examination are required to give notice, in writing, to the Clerk to the Senate on or before February 1st.

Candidates for the degree of Master of Surgery are also required to furnish certificates:

1. Of having attended a special course of instruction on Operative Surgery, approved by the University, and of having personally practised the principal surgical operations on the dead body.
2. Of having attended a systematic course of instruction, including practical work, approved by the University, on Bacteriology.
3. Of having attended a course on Ophthalmology, and of having received instruction in Ophthalmic Surgery approved by the University.

Degree of Doctor of Philosophy (Ph.D)

Ordinance

1. The Degree of Doctor of Philosophy (Ph.D). is conferred, on payment of the proper fee, on persons who are registered graduates of the University of Leeds, or who

have obtained at an approved University a degree awarded upon an approved course of study extending over not less than three years, or have passed the Final examination for such a degree at an approved University, provided that in all cases the conditions laid down in the following paragraphs have been satisfied.

2. All Candidates for the degree of Doctor of Philosophy are required to pursue in the University for at least two academic years an approved full-time course of advanced study and research, under the direction of the Head of the Department concerned or of a member of the University staff appointed by the Senate on his recommendation ;

provided that, after completion of the first year of the course, candidates may be permitted to devote such periods as may be deemed advisable by the Senate to full-time study and research in other approved Universities or institutions, while remaining under the direction of the University or of persons nominated by the University.

Regulations.

3. Before entering on the course of advanced study and research, candidates are required

(*a*) To have attained the age of 21 years.

(*b*) To submit to the Senate for its approval the course of advanced study and research proposed by them and to present evidence satisfactory to the Senate that they are qualified to undertake the proposed course.

(*c*) To register as students of the University and to pay the prescribed fees for tuition.

4. On completing the course of advanced study and research, candidates are required

(*a*) To present a thesis on the subject of their advanced study and research, and to satisfy the examiners that it contains original work worthy of publication, and that it is of a sufficient standard of merit to qualify for the degree of Doctor of Philosophy.

(*b*) To submit themselves for an oral examination on matters relevant to their thesis and, if required, for a written examination and to satisfy the examiners in the examination as well as in the thesis presented.

DIPLOMA IN PUBLIC HEALTH

Regulations

1. The curriculum shall extend over a period of not less than twelve calendar months subsequent to the attainment of a registrable qualification.

2. The examination shall be held twice in each year, in March and September.

The examination shall be in two Parts.

PART I.

3. The examination shall be practical, written and oral, and shall include the following subjects :—

(*a*) Bacteriology and Parasitology (including Medical Entomology).

(*b*) Chemistry and Physics, and Meteorology and Climatology in relation to Public Health.

Candidates must pass in (*a*) and (*b*) at one time and must do so before being admitted to Part II.

PART II.

4. The examination shall include the following :—

(*c*) Hygiene and Sanitation (including Sanitary Construction).

(*d*) Epidemiology and Infectious Diseases.

(*e*) Sanitary Law and Vital Statistics.

(*f*) Public Health Administration.

It shall be written and oral, and shall include practical examinations in Infectious Diseases, Food Inspection, Inspection of premises, dwellings, factories, workshops, schools, etc.

Candidates shall not be admitted to Part II. until after the lapse of two years from the date of obtaining a registrable qualification in Medicine, Surgery and Midwifery, which qualification must be registered ; and they must pass at one time in all the subjects (*c*), (*d*), (*e*) and (*f*).

5. Before admission to Part I. candidates must produce evidence of having attended during a period of not less than six months practical instruction in :—

(i) Bacteriology and Parasitology (including Medical Entomology), especially in their relation to diseases of man, and to those diseases of the lower animals which are transmissible to man.

This course must have occupied at least 180 hours of which at least 150 must have been spent in practical laboratory work.

(ii) Chemistry and Physics in relation to Public Health.

At least 90 hours must have been devoted to this course of which at least 70 hours must have been spent in practical laboratory work.

(iii) Meteorology and Climatology in relation to Public Health.

At least 10 hours must have been devoted to this course.

6. Before admission to Part II. candidates must produce evidence of having held a registrable qualification for at least two years and :—

I. Of having attended a course of instruction of not less than 80 hours in :—

(*a*) The principles of Public Health and Sanitation (30).

(*b*) Epidemiology and Vital Statistics (20).

(*c*) Sanitary Law and Administration (including Public Medical Services (20).

(*d*) Sanitary Construction and Planning (10).

II. Of having attended for three months on the clinical practice of a recognised hospital for Infectious Diseases and of having received therein instruction in the methods of administration. Sixty hours attendance in all is required and candidates must attend for 2 hours on at least 30 days. One or more such attendances must be given in each week of the three months.

III. Of having, during a period of not less than six months, been engaged in acquiring a practical knowledge of the duties, routine and special, of Public Health Administration under the supervision of a Medical Officer of Health, who shall certify that candidates have received, from himself or other competent Medical Officer, during not less than three hours on each of sixty working days, practical instruction in these duties and also those relating to :—

(*a*) Maternity and Child Welfare Service.

(*b*) Health Service for Children of School Age.

(*c*) Venereal Diseases Service.
(*d*) Tuberculosis Services.
(*e*) Industrial Hygiene.
(*f*) Inspection and Control of Food, including meat and milk.

Certificates under III. must be given by a Medical Officer of Health who devotes his whole time to the work, or by the Medical Officer of Health of a Sanitary Area having a population of not less than 50,000 or in Ireland the Medical Superintendent Officer of Health of a county or county borough having a population of not less than 50,000.

7. The courses for Public Health must have been attended in the University or in a College, Medical School, or other institution whose courses of instruction shall have been accepted by the University as equivalent, but all candidates must spend at least three months on courses in the University.

8. Every candidate who has passed both parts of the examination shall receive a Diploma in Public Health.

Summary of Courses for Diploma in Public Health

Period.	Monday.	Tuesday.	Wednesday	Thursday.	Friday.	Saturday.
1st Term (October to December)	Bacteriology 2—5 Sanitary Law, Administration, &c. 5.30—7.30	Sanitary Chemistry 2—5	Lecture on Public Health 9—10.30 Bacteriology 2—5	Sanitary Chemistry 2—5 Sanitary Administration, &c. 5,30—7.30	Bacteriology 2—5	Lecture on Public Health 9—10.30 Parasitology 10.45—12.45
2nd Term (January to March).	Bacteriology 2—5	(1st half term) Sanitary Chemistry 2—5 (2nd half term) Meteorology and Climatology 3—5	Bacteriology 2—5	(1st half term) Sanitary Chemistry 2—5 (2nd half term) Meteorology and Climatology 3—5	Bacteriology 2—5	Sanitary Engineering &c. 9.30—11
3rd Term (April to June)						

Six months practical knowledge of administration under supervision of a Medical Officer of Health; and a special course at a Hospital for Infectious Diseases, are made by arrangement.

DIPLOMA IN PSYCHOLOGICAL MEDICINE

Regulations

1. The examination is in Three Parts, and is written, oral and practical.

2. Candidates, before entering for the first Part of the examination must produce evidence,

(A) 1. Of being graduates in Medicine of at least one year's standing.

2. Of having attended, after graduation, approved courses of instruction in the subjects of examination.

3. Of having acted as Clinical Clerk or Assistant Medical Officer in an Asylum, recognised for this purpose, for a period of at least six months.

4. Of having attended a course of systematic instruction on the normal and morbid anatomy of the brain for a period of six months in the recognised laboratories of the University.

(2, 3 and 4 may be taken concurrently, and as evidence of (4) must be produced a laboratory note book record of practical work which has been regularly inspected and signed by a recognised teacher.)

or (B) 1. Of having acted as Assistant Medical Officer in an Asylum of not less than 500 beds for a period of at least two years.

2. Of having, during or after this period, attended approved courses of instruction in the subjects of examination.

3. Of having attended a course of systematic instruction on the normal and morbid anatomy and histology of the brain for a period of six months in the recognised laboratories of the University.

(as evidence of this must be produced a laboratory note book record of practical work which has been regularly inspected and signed by a recognised teacher.)

4. In addition to the laboratory work under (3), or in lieu of three months thereof, candidates may submit a dissertation which must embody the results of personal observations or original research in relation to psychological medicine, provided always that original work, published in scientific journals, or in the Proceedings of learned societies, or separately, shall be admissible in lieu of or in addition to a dissertation specially written for the diploma.

Subjects of Examination

PART I.

(i) The Development, Anatomy and Histology (Human and Comparative) of the Nervous System.

(ii) The Physiology of the Nervous System and of the Organs of Special Sense.

(iii) General Psychology.

PART II.

(iv) The Pathology of the Nervous System.

PART III.

(v) Clinical Psychiatry.

(vi) Experimental and Morbid Psychology.

(vii) (*a*) Clinical Neurology.
(*b*) Mental Hospital Administration.
(*c*) Medico-Legal aspects of Insanity.

Candidates in order to pass, must satisfy the examiners in the practical and clinical parts of the examination in Parts II and III respectively.

Candidates may present themselves for the three Parts of the examination separately or at the same time, provided that no candidate shall be allowed to pass in Part II unless he has already passed in Part I, or in Part III unless he has already passed in Parts I and II. No candidate's name will be published until he has satisfied the Examiners in all three Parts of the examination.

Every candidate who has passed in all three Parts of the examination and is legally qualified and registered, will receive a diploma in Psychological Medicine.

Summary of Courses for Diploma in Psychological Medicine

Period.	Tuesdays.	Wednesdays.	Thursdays.	Fridays.
1st Term October to December			Physiology 2 p.m. Anatomy 3 p.m. Experimental Psychology 4.30 p.m.	Physiology 2 p.m. Anatomy 3 p.m. Clinical Neurology 4 p.m.
2nd Term January to March			General Psychology 3 p.m.	
3rd Term April to June	Mental Diseases Lectures 4 p.m.	West Riding Mental Hospital, Wakefield. 3 p.m.	Neuropathology 2 p.m. Mental Diseases Lecture 4 p.m.	

Subject to Alteration.

DIPLOMA IN NURSING

Regulations

1. Each candidate who satisfies the examiners shall receive a Diploma, and shall be styled a Diplomate in Nursing, University of Leeds.

2. Before presenting themselves for examination for the Diploma, candidates must have completed four years' training in a General Hospital recognised by the University for the purpose, and shall have received a certificate to this effect.

3. Candidates shall furnish evidence of having attained an adequate standard in general education satisfactory to the University.

4. The four years' hospital training shall include—

(*a*) Practical instruction and tuition in the following :—

i. Ward nursing, medical, surgical and special.
ii. The Principles of Surgical Technique and operation service.
iii. Bandaging and the preparation and use of splints and other appliances.
iv. Invalid cookery.
v. The feeding and care of infants.
vi. The Principles of Ward administration.
vii. Testing of urine.
viii. Preparation for autopsies.

(*b*) Attendance on the following courses of Lectures and Lecture Demonstrations :—

i.	The Principles and Practice of Nursing	20 lectures.
ii.	Anatomy and Physiology	20 ,,
iii.	Medicine	12 ,,
iv.	Surgery	12 ,,
v.	Obstetrics and Gynæcology ..	8 ,,
vi.	Children's Diseases and the nursing of sick children	6 ,,
vii.	Hygiene	8 ,,

Candidates shall furnish certificates of such attendance and of having passed satisfactorily a class examination in each subject.

At least three months must be spent in attendance on courses in the University of Leeds (for this purpose lectures delivered in the Leeds General Infirmary shall be deemed to have been delivered in the University of Leeds). The number and the character of the courses shall be determined in each case by the University.

5. Candidates must also attend a Course of Lectures in the University of Leeds on Social Economics or some other approved subject. Fee £3.

6. A nurse may be registered as a candidate for the examination *at any time* after she has been accepted for full Hospital Training, upon

(*a*) Payment of a registration fee of five guineas.

(*b*) Producing the necessary evidence of general education.

7. The examination may be taken at any time after lodging the certificate of completion of training (as defined in paragraph 2), upon

(*a*) Payment of a further fee of five guineas.

(*b*) The production of the certificates of attendance upon the prescribed courses of lectures (paragraphs 4 and 5).

8. The examination shall be held twice annually, and shall be

(*a*) By written papers.

(*b*) In practical work.

(*c*) *Viva Voce.*

Parts I and II may be taken separately.

PART I—Paper and *viva voce* in all subjects:

(*a*) Anatomy and Physiology.
(*b*) Obstetrics and Gynaecology.
(*c*) Diseases of Infancy and Childhood.
(*d*) Hygiene.

PART II—Paper, *viva voce* and Practical examination in all subjects:

(*e*) Principles and Practice of Nursing—
(1) General.
(2) Adminstrative.
(*f*) Medicine.
(*g*) Surgery.

Enquiries as to fees, courses, &c., should be directed to the Dean of the Faculty of Medicine, or to the Matron of the Leeds General Infirmary.

COURSE OF INSTRUCTION FOR SISTER-TUTORS

This course is open to fully trained nurses who have taken, or are taking the Diploma in Nursing of the University of Leeds, and extends over a session of 32 weeks (3 terms).

Syllabus (*in addition* to requirements for the Diploma in Nursing).

1. GENERAL ELEMENTARY SCIENCE.

The elementary facts of Chemistry, Physics, Zoology and Botany in relation to vital phenomena. 1st and 3rd terms, one half-day per week. 2nd term, two half-days per week.

2. ANATOMY.

Demonstrations and practical work on selected organs and parts. 2nd and 3rd terms, 3 hours per week.

3. PHYSIOLOGY.

Demonstrations and practical work in Physiology and Histology including the testing of body-fluids, examination of blood, etc. 2nd and 3rd terms, 3 hours per week.

4. PATHOLOGY.

Six demonstrations in the post-mortem room. 36 hours Bacteriology including sterilisation and immunity —3rd term.

5. HYGIENE.

Visits to various centres of public health work, including Maternity and Infant Welfare centres.

6. COURSES OF INSTRUCTION IN EDUCATION.

(*a*) History of Education—1 term, 1 hour per week.
(*b*) Experimental Education—1 term, 1 hour per week.
(*c*) Educational Psychology—3 terms, 1 hour per week.
(*d*) Principles of Education—
3 terms, 1 hour per week, Theoretical.
3 terms, 1 hour per week, Practical.
(*e*) Practical Teaching—3 terms, ½ day per week during session, including demonstration or criticism lesson and visits to special schools and institutions.
(*f*) Cookery Teaching.

7. SOCIAL ECONOMICS. (If not already taken for diploma).

Fees	£35	0	0	for Sister-Tutor's Course.
	13	10	0	for Diploma in Nursing (including £3 for course of lectures in Social Economics) and Registration Fee.
Total	£48	10	0	

Residence, etc. in University Hostels £54 to £63 per session, according to room.

DATES OF EXAMINATIONS

1. The Matriculation examination is held twice in each calendar year, in July and in September.

2. Part I. of the First examination in March and September, Part II. in June and September.

3. The Second and Final examinations are held in March and September.

The examinations for the Diplomas in Public Health, Psychological Medicine, and Nursing, as in (3).

The exact dates are published on the notice boards some weeks in advance.

SCHOOL OF MEDICINE

The School of Medicine is separated from the Infirmary by the width of a street only, a proximity which facilitates attendance at both institutions. The wealth of clinical material in the Infirmary and other Medical Institutions in Leeds and the West Riding, together with the Laboratories, &c., in this School, offers to students opportunities of great value.

In connection with the clinical teaching in the Infirmary the Instructional Block provides ample accommodation for clinical lectures and tutorial instruction, as well as a clinical laboratory for the use of clerks and dressers.

Students are educated for the degrees of Leeds and other Universities, and for the diplomas of all Medical Licensing Bodies in the United Kingdom. Women are admitted on the same terms as men.

The present buildings were opened in 1894. They contain one of the finest Dissecting Rooms in the kingdom ; laboratories for Physiology, Pathology, and Bacteriology, fully equipped ; three Lecture Theatres and several smaller Class Rooms ; a Library and Reading Room ; a Pathological Museum, and a separate Museum for Anatomy.

The convenience and comfort of students are also provided for by commodious Common Rooms, separate lockers for coats, &c., and a Refectory. There is also a Fives Court in the quadrangle. A separate Common Room is provided for women students.

Prescribed Course of Studies for Medical Students

Matriculated students and those who have passed a recognised alternative examination in general knowledge may register with the General Medical Council on passing the pre-medical registration examination in inorganic chemistry and physics. Thereafter they require to spend

five years on a prescribed course of studies, three of which shall be clinical years.

The full medical curriculum may be divided into three periods, the pre-registration, the pre-clinical and the clinical. The pre-registration period, if spent in the University, extends from October to April, and is devoted to the study of inorganic chemistry, physics and zoology. The pre-clinical period, approximately two years in length, is spent in the study of zoology, botany, organic chemistry, anatomy, physiology, materia medica and pharmacy and pharmacology. The final period of three years is devoted to pathology and the various clinical subjects, including hospital practice.

The regulations of the School of Medicine of the University of Leeds require that the professional examinations be passed at the prescribed periods. Students must pass the examinations of one period before they are permitted to commence the studies of that which follows. The only exception to this rule is that candidates who have been exempted from the courses and examinations in inorganic chemistry and physics may take the examination in organic chemistry (Part I. of the Second examination) on the completion of the course in that subject, although they have not yet taken Part II. of the First examination (zoology and botany). Students will not be allowed to enter the School of Medicine until they have passed the examination in inorganic chemistry and physics.

The curriculum is arranged for the purpose of giving a thorough and complete medical education and to this end regular and punctual attendance at lectures and classes is absolute necessary. For the same reason it is very desirable that all lectures and classes (as well as the clinical appointments) should be taken in the order indicated in the " Normal Course," and no part of the course is to be looked upon merely as a formality necessary for " Signing up."

Students should not attend subjects like vaccination and infectious diseases until they have attended some lectures on medicine and pathology.

The following is the arranged distribution of hours between the School and the Infirmary: School, 9—10, 12—2, 4—5; Infirmary, 10—12, and 2—4. Students are expected to leave their work at one institution so as to be punctual at the other if they have lectures or classes (or clinical appointments, as the case may be) to attend.

When the final examinations have been passed, the student registers with the General Medical Council and is then legally entitled to practice his profession. The necessary form can be obtained at the Dean's office.

Having thus become qualified, the graduate will find it advantageous, in order to widen his experience, to spend at least the first year as a House Physician or a House Surgeon in a hospital, or as an assistant to a practitioner.

Should one of the public services be the ultimate aim care should be taken to make full acquaintance with the regulations in force for the time being.

GENERAL REGULATIONS FOR STUDENTS

1. All students are required to enrol their names at the Dean's office on the opening day of each session. Students who from any unavoidable cause are prevented from personally attending at that time must communicate with the Academic Sub-Dean by letter.

2. Should a student change his residence during the Session, he must inform the Academic Sub-Dean of the change of his address without delay.

3. Regular, punctual and orderly attendance at Lectures, Demonstrations and Class-examinations is required of every student, in order to obtain certificates of attendance. In the case of persistent neglect of work, repeated failure at professional examinations or unreasonable delay in presenting himself for such examinations, a student may be required to withdraw from the University.

4. In cases of illness or other unavoidable cause of non-attendance at any Lecture, Demonstration or Class examination, a written explanation, accompanied, when necessary, by a medical certificate, must be sent to the

Academic Sub-Dean with as little delay as possible; otherwise excuses for absence cannot be accepted. Hospital work is not counted as an excuse for non-attendance upon lectures excepting in the case of students performing their duty in the Receiving Room, and for attendance upon actual cases of Midwifery, all of which must be duly certified. Consequently students must not take any resident hospital appointments which involve absence from lectures or classes in the School, unless they have previously informed and obtained the permission of the Academic Sub-Dean.

5. Smoking is allowed only in the Students' Common Room, the Refectory after 1 p.m., and under certain restrictions in the Dissecting Room.

6. Students will be required to make good, to the satisfaction of the Council, any loss, wilful damage or injury they may occasion to the property of the University.

7. Students in the School of Medicine are amenable to the discipline and general regulations of the University, as well as to the rules made by the Board of the Faculty of Medicine. Violation of these regulations and rules renders a student liable to immediate dismissal and to the forfeiture of all fees, certificates and privileges as a student of the University.

8. Prior to entering the School every student is required to sign the following declaration:

> *If admitted a Student in the Faculty of Medicine of the University of Leeds, I undertake to comply with all rules and regulations of the University, and to conduct myself on all occasions in an orderly manner. I fully understand that no allowance whatever will be made, and that I have no claim upon the Council of the University in respect of any fees paid by or due from me, in case such fees are forfeited by any irregularity or misconduct on my part.*

The Library

Contains a valuable collection of books, composed of the united libraries of the School of Medicine and of the Leeds and West Riding Medico-Chirurgical Society. The Library of the Old Infirmary, rich in Medical Classics, became the property of the Medical School in 1865.

The Collection includes most of the modern works of importance, and the chief English and foreign periodicals are taken.

Recommendations for the purchase of new works should be entered in a book provided for the purpose, or be addressed to the Hon. Librarian.

Library Rules

1. The Library is open to students daily, between the hours of 9 a.m. and 5 p.m., except on Saturdays, when it is closed at 1 p.m. During these hours, books can be obtained for use in the Library.

2. Students wishing to borrow books for home use are allowed to do so under the following regulations:—

(*a*) Every student wishing to take books away from the Library shall deposit half-a-guinea as caution money; this sum, or the balance of it remaining shall be refunded to the depositor on the return of his library card.

(*b*) The student will, on payment of the deposit, receive a library card with his name upon it.

(*c*) Books borrowed for home use must be returned to the Library within two weeks from the date of issue, unless they are in urgent demand when they may be recalled earlier. One volume only can be borrowed at a time. A fine of 2d. a day is incurred for every day that it has been detained beyond the time allowed.

(*d*) No periodical for the current year may be removed from the Library.

(*e*) In case of loss of or damage to any book, the loss or damage must be made good by the borrower.

(*f*) Every book must be returned to the Library at the end of the Summer term.

Museums

The Museum of Pathology contains, in addition to preparations illustrating the ordinary pathological processes, many rare specimens, some of historical interest. It draws largely for its supply from the abundant material of the General Infirmary, as well as from other institutions in the City. A collection of Microscope sections from specimens in the Museum is available for the use of students on application.

A complete type collection of Materia Medica specimens is also placed here for the convenience of students.

The Museum of Anatomy and Bone Room adjoins the Dissecting Room. It was fitted up under the

direction of the first Professor of Anatomy (Dr. T. Wardrop Griffith) with a valuable collection of specimens specially arranged for study, which are also used in illustration of the Lectures on Anatomy. Amongst them are a complete set of bones marked with the muscular attachments, and mounted in revolving cases; and an extensive series of wax models, illustrating the development of the fœtus.

Lockers

These are provided for the safe keeping of coats, books, &c. The rent is 5s. per annum, commencing at the 1st term, with a deposit of 5s., which will be returned when the key is given up, if the locker is undamaged.

Refectory

A well-appointed Refectory, which is open daily, excepting Saturday, has been provided in the building. It is under the combined management of the Board of the Faculty and of the Students' Representative Council. Luncheon is served from 12 to 2 p.m. Tea, coffee, and light refreshments may be obtained until 5 p.m.

The Leeds University Union

Includes membership of debating societies, admission to athletics and gymnasium, and use of Common Rooms. At the gymnasium a permanent instructor is engaged.

A subscription of £2 per annum is charged, by direction of the Council of the University, to all students, and is to be paid like other University fees to the Accountant. The composition fee includes the Union subscription.

Students' Representative Council

This Council is elected annually by the students of the School of Medicine from amongst their own number.

It concerns itself with the affairs of the Medical students, and appoints representatives to serve on the Committee of the Students' Union, a proportion of whose funds it has at its disposal.

The Secretary of the Council is *ex-officio* the Medical Secretary of the Union Committee.

The Council further appoints Dinner, Entertainments and Sports sub-committees, and three of its number serve upon the Refectory Committee.

The office holders for 1928–29 are—*President*, R. G. S. Meadley, and *Secretary*, P. R. Allison.

The Medical Society

is managed by a committee elected by the Students. Meetings are held on alternate Tuesdays during the winter session, when papers dealing with subjects of medical interest are read by members of the Society and by eminent members of the medical profession. The session usually commences with an address by one of the members of the Staff.

The office holders for 1928-29 were—

Presidents:—E. Grundy, A. J. C. Latchmore, E. J. Wayne.
Secretaries:—J. N. Hill.
R. E. Tunbridge.
Treasurer:—J. F. Galpine.
Editor of Transactions: C. Jones.

A copy of the Constitution of the Medical Society can be obtained from the Dean's Office.

Royal Army Medical Corps Territorial Army 49th (West Riding) Division

Medical Students are invited to join this Corps. Training is carried on throughout the year, the more active part of the drill season being from the beginning of May to the end of July.

The Annual Camp (lasting 14 days) is usually held at the end of July and the beginning of August.

Instruction is given in First Aid, nursing duties, cooking for the personnel and sick, hygiene and sanitation.

The following Units are stationed in Leeds:—
146th West Riding Field Ambulance.
6th Northern Hygiene Company.
Headquarters of Medical Services, West Riding Division.

For further information apply to the Adjutant, Royal Army Medical Corps, Harewood Barracks, Leeds.

Officers' Training Corps

This organisation was inaugurated in October, 1909. For information see the University Calendar. The object is to train students for commissions in the Special Reserve and the Territorial Force. Students should give their support to this national object.

SENIOR SCHOLARSHIPS

The MEDICAL SCHOLARSHIP (founded 1888), consists of a free ticket to the lectures and laboratory courses in the Faculty of Medicine of the University. It is awarded, after a report from the examiners, on the results of the *First* M.B. examination of the University of Leeds.

THE INFIRMARY SCHOLARSHIP

This scholarship is of the value of £68, and consists of a free ticket to the Clinical teaching in the Leeds General Infirmary. The holder is required to enter as a student for the whole medical curriculum at the University in the session following the date of examination.

The scholarship is awarded, after a report from the Examiners, on the results of the *Second* M.B. Examination of the University of Leeds.

Present Scholarship Holders

Medical Scholarship.		Leeds Infirmary Scholarship.	
1919	F. R. Curtis	1919	G. Rosenberg
1920	M. Masser	1920	M. Rabinovich
1922	A. M. Korn	1921	D. R. Allison
1923	L. Rosenhead	1922	W. Hyman
1924	L. Hoyle	1923	G. A. Dibb
1925	H. Mattison	1924	T. L. Owen
1926	N. Ross	1925	P. R. Allison
1927	B. S. Platt	1926	E. Gledhill
1928	F. Badrock	1929	N. Wood

For full particulars of all University Scholarships and for the general regulations under which Scholarships are held, see the Scholarship Prospectus. For particulars of Scholarships awarded by the Leeds City Council, apply to the Director of Education, Higher Education Department, Leeds.

PRIZES

The Littlewood Prize

The late Colonel Harry Littlewood, formerly Professor of Surgery in the University, bequeathed a legacy of £1,000 to be applied for providing a prize in the Anatomy Department, every year or in alternate years.

The prize will be awarded on the result of the examination in Anatomy for the Second M.B., Ch.B. in March of each year, provided that the candidates have attended the full course of Anatomy in this University, and that students for other qualifications who have attended the full course be permitted to compete for the prize.

Award

1927 P. R. Allison 1928 E. Gledhill. 1929 N. Wood.

The Scattergood Prize

This prize, instituted in memory of the first Dean of the Medical Department, Yorkshire College, is awarded annually on a competition in Obstetrics and Gynæcology

held in February. The value of the prize, which consists of books or instruments, is five pounds. For particulars apply to the Dean.

AWARD

1926 W. D. Bedford 1927 F. L. A. Hughes 1928 V. P. Squire
1929 F. R. Beetham

The Thorp Scholarship in Forensic Medicine and Hygiene

The Thorp prizes, instituted by the late Dr. Disney L. Thorp, one of the founders of the School, are now awarded as one annual Scholarship of about £25 to a student or graduate of the University prepared to carry out some research work in some subject bearing upon Forensic Medicine or Public Health. For particulars apply to the Dean.

The Hardwick Prize in Clinical Medicine

The Hardwick Prize in Clinical Medicine, of the value of ten pounds, is given annually on a competition which is held in February. Candidates must have been students in the School of Medicine of the University for not less than eight terms ; they must be attending the medical practice of the Leeds General Infirmary ; and they must have held or be then holding the office of clinical clerk in that Institution.

AWARD

1926 S. J Hartfall 1927 A. B. Pain 1928 Esther M. Killick
1929 P. E. Glynn

The McGill Prize in Clinical Surgery

The McGill Prize in Clinical Surgery, value £10, is given annually on a competition which takes place in February. The prize is given for proficiency in the study and practice of Clinical Surgery as determined by

1. Case-taking.
2. A written examination.
3. A *viva voce* examination.

Candidates must be students in the School of Medicine of the University of Leeds, who have not at the time of the examination entered on their sixth year, and who have held the following clinical appointments at the Infirmary:—

1. In-patient dresser.
2. In-patient medical clerk.
3. Post-mortem clerk.
4. Ophthalmic dresser.
5. Gynæcological dresser.

For further particulars apply to the Clinical Sub-Dean.

AWARD

1926	...	No award
1927	...	A. B. Pain D. W. Currie
1928	...	No award
1929	...	No award

Edward Ward Memorial Prize in Surgical Anatomy

The Edward Ward Memorial Prize in Surgical Anatomy of the value of £5 is awarded annually on a competition held under the following conditions:—

The Examiners for this Prize will be the Heads of the Departments of Anatomy and Surgery, and one of the Clinical Lecturers in Surgery to be appointed by the Board of the Faculty.

The examinations will be held in the month of March in the week preceding the Final examination, and will consist of (*a*) a written paper, (*b*) *viva voce* examination on the living subject and (*c*) dissections.

Students are eligible irrespective of the qualifications for which they are working, and must be in their Final year (normally fifth year) but due allowance will be made for those whose course has been extended by extra courses for the B.Sc., Primary Fellowship, or other reason satisfactory to the Board.

AWARD

1926	...	D. W. Currie
1927	...	W. Hyman
1928	..	V. P. Squire
1929	...	P. E. Glynn

William Hey Medal

The sum of £200 has been invested with a view of providing a gold medal for the most distinguished graduate with first-class Honours in the M.B., Ch.B. list of the Calendar year.

The award will be made by the Examination Committee in September on:—

(*a*) The results of the Final M.B. (Part III) examinations held in March and September of the same year. Previous examinations, Second M.B. and Final M.B. (Parts I and II), will also be taken into consideration.

(*b*) A consideration of the student's general standing, record and character. The successful student must have displayed qualities of such an order as to entitle to special distinction.

In cases when there was no award in any year, and provided the income admits, and more than one student in any one year shows special distinction, two medals may be awarded.

AWARDS

1920	H. H. Gleave	1924	Marjorie E. Knowles
1921	G. Armitage	1925	No award
	D. Chamberlain	1926	No award
1922	No Award	1927	No award
1923	G. F. Walker	1928	D. W. Currie

West Riding Panel Practitioners' Prize

The prize is awarded annually on the result (in Medicine only), of the Final M.B., Ch.B. examinations of the same year, provided that students who are working for other qualifications and are otherwise eligible be allowed to compete, and provided that the candidate obtaining the highest number of marks is deemed by the examiners to have attained a standard worthy of the award. Candidates must have received their clinical training wholly in the Leeds General Infirmary and will not be eligible to compete after three years from the date of passing the second M.B. or equivalent examination, excluding time occupied in working for a Final B.Sc. or Primary F.R.C.S. examination.

AWARD

1923	M. Cohen	1926	S. J. Hartfall and H. G. Garland
1924	Marjorie E. Knowles	1927	D. W. Currie
1925	D. R. Allison	1928	T. L. Owen.

APPOINTMENTS FOR SENIOR STUDENTS IN THE SCHOOL OF MEDICINE

Prosectors

Three Prosectors are selected annually from the senior students, to prepare museum specimens, diagrams and dissections for demonstration purposes, under the direction of the Professor of Anatomy.

Student Assistants in the Physiology Laboratory

One or more senior students are selected from time to time to assist in the Physiology Laboratory.

Student Assistants in the Pathology and Bacteriology Laboratories

One or more senior students are selected from time to time to assist in the Pathology Laboratories and in preparing specimens for the Museum.

APPOINTMENTS AT INSTITUTIONS CONNECTED WITH THE SCHOOL

At the General Infirmary at Leeds

(For particulars, see the Infirmary Section of the Medical Prospectus).

At the Leeds Public Dispensary

Four Resident Medical Officers are elected from time to time, as vacancies arise.

Clinical Assistants in the Out-patient Department are appointed by the Board on the recommendation of the Medical Faculty.

At the Leeds Maternity Hospital

Obstetric Tutor and Resident Medical Officer, salary £300 a year. Assistant Resident Medical Officer, unpaid. Board, apartments and washing are provided for both officers.

At the Leeds City Fever Hospitals

Two resident appointments, a senior at £400 a year, and a junior, tenable for 6 months, at £250 a year, in each case with board, apartments and washing. Applications to the Medical Superintendent.

At the Hospital for Women and Children at Leeds

House Surgeons, Anæsthetists and Clinical Assistants (see under "Hospital Practice" in subsequent pages).

At the West Riding Mental Hospital

Resident Clinical Assistants may be appointed for periods of not less than one month during the fourth or fifth term of their Medical curriculum, and receive board and lodging in return for their services. The duties mainly consist in visiting the wards, recording cases and assisting at autopsies, under the direction of the permanent Medical Staff. Every opportunity is afforded in the Laboratories for the prosecution of Pathological work. Applications to Professor J. Shaw Bolton, Medical Director at the Hospital.

Temporary or permanent members of the Medical Staff of the Institution receive the systematic training required for the Diploma in Psychological Medicine.

HOSPITAL PRACTICE

Leeds General Infirmary

The medical and surgical practice required by medical students is taken at this Institution, which offers abundant opportunities for clinical study. Situated in the centre of a densely populated manufacturing and mining district, and drawing patients also from a wide surrounding area, its wards present an ample field for the study of diseases and injuries. The concentration of medical, surgical, gynæcological, ophthalmic, aural, children's and venereal and skin diseases in one hospital leads to much economy in time and labour to the student.

The nature of the work done in the Leeds Infirmary makes the clerkships and dresserships of great value, and the resident appointments involve so much practical work and personal responsibility as to give the holders a very varied and valuable experience. A full account of the arrangements for clinical teaching, and of the appointments[1] offered to students, will be found in the Infirmary Section of the Medical Prospectus.

The Leeds Public Dispensary

About 21,000 Medical and Surgical cases are treated annually, partly as out-patients, and partly at their own homes. There are one Senior and three Junior Resident Medical Officers.

There are 2 wards containing 20 beds for surgical cases.

The practice of the Dispensary is open to any student on application to one of the Honorary Staff.

Leeds City Fever and Small Pox Hospitals

Students are admitted at the Leeds City Hospitals (Medical Superintendent, Dr. J. S. Anderson) on having obtained sanction from the Dean of the Faculty of Medicine of the University of Leeds, subject to such regulations as may be made from time to time by the Leeds City Council.

[1]Enquiries relating to attendance at the Infirmary should be made (through the Dean's Office) to the Clinical Sub-Dean (Dr. Vining), 31, Park Square.

Students must abide by the rules laid down as to disinfection and other matters, and must satisfy the Corporation authorities that they are sufficiently protected against small pox by vaccination.

Courses lasting two months are held in each term on two afternoons in each week.

At the Small Pox Hospital a minimum period of one week's residence may be required, with payment in advance of 12s. a week for board and lodging.

The hospitals are not open to students during April, August or September. Clinical lectures and demonstrations on infectious diseases will be given by the Medical Superintendent of the hospitals, and the attendance of students at these lectures and on the practice *must be completed during the term for which they enter.*

Special courses are held for post-graduate students taking D.P.H. courses.

Those desirous of attending the practice outside the ordinary classes or clinical instruction, and not requiring a certificate of attendance, must apply for permission to the Medical Officer of Health of the City of Leeds, at his office, 12, Market Buildings, Vicar Lane, between the hours of 10 and 11 a.m.

Hospital for Women and Children at Leeds

The wards contain 50 beds for the treatment of gynæcological and obstetric diseases. Students are eligible to attend the practice of the hospital in accordance with the University regulations. Two resident House Surgeons, who must be legally qualified, are appointed for periods of six months, with a salary at the rate of £50 per annum with board. Two Anæsthetists, who must be legally qualified, are appointed annually. Each receives an honorarium of £20 per annum. Honorary Clinical Assistants are also appointed by the Honorary Staff. These appointments are specially valuable to those wishing to do post-graduate work in gynæcology.

Leeds Maternity Hospital

The Maternity Hospital is attached to the University of Leeds for the purposes of clinical training in Obstetrics. There are 70 beds for cases of labour, and others for the treatment of morbid pregnancy. There is also an out-patient department and large extern districts.

During last year 1,944 in-patients were treated and a similar number attended in the districts.

Every student is required to take an Obstetric clerkship for three months including attendance in the intern department of the Lying-in-Hospital, and extern attendance on cases in the district. During the second and third months personal conduct of not less than twenty cases of labour is required.

Students when attending the Fever Hospital are not allowed to act as maternity clerks.

Students work under the immediate supervision of the Resident Medical Officer and University Tutor in Obstetrics subject to the control of the Honorary Medical Staff.

West Riding Mental Hospital, Wakefield

This Institution, which accommodates 2,250 patients, offers unusual advantages to those who desire to make themselves conversant with the treatment and management of the insane. A separate building, containing 330 beds, has been provided for the treatment of acute insanity; and 70 imbecile and idiot children are accommodated in a separate home in which they obtain special training and suitable education. Clinical lectures and demonstrations are given at the hospital by Professor J. Shaw Bolton, Medical Director, in connection with the systematic lectures on Insanity, delivered at the School of Medicine. Clinical clerkships in the wards and laboratories may be obtained for limited periods by qualified medical men and women or by senior students on application to the Medical Director. Such clinical clerks are provided with free board and lodging, and, in return for their services, receive special instruction in Psychiatry and in the morbid anatomy of Mental Disease. Temporary or permanent members of the Medical Staff of the Institution receive the systematic training required for the Diploma in Psychological Medicine.

LECTURES AND CLASSES

HELD IN THE UNIVERSITY ROAD BUILDINGS OF THE UNIVERSITY

Physics

Introductory Course

It is very desirable that students taking this course should have an elementary knowledge of Algebra, Trigonometry and Mechanics.

The following subjects will be treated in an elementary manner, illustrated by experiments: Electricity, Magnetism, Sound, Light, Heat, and Properties of Matter.

Suitable text books will be recommended by the lecturer.

The course, which extends over the first and second terms, will consist of lectures on Monday, Wednesday and Friday, 10 to 11 a.m., and on Tuesday, 2 to 3 p.m., and of laboratory work on Wednesday, 11 a.m. to 1 p.m., and on Saturday, 10 a.m. to 12 noon.

Inorganic Chemistry

I. First M.B.

This course will consist of lectures on Monday, Thursday and Friday, at 2 p.m. during the first and second terms.

II. Practical Chemistry

During the first and second terms, on Monday, 12 to 1 and 3 to 5; and Thursday and Friday, 3 to 5.

III. Organic Chemistry

During the first and second terms of the second year on Thursday, 2 to 5 p.m., Friday, 12 noon to 1 p.m. and 2 to 5 p.m., and Saturday, 9 a.m. to 1 p.m. The course will consist of lectures on Friday at 12 noon, and Saturday at 9 a.m., and practical work for the remainder of the allotted period.

(*Class III. is suitable for the examination in Organic Chemistry for the London M.B.*)

IV. Sanitary Chemistry (D.P.H.)

This will be held in the Chemical Laboratory, University Road, on two days per week (Tuesday and Thursday) during the first and part of the second term from 2 to 5 p.m. It will include practical instruction or demonstrations in the examination of water, air, and foods; in the properties of gases, and the laws of heat.

SYLLABUS

Water.—Qualitative examination, quantitative examination, estimation of free and albuminoid ammonia, oxygen consumption, chlorides, nitrates and nitrites, total solids, temporary and permanent hardness, metallic impurities.

Air.—Qualitative examination of foreign gases, quantitative determination of carbon dioxide.

Food.—Qualitative or quantitative examination of milk, butter, tea, coffee, sugar, alcoholic beverages.

The Properties of Gases.—Expansion, weight, pressure, diffusion. Ventilation.

The Laws of Heat.—Expansion of liquids and solids, temperature, latent and specific heat, liquefaction, evaporation and ebullition, radiant heat.

Zoology and Botany

Medical Students preparing for the First Examination of the University of Leeds or other Licensing Body take the full courses specified in the Calendar.

Lectures on Zoology during the session on Monday and Friday at 11 a.m. Practical work in the Zoological Laboratory throughout the session on Tuesday and Thursday mornings (11 to 1). Lectures on Special Zoology on Mondays and Fridays at 12 noon to 1 p.m. throughout the session, together with 2 hours practical work to be arranged, Lectures and practical work on Botany during the third term only on Monday, 12 noon to 1 p.m., Tuesday, 2 to 5 p.m., Wednesday, 10 a.m to 1 p.m., and Thursday, 2 to 5 p.m.

Each student will be required to provide himself with a microscope suitable also for his subsequent studies, a dissecting case, a biological drawing book and some simple instruments for microscopic work.

First M.B. students can obtain the loan of microscopes for their courses in both Zoology and Botany at the rate of 15s. each per session.

These fees must be paid in advance to the Accountant immediately after the student has arranged with the Laboratory Steward for the loan of a microscope.

A short course in Parasitology and Medical Entomology for D.P.H. students is held in the first term. For details see under department of Pathology and Bacteriology.

Meteorology and Climatology (D.P.H.)

Second half of second term, Tuesdays and Fridays 3—5 p.m.

The course will consist of lectures and practical work.

The composition of the Atmosphere.

General circulation of the Atmosphere.—Causes and Effects.—Isobars.

The moisture of the Atmosphere.—Humidity.—Cloudiness and Precipitation.

Temperature.—Influence of Land and Water upon the Distribution of Temperature.—Isotherms

Factors controlling the weather conditions over the British Isles.

Instruments.—Barometers, Thermometers, Hygrometers, Anemometers, Rain Gauges, Sunshine Recorders.

The making and interpretation of Weather Charts.

During the course visits will be made to the University Observatory for the purpose of giving instruction in the actual use of meteorological instruments.

Course in Sanitary Engineering, Building Construction, &c. (D.P.H.)

Second term, Saturdays 9-30 to 11 a.m.

Classification of Domestic and Other Buildings according to their uses, construction, and general considerations as to the arrangement of Houses in Groups. Effect of

Surroundings of the House, Open Spaces and Recreation Grounds, with examples from Town Planning Schemes.

Construction of buildings in detail, foundations, walls, roofs, floors, and ceilings, with the various methods of construction and materials used from the sanitary point of view. Drainage, Ventilation, and Heating of Buildings, including the Sanitary Fittings within the House.

General Principles of Water Supply to Districts, Towns and Houses. Quantities required. Sources of water supply from streams, rivers, wells and bore holes. Methods of estimating the yield, collection, storage, distribution, purification and sterilisation. House fittings and arrangements for hot and cold water.

Drainage of districts and towns. Consideration of the general scheme of the works from the house to the final effluent from the sewage works. Design and construction of drainage and sewerage works from the sanitary point of view. Methods of sewage disposal by irrigation, precipitation, filtration on bacteria beds, and the methods involving the use of activated sludge and bio-aeration of sewage.

House refuse and Street Refuse, its disposal by means of refuse destructors. Construction of roads and footpaths from the sanitary point of view.

To facilitate the study of the subject, models will be used where possible, with lantern slides and diagrams and visits to typical works will be arranged when time permits.

TEXT BOOK

Practical Sanitation, George Reid, M.D., 8s. 6d. (as an introduction to the subject).

Courses in Psychology for the Diploma in Psychological Medicine

A course in General Psychology is given in the Department of Education, University Road, on one day per week during the second term.

A course in Experimental Psychology is given in the same Department on one day a week during the first term.

HELD IN THE BUILDINGS OF THE SCHOOL OF MEDICINE OF THE UNIVERSITY IN THORESBY PLACE

Anatomy

Descriptive and Systematic Anatomy

The course extends over six terms.

(*a*) The introductory course is held in the summer term of the first year (osteology).

(*b*) The general course is held throughout the three terms of the second year and the first and second terms of the third year. To promote the association of study of form and function, the course deals first with the organs of abdomen and thorax, central nervous system and sense organs and human embryology. Special arrangements are made for students who cannot attend the introductory course in the first summer.

Practical Anatomy

The dissecting room is open during the session from 9 a.m. to 5 p.m. (Saturday to 12.30 p.m.) and in vacations except the month of August. Students are required to submit their work for examination and record in order to obtain certification that the whole body has been dissected satisfactorily. Demonstrators are in daily attendance and tutorial classes. Special classes are held for the Primary F.R.C.S. The rooms are only open to students who have entered for courses or paid fees for the use of the room and to students of the School who have passed the second professional and are reading for the Final examination.

Applied Anatomy

The class meets on Monday and Thursday at noon in the Anatomy theatre during the first and third terms. It is intended for senior students and qualified practitioners and is arranged to take place in the terms preceding Final examination but may be attended or repeated as the student's time-table permits.

Course for the Diploma in Psychological Medicine

A course in the development, anatomy and histology of the nervous system is given in the first term on Tuesdays and Thursdays.

Physiology

The courses in Physiology form part of the courses for the degrees of B.Sc., M.B., B.Ch.D., and L.D.S.

I. Elementary Course in Physiology

The elementary course in Physiology is specially devoted to the needs of Dental Diploma students.

Lectures.

First, Second and Third Terms: Monday, Wednesday and Friday, 9 a.m.

Practicals.

First Term: Bio-Chemistry, Tuesday, 10 a.m.; Histology, Wednesday, 10 a.m.

Second Term: Histology, Monday, 10 a.m.: Bio-chemistry, Tuesday, 10 a.m.

Third Term: Experimental, Thursday, 10 a.m.: Human Physiology, Wednesday, 10 a.m.

II. General and Senior Course

The complete course occupies six terms.

(*a*) Introductory Lectures:—
Third term, First year: Monday, 2 p.m.

(*b*) General Lectures:—
First term, Second year: Tuesday and Thursday, 9.15 a.m.
Second term, Tuesday and Thursday, 9.15 a.m., Wednesday, 12 noon; Third Term, Second Year: Tuesday, Thursday and Saturday, 9.15 a.m.

(*c*) Senior Lectures:—
First and Second terms, Third year: Monday. Wednesday and Friday, 9.15 a.m.

(*d*) Introductory Practical Course :—
Third term, First year : General Physiology, Monday, 2 p.m.

(*e*) General Practical Course :—
First term, Second year : Biochemistry, Tuesday or Thursday, 10 a.m. ; Histology, Wednesday, 10 a.m.
Second term : Experimental : Monday and Tuesday, 2 p.m. or Tuesday and Wednesday, 10 a.m. : Histology, Monday, 10 a.m.
Third term : Experimental, Monday or Friday, 2 p.m. : Human, Wednesday, 10 a.m. or 2 p.m. : Histology, Saturday, 10 a.m.

(*f*) Senior Practical Course :—
First term, Third year : Human, Monday and Tuesday, 10 a.m. or 2 p.m. : Biochemistry, Monday and Tuesday, 2 p.m. or Monday, 10 a.m., and Thursday, 2 p.m. : Histology, Thursday, 10 a.m.
Second term, Third year : Biochemistry, Monday or Tuesday, 10 a.m. : Human, Wednesday, 2 p.m. or Thursday, 10 a.m.

During the third term of the second year and the first and second terms of the third year students will be required to attend a tutorial class for one hour per week.

III. Revision Classes

Revision classes are held each term at times to be arranged.

IV. Applied Physiology

A course of lectures and practical work on Human Physiology and its application forms part of the general and senior courses in Physiology.

V. Advanced Physiology

A course of advanced lectures and practical work for students taking the Honours degree of B.Sc. is held throughout the year ; for details consult Calendar.

VI. Bio-Chemistry

A course of advanced lectures will be given throughout the year ; 1 hour per week, at times to be arranged.

VII. Comparative Physiology

A course of lectures and practical work will be given at times to be arranged.

VIII. Pharmacology

A course of lectures and practical work, covering one hour each week from 12 noon to 1 p.m., will be given during the first and second years of the clinical period.

Including introductory lectures they will be held on Mondays for two terms, Tuesdays for three terms, and Thursdays during the remaining term.

Special demonstrations will be given at times to be arranged.

IX. Course for Primary Fellowship Examination

A special course in Physiology will be given if required.

X. Course for the Diploma in Psychological Medicine

A course in the physiology of the nervous system is given on two afternoons a week during the first term; and a course in the physiology of the organs of special sense for a like period during the second term.

XI. Research in Physiology

Students or others desiring to pursue, or to assist in, original investigations in Physiology will be admitted to the laboratories throughout the year by arrangement with the Professor. They will be personally responsible that the apparatus they employ is not broken or misused.

Apparatus

Students are required to provide themselves with :—

(*a*) A good microscope, with $\frac{2}{3}''$ and $\frac{1}{6}''$ objectives. The Professor will be glad to assist students in the choice of an instrument. Students will not be allowed to attend the class unless provided with a suitable instrument.

(*b*) Accessories : scissors, forceps, needles in handles, slides and coverglasses, etc.

No apparatus may be removed from the Laboratory without the permission of the Professor, and then only on furnishing a written receipt.

The workshop is private and not to be used without permission.

Pathology and Bacteriology

The principal courses for medical students (I, II and III) extend over the first and second clinical years, and in addition there is a short course in clinical pathology (IV) in the third clinical year. Each course comprises both lectures and practical work. For Courses I, II, III, IV, VI, and VII students must be provided with a good microscope, having an oil immersion lens and substage condenser.

I. General Pathology

First term of first clinical year : Tuesday. Wednesday and Friday from 12 noon to 1 p.m.

Second term of first clinical year : Monday and Thursday, from 12 noon to 1 p.m.

The subjects dealt with are the vascular disturbances, the retrogressive tissue changes, inflammation and repair, atrophy, hypertrophy and new growth, and the pathology of animal parasitism.

Each student is supplied with a series of illustrative microscopic preparations for which a small charge, sufficient to cover the cost of materials, is made. Students must provide their own slide boxes, which should be large enough to take a gross of slides. This box will take also the preparations made in the course in Bacteriology.

II. Bacteriology and Immunology

Third term of first clinical year : Tuesday, Wednesday and Friday, from 12 noon to 1 p.m., and Thursday, from 2 to 5 p.m.

This course starts with a general survey of the morphology, classification, nutrition, multiplication and death of bacteria ; and of their rôle in nature. After this the phenomena of immunity are discussed and the different groups of bacteria important in the causation of disease. The pathogenic protozoa and fungi, the rôle of insect vectors of disease, and finally the present state of knowledge with regard to the production of disease by filter-passing viruses are considered.

The practical part of the course includes the observation of bacteria by means of cultivation and the microscope and the demonstration of the phenomena of immunity, on which the various diagnostic, prophylactic and curative applications of bacteriology are based.

Students who commence their clinical work in April take Course II. first: those who start in October Course I.

III. Special Pathology

First term of second clinical year: Monday and Thursday from 12 noon to 1 p.m.

Second term of second clinical year: Tuesday, Wednesday and Friday from 12 noon to 1 p.m.

The subject-matter of this course includes the pathology of the principal infective diseases and the special pathology of the various systems of the body.

A loan-collection of slides is supplied to each student at the beginning of this course on payment of a deposit of £1. All boxes of slides must be returned in good order not later than the 15th September following the date of issue, when the deposit money, less any charges for breakages, will be refunded.

IV. Clinical Pathology

Third term of third clinical year: Monday and Friday from 4 to 5 p.m.

In this course the clinical applications of pathology (including chemical pathology and bacteriology) to the diagnosis of disease are considered in greater detail.

V. Tutorial Classes in Medical, Surgical and General Pathology

will be held by Dr. Burrow, Mr. Richardson and Demonstrators as may be arranged from time to time.

VI. Pathology and Bacteriology for Dental Students

This course, comprising both lectures and practical work, is held on Mondays and Thursdays during the first and second terms, from 2 to 3.30 p.m. Two thirds of the course is devoted to general pathology and bacteriology, one third to special dental pathology and bacteriology.

VII. Bacteriology and Parasitology for the Diploma in Public Health

This course is drawn up in accordance with the regulations of the University for the Diploma in Public Health. In the first term instruction in medical entomology and parasitology is given from 10.15 a.m. to 12.15 p.m. on Saturdays, in the Department of Zoology at University Road. The remainder of the course is held in the Medical School in the first and second terms from 2 to 5 p.m. on Mondays, Wednesdays and Fridays.

SYLLABUS.

A Course in Department of Zoology. (First term).

1. Helminthology.

General morphology and bionomics of tremotodes, cestodes and nematodes. Distribution and control.

Diagnosis, prophylaxis and treatment of helminthic infections: the schistosomiases, filarial infections, ankylostomiasis, etc., Minor helminthic infections.

2. Medical Entomology.

(*a*) General morphology, bionomics and classification of insects injurious to man.

Blood-sucking and non-blood-sucking flies, bugs, fleas and lice.

The distribution, control and extermination of insect pests, in particular the transmitters of malaria, yellow fever, filariasis, relapsing fever, the trypanosomiases, plague, typhus, etc.

(*b*) Morphology and bionomics of mites and ticks, their distribution and relation to transmission of disease.

B Course in Department of Pathology and Bacteriology.

(1) First term.

(*a*) Bacterial morphology. The use of the microscope.
(*b*) Theoretical and practical aspects of the cultivation of bacteria.
(*c*) Bacterial metabolism.
(*d*) Bacteria of soil, water and air.
(*e*) Bacterial decomposition of food stuffs.
(*f*) Phenomena of immunity and methods of observation of disease in experimental animals.

(2) Second term.

Systematic study of all the more important pathogenic bacteria and protozoa and their connection with disease.

Each student must be provided with a microscope approved by the Professor. The microscope must have an oil immersion lens and substage condenser.

VIII. Neuropathology for the Diploma in Psychological Medicine

A course in the pathology of the nervous system is given on one afternoon per week during the third term. The course comprises both lectures and practical work.

SYLLABUS.

General pathology of the nerve cell and fibre, and of the glia cell.

The cerebrospinal fluid in relation to disease processes.

Pathological aspects of the more important diseases of the nervous system.

IX. Bacteriology for Science Students

A. Elementary course.

This course is held during the second term on Mondays, Wednesdays and Fridays, from 2 to 5 p.m. Each meeting includes a lecture and practical work.

SYLLABUS.

The first half of the course is combined with that for the D.P.H., items *a, b, c. d.*

The second half includes an elementary discussion of the phenomena of immunity and a systematic study of bacteria based on their metabolic and morphological characteristics.

In addition to serving as an introduction for those who wish to study bacteriology for the purposes of a degree in pure science, this course is intended for students of chemistry and technology. It should give the latter a grasp of bacteriological technique and sufficient knowledge of bacterial activities to encourage them in applying bacteriological methods to their special problems when occasion arises.

B. Honours course.

This course will extend through the three terms at hours to be arranged.

The subjects treated will be :—

I. Bacteriological technique.
II. Bacterial metabolism.
III. Immunity and experimental bacteriology.

X. The Laboratories of Pathology and Bacteriology

The laboratory facilities of the Department of Pathology and Bacteriology are available for research work by arrangement with the Professor concerned. The fees are

on the same scale as in other laboratories of the University.

In this Department the pathological and bacteriological work required by the City of Leeds, the General Infirmary at Leeds, and other bodies, is carried out.

Principles and Practice of Medicine

Instruction is given as follows :—

1. Lecture courses, general and special.
   - (*a*) Introductory and general—summer term, 9.0 a.m.
   - (*b*) General Medicine, Dietetics and Metabolic Medicine. First winter term, 9.0 a.m.
   - (*c*) Clinical lectures on selected subjects. Second winter term, 9.0 a.m. (Professor of Clinical Medicine).
   - (*d*) Lecture courses on special subjects. Second winter term, 4.0 p.m.

   (*For time-table details see later pages*).

2. Instruction by Medical Tutor.
   - (*a*) Special tutorial classes with instruction in laboratory tests and examinations.
   - (*b*) Training in physical diagnosis in the Wards.
   - (*c*) Revision classes.

3. Ward and out-patient teaching by the Honorary Staff in :—
   - (*a*) General Medicine.
   - (*b*) Diseases of Infancy and Childhood.
   - (*c*) Dermatology and Venereal Diseases.

4. Receiving room. Instruction by the Medical Receiving Room Officer is given in minor medical and emergency cases.

5. Medical Radiology and Electro-therapeutics.
   - (*a*) Lecture courses during the first and third terms, 4.0 p.m.
   - (*b*) Practical demonstrations by the Departmental Officers.

   (*For time-table details see later pages*).

Clinical Neurology for the Diploma in Psychological Medicine

This course is given on one day per week during the first and second terms.

Diseases of Infancy and Childhood

During the first term of the second clinical year students will attend a course of lectures in this subject, held on Mondays and Wednesdays, at 4.0 p.m. The lectures should be attended previous to holding the clerkship in the Children's Department :—

The principles of infant feeding and the care and welfare of young children.

The diseases of the new born.

The digestive and nutritional diseases of children.

The common diseases in connection with the respiratory, urinary and muscular systems.

The nervous child and the diseases of nervous children.

The common diseases of the skin as seen during childhood.

The infective diseases especially in connection with syphilis, tuberculosis, rheumatism and pneumococcal infections.

The common infectious diseases—whooping cough, measles, etc.

The anæmias and blood disorders of childhood.

Pharmacology

See page 52.

Pharmacy

In July at hours to be arranged.

Materia Medica.—Sources, preparation, physical characters, pharmacopœial combinations, tests, doses and general uses of the principal official drugs.

Practical Pharmacy.—General pharmaceutical processes; prescriptions; weights and measures; the compounding of a large series of typical prescriptions, including mixtures, pills, powders, cachets, emulsions, lotions, plasters, ointments, &c. The best methods of dispensing the principal drugs. Incompatibility. Tests for detection of impurities in pharmacopœial preparations and chemicals.

The first hour is given to demonstration and tutorial teaching in materia medica, the remaining time being devoted to practical pharmacy.

Therapeutics

Mondays, Wednesdays and Fridays at 4 p.m., during the Second term of the third clinical year.

The course will include consideration of (*a*) the general principles of the treatment of disease; (*b*) the physiological and therapeutical action of drugs and the mode of their administration; (*c*) the use of remedial measures other than drugs, including heat, cold, massage, electricity, climatic and dietetic treatment, and will be illustrated by practical demonstrations.

Surgery and Clinical and Practical Surgery

The demonstrations in surgical subjects will be given by the Assistant Surgeons of the Infirmary on Tuesdays and Fridays in the second and third terms at 9 to 10 a.m.

These lectures are supplemented by:

(*a*) Preliminary instruction and recapitulatory classes by the surgical tutors.

(*b*) Practical demonstrations by the Assistant Surgeons in conjunction with the Medical Staff of the Infirmary and the Radiographer.

(*c*) Instruction by the Staff Surgeons in—

(1) Ward teaching.
(2) Clinical lectures (singly or in series).
(3) Lecture Demonstrations.

(*d*) Demonstrations of operations upon the cadaver. These demonstrations are carried out in conjunction with the Departments of Anatomy, Physiology and Pathology.

Operative Surgery

Classes will be formed for the performance of operations on the dead body, under the superintendence of the lecturer at times to be arranged. As all the important operations will be done by the students, every opportunity will be given for gaining practical experience in this branch of surgery. Fee—£18 18s. divided in equal shares among a class of not more than four students.

Orthopædic Surgery

Lectures and demonstrations in Orthopædic Surgery will be given on Mondays and Fridays, during the second term at 4 p.m.

Obstetrics

Tuesdays, Thursdays and Fridays, during the First Term at 9 a.m.

The female pelvis and organs of reproduction. Menstruation, Ovulation, Fertilization, Implantation.

Pregnancy—normal and abnormal. Diseases of pregnancy. Abortion.

The fœtus membranes and placenta. Diseases of the same.

Pre-maternity work.

Labour—normal and abnormal. Mechanism and management.

Pelvic deformity.

Obstetric instruments and obstetric operations.

The puerperal state and its pathology.

The lectures will be illustrated by diagrams, models, lantern slides and pathological specimens.

The various presentations will be demonstrated on the Phantom, and practical instruction given in the use of obstetrical instruments.

Tutorial classes are also held from time to time for students preparing for their final examinations.

The necessary facilities for clinical instruction in obstetrics are given by the Leeds Maternity Hospital.

Gynæcology

Mondays, Wednesdays and Thursdays at 9 a.m. in the third term.

The course comprises :—

The structure and functions of the female reproductive organs in relation to pathology and treatment.

A general account of the causation and prevention of gynæcological disease.

The relation of gynæcological disease to the neuroses and other general diseases.

A systematic account of the various diseases peculiar to women ; their pathology, diagnosis, and treatment.

Public Health

Wednesday and Saturday, at 9 a.m. during the First Term.

Meteorology and Climatology.
Building Construction and Housing.
Water and Water Supplies.
Drainage, Sewage Disposal and Removal of Refuse.
Air, Ventilation, Heating and Lighting.
Food and Dietetics, including Milk supply.
Infectious diseases, including Tuberculosis and Venereal Disease.
Disinfection.
Maternity and Child Welfare.
Medical Inspection of School Children.
Vital Statistics.
The Law relating to Public Health.

Arrangements are made during the summer term for visits to places of public health interest. These are open to all students, and a programme is published at the beginning of the term.

N.B.—For candidates for the Diploma in Public Health, additional lectures are necessary, dealing more fully with the above subjects. When there are such students, the time of the ordinary lecture will be extended to 10.30 a.m.

Forensic Medicine

Monday, Tuesday, Thursday and Friday, at 9 a.m. during the Second Term.

The qualifications, duties, and responsibilities of medical witnesses.

Questions concerning age, sex, identity, insanity and life insurance.

Death :—Real and apparent death ; date of death ; causes of sudden and violent death ; post-mortem examinations.

Death by wounds ; by lightning, burns, cold and starvation ; by drowning, hanging, strangling and suffocation.

Rape ; pregnancy ; delivery ; the legitimacy of children ; abortion ; infanticide.

Toxicology :—General considerations respecting poisoning ; toxicological processes and the evidence of poisoning ; symptoms of special poisons and treatment.

Ophthalmology

Thursday and Friday at 9 a.m. during half of the First Term.

Method of examination of the eye. Surgical anatomy and diseases of the conjunctiva, of the eyelids, of the lacrymal apparatus, of the sclerotic, of the cornea, of the iris and ciliary body and of the lens. Glaucoma. Theory of the ophthalmoscope. Diseases of the vitreous, of the

choroid, of the retina and of the optic nerve. Diseases of the orbit. Retinoscopy. Errors of refraction and of accommodation. Affections of the ocular muscles.

Otology

Monday, Thursday and Friday at 9 a.m. during half of the first term.

Instruction is given on the more important diseases of the ear, nose and throat.

Illustrative cases will be shown and practical demonstrations given on their examination.

Mental Diseases

Systematic Lectures are given at the School of Medicine on Tuesday and Thursday at 4 p.m., and clinical lectures and demonstrations at the West Riding Mental Hospital on Wednesday at 3 p.m. during the third term.

The systematic lectures include :—

The mode of development, histological structure and functions of the cerebral cortex.

The elements of psychology.

The pathology, symptoms, medico-legal relations and treatment of mental disease.

The clinical course will embrace :—

Illustrations of the various forms of mental disease ;

Instruction in the method of examining insane persons ;

Practical demonstrations on the moral and therapeutic treatment of the Insane ; compulsory feeding, &c.

Filling up certificates of Insanity.

Class examinations.

The pathological aspects of Insanity will be freely illustrated by lantern slides, morbid specimens and microscopic preparations from the asylum museum.

Courses for the Diploma in Psychological Medicine

Candidates for this diploma are required to attend the above course of systematic lectures and clinical instruction, and in addition a special course of five lectures on morbid psychology.

Radiology and Electro-therapeutics

A short course of lectures in Radiology is given during the second term of the second clinical year on Wednesdays at 4 p.m., and in Electro-therapeutics during the first term of the third clinical year, on Fridays, at the same time.

COURSES HELD UNDER ARRANGEMENT WITH THE CITY OF LEEDS HEALTH AND OTHER AUTHORITIES

Vaccination

This instruction is given under the control of the Local Government Board at the General Infirmary at Leeds by Dr. F. W. M. Greaves, Instructor in Vaccination. Classes commence in October, February, and May, each consisting of seven meetings, six of which must be attended, and four of them consecutively, Thursdays at 2 p.m. Application to be made to the Dean. Not more than ten students can be admitted to any one class.

Infectious Diseases

(Particulars are given under "Hospital Practice" in previous pages).

Attendance at a Hospital for Infectious Diseases (for D.P.H.)

A special course is given in the Leeds City Hospitals in accordance with the requirements of the General Medical Council for the D.P.H.; this includes instruction in administration. Times of attendance to be determined by arrangement.

Instruction in Epidemiology, Vital Statistics and Sanitary Law and Administration, and Sanitary Work (for D.P.H.)

Special lectures on Epidemiology, Vital Statistics and Sanitary Law and Administration will be given in the office of the Medical Officer of Health, 12, Market Buildings, on the evenings of Monday and Thursday, from 5.30 to 7.30 p.m. during the first term. With the sanction of the Public Health Committee of the Leeds City Council, the Medical Officer of Health will arrange courses of instruction of six months duration in out-door and office sanitary work, as required by the General Medical Council, at convenient times. These courses will include

	Attendances
(*a*) Maternity and Child Welfare Service ...	6
(*b*) Health Service for Children of School Age	6
(*c*) Venereal Diseases Service	6
(*d*) Tuberculosis Services	6
(*e*) Industrial Hygiene...	—
(*f*) Inspection and Control of Foods, including meat and milk	—

TIME TABLES

(*Subject to any necessary alteration*).

FOR STUDENTS ENTERED IN OCTOBER, 1923, AND AFTER.

Lectures and Practical Classes.	Hours.					
	M.	Tu.	W.	Th.	F.	S.
NORMAL COURSE.						
FIRST YEAR.						
1st TERM.						
Inorganic Chemistry—						
Lectures	2–3	..	..	2–3	2–3	..
Practical	12–1	..	..	3–5	3–5	..
	3–5	..	..	..	..	..
Physics—Lectures	10–11	2–3	10–11	..	10–11	..
,, —Practical	..	..	11–1	..	..	10–12
Zoology—Lectures	11–12	..	..	..	11–12	..
,, —Practical	..	11–1	..	11–1	..	..
2nd TERM.						
Inorganic Chemistry—						
Lectures	2–3	..	..	2–3	2–3	..
Practical	12–1	..	..	3–5	3–5	..
Physics—Lectures	10–11	2–3	10–11	10–11	10–11	..
,, —Practical	..	..	11–1	..	..	10–12
Zoology—Lectures	11–12	..	..	..	11–12	..
,, —Practical	..	11–1	..	11–1	..	..
First M.B. Part I. Examination, March (and September).						
3rd TERM.						
Zoology—Lectures	11–12	..	..	..	11–12	..
—Practical	..	11–1	..	11–1	..	..
Botany—Lectures	12–1	..	10–1	..	..	..
,, —Practical	..	2–5	..	2–5	..	..
Introductory Anatomy	..	2–3	..	9–15	..	..
,, Physiology	9–15	..	..	..	..	..
First M.B. Part II. Examination, June (and September).						
SECOND YEAR.						
1st TERM.						
Organic Chemistry	..	..	..	2–5	12–5	9–1
Anatomy—Lectures	9–10	..	9–10	..	9–10	..
,, —Practical	10–4	2–4	2–4	..	10–12	..
Physiology—Lectures	..	9–10	..	9–10	..	..
,, —Practical	..	10–12	10–12	10–12	..	..
2nd TERM.						
Organic Chemistry	..	..	..	2–5	12–5	9–1
Anatomy—Lectures	9–10	..	9–10	..	9–10	..
,, —Practical	..	..	2–4	10–12	10–12	..
Histology—Practical	10–12	..	..	..	..	..
Physiology—Lectures	..	9–10	12–1	9–10	..	..
,, —Practical	2–4	10–4	10–12	..	..	..
Second M.B. Part I. Examination, March (and September).						

TIME TABLES

(*Subject to any necessary alterations*).

For Students Exempt from Inorganic Chemistry and Physics.

Lectures and Practical Classes.	Hours.					
	M.	Tu.	W.	Th.	F.	S.
FIRST YEAR.						
1st Term.						
Zoology—Lectures	11–12	..	..	..	11–12	..
,, —Practical	..	11–1	..	11–1	..	..
Special Zoology	12–1	..	..	..	..	..
Organic Chemistry	..	..	..	2–5	12–5	9–1
2nd Term.						
Zoology—Lectures	11–12	..	..	..	11–12	..
,, —Practical	..	11–1	..	11–1	..	..
Special Zoology	12–1	..	..	..	..	..
Organic Chemistry	..	..	..	2–5	12–5	9–1
Second M.B. Part I. Examination, March (and September).						
3rd Term.						
Zoology—Lectures	11–12	..	..	..	11–12	..
,, —Practical	..	11–1	..	11–1	..	..
Botany—Lectures	12–1	..	10–1	..	..	..
,, —Practical	..	2–5	..	2–5	..	..
Introductory Anatomy	9–30	..	9–30	..	9–30	..
,, Physiology	2–4	..	..	..	..	..
First M.B. Part II. Examination, June (and September).						
SECOND YEAR.						
1st Term.						
Anatomy—Lectures	9–10	..	9–10	..	9–10	..
,, —Practical	10–4	2–4	2–4	..	10–12	..
Physiology—Lectures	..	9–10	..	9–10	..	..
,, —Practical	..	10–12	10–12	10–12	..	..
2nd Term.						
Anatomy—Lectures	9–10	..	9–10	..	9–10	..
,, —Practical	..	..	2–4	10–1	10–12	..
Histology—Practical	10–12	..	..	..	..	..
Physiology—Lectures	..	9–10	12–1	9–10	..	..
,, —Practical	2–4	10–12 or 2–4	10–12	..	..	..

TIME TABLES—continued

FOR STUDENTS DURING PRE-CLINICAL PERIOD.

Lectures and Practical Classes.	Hours.					
	M.	Tu.	W.	Th.	F.	S.
SECOND YEAR—*contd.*						
3rd TERM.						
Anatomy—Lectures ..	9–10	..	9–10	..	9–10	..
,, —Practical ..	10–12	10–4	..	10–4	10–12	..
Histology—Practical ..	..	..	..	..	..	10–12
Physiology—Lectures ..	..	9–10	..	9–10	..	9–10
,, —Practical ..	2–4	..	10–12 or 2–4	.. ..	2–4	..
,, —Tutorial ..	Hour to be arranged.					
Materia Medica and Pharmacy	In July.					
Second M.B. Part II. Examination, September (and March).						
THIRD YEAR.						
1st TERM.						
Anatomy—Lectures ..	..	9–10	..	9–10	..	9–10
,, —Practical ..	..	..	10–4	..	10–4	10–12
Histology—Practical ..	..	..	..	10–12	..	..
Physiology—Lectures ..	9–10	..	9–10	..	9–10	..
,, —Practical ..	10–12 or 2–4	10–12 or 2–4	..	2–4	..	..
,, —Tutorial ..	Hours to be arranged.					
2nd TERM.						
Anatomy—Lectures ..	..	9–10	..	9–10	..	9–10
,, —Practical ..	2–4	2–4	10–12	..	2–4	10–12
Physiology—Lectures ..	9–10	..	9–10	..	9–10	..
,, —Practical ..	10–12	10–12	2–4	10–12	..	..
,, —Tutorial ..	Hours to be arranged.					
Second M.B. Examination, March (and September).						

TIME TABLES—continued

FOR STUDENTS DURING CLINICAL PERIOD, IN ADDITION TO INFIRMARY WORK.

Lectures and Practical Classes.	HOURS.					
	M.	Tu.	W.	Th.	F.	S.
THIRD YEAR—*contd.*						
3rd TERM.						
Pharmacology Introductory	12–1	..	..	..	..	..
Bacteriology and Immunology ..	..	12–1	12–1	2–5	12–1	..
Medicine—Introductory ..	9–10	..	..	9–10	..	..
,, —Dietetic and Metabolic ..	..	..	9–10	..	..	..
Surgery—Introductory ..	..	9–10	..	..	9–10	..
FOURTH YEAR.						
1st TERM.						
Pharmacology	12–1	..	..	..	..	..
General Pathology ..	..	12–1	12–1	..	12–1	..
Medicine	9–10	..	..	9–10	..	..
,, —Dietetic and Metabolic ..	..	..	9–10	..	..	..
2nd TERM.						
Pharmacology	..	12–1	..	..	..	..
General Pathology ..	12–1	..	..	12–1	..	..
Medicine—Clinical	..	..	9–10	..	..	..
,, —Special Subjects	..	4–5	..	4–5	..	..
Surgery	..	9–10	..	..	9–10	..
Radiology	..	..	4–5	..	..	..
3rd TERM.						
Pharmacology	..	12–1	..	..	..	..
Surgery	..	9–10	..	..	9–10	..
Gynæcology	9–10	..	9–10	9–10	..	..
Mental Diseases	..	4–5	*3–5	4–5	..	..
		*At Wakefield.				
FIFTH YEAR.						
1st TERM.						
Pharmacology	..	12–1	..	..	..	..
Special Pathology	12–1	..	..	12–1	..	..
Medicine—	9–10	..	..	9–10	..	..
,, —Dietetic and Metabolic ..	..	..	9–10	..	..	..
Obstetrics	..	9–10	..	..	9–10	9–10
Diseases of Children ..	4–5	..	4–5	..	..	..

TIME TABLES—continued

FOR STUDENTS DURING CLINICAL PERIOD, IN ADDITION TO INFIRMARY WORK.

Lectures and Practical Classes.	Hours.					
	M.	Tu.	W.	Th.	F.	S.
FIFTH YEAR—*contd.*						
2nd TERM.						
Pharmacology	..	..	..	12–1	..	..
Special Pathology	..	12–1	12–1	..	12–1	..
Medicine—Clinical	..	..	9–10	..	..	..
,, —Special Subjects	..	4–5	..	4–5	..	..
Surgery	..	9–10	..	..	9–10	..
Orthopædics	4–5	..	..	..	4–5	..
Final M.B. Part I. Examination, March (and September).						
3rd TERM.						
Applied Anatomy	12–1	..	..	12–1	..	..
Clinical Pathology	4–5	..	..	..	4–5	..
Surgery	..	9–10	..	..	9–10	..
Mental Diseases (if not previously taken)	..	4–5	*3–5	4–5	..	..
* At Wakefield.						
SIXTH YEAR.						
1st TERM.						
Applied Anatomy	12–1	..	..	12–1	..	..
Medicine	..	9–10	..	9–10	..	..
Electro-Therapeutics	..	..	..	..	4–5	..
Ophthalmology and Otology	9–10	..	..	..	9–10	..
Public Health	..	..	9–10	..	..	9–10
2nd TERM.						
Medicine—Clinical	..	..	9–10	..	..	..
,, —Special Subjects	..	4–5	..	4–5	..	..
Forensic Medicine	9–10	9–10	..	9–10	9–10	..
Therapeutics	4–5	..	4–5	..	4–5	..
Medical Pathology—Tutorials	12–1	..	..	..	..	..
Gynæcological Pathology—Tutorials	..	..	..	..	12–1	..
Surgical Pathology—Tutorials	..	..	12–1	..	..	..
Final M.B. Parts II. and III. Examination, March (and September) can be taken separately, but Part II. must be taken first.						

FEES

General Regulations

The composition fees for lecture and laboratory courses may be paid either sessionally, in advance, or (with certain exceptions) terminally by instalments. Fees paid by instalments are at a slightly higher rate than when paid in advance. The terminal instalment scales of fees are not applicable to students ordinarily resident outside the British Isles; such students must pay fees sessionally in advance.

A student ceasing, for any reason whatsoever, to attend at the University during the session has no claim to a return of fees.

A student who elects to pay composition fees by instalments and who withdraws from the University before the end of a session must pay the whole of the remaining instalments of the session's fee.

On presentation of a form signed by the Dean of the Faculty authorising attendance upon courses of study, and upon payment of the requisite fees, the Accountant will supply a class ticket entitling the student to attend such courses. This class ticket must be presented by the student, before commencing attendance, to the Professors or Lecturers whose classes or lectures he is authorised to attend.

Students are required to pay a Registration Fee of £2 when their application for admission to the University is accepted. The registration fee for students for the Diploma in Nursing is £5 5s.

Fees may be paid either in the Dean's Office, School of Medicine, or in the Students' Section, University Road. Cheques should be made payable to "The University of Leeds."

Medical Course Fees

I. Composition Fees (including Union Fees)

(i) *Fees when paid sessionally in advance.*

Course A.—(*Complete course including pre-registration course*). £255 payable in four annual instalments of £50, a fifth instalment of £40, and a final instalment of £15.

Course B.—(*For students excused Inorganic Chemistry and Physics*). £240 payable in four annual instalments of £50, and a final instalment of £40.

Course C.—(*For students excused First M.B., Ch.B. Course*). £240 payable in four annual instalments of £50, and a final instalment of £40, (except in cases of students who pursue a course for the First M.B. at Huddersfield Technical College, which is affiliated to the University, when the fee shall be £230, payable in four annual instalments of £50 and a final instalment of £30 ; or if paid in one sum £217).

Course D.—(*For students excused the First and Second M.B., Ch.B. Course and who only require the Course for the Clinical period*). £156 payable in three annual instalments of £52.

(ii) *Fees when paid by terminal instalments :—*

The composition fess for Course A, B, C or D (above) may be paid by terminal instalments (due on the first day of each term) at a rate slightly higher than when paid sessionally, *i.e.* :

	Sessional Fee of £50 (see above).	Sessional Fee of £40 (see above).
First term ..	£25 ..	£20
Second term ..	£16 ..	£13
Third term ..	£11 ..	£9

(iii) *Fees when paid in one sum at the beginning of a Medical Course :—*

Course A	£237
Course B	£225
Course C	£225
Course D	£150

Laboratory Deposit.

Students in the Departments of Physiology and Chemistry, in addition to purchasing a recognised set of apparatus, shall deposit a sum of 30s. at the beginning of their course. From this sum, 10s. shall be deducted as payment for rent of locker and the use of apparatus ; the balance of £1 being repaid to the student at the end of the course after deduction of cost of breakages, etc., in the Physiology and Chemistry Departments.

II Fees for Re-capitulatory, etc., Courses

	£	s.	d.
Anatomy (six months)	8	0	0
Physiology (six months)	14	0	0
Anatomy and Physiology (concurrently)	18	0	0
Other subjects (three months)	3	0	0

If additional courses are rendered necessary through failure in examination or unsatisfactory attendance, fees at the rates specified will be charged.

Additional Clinical Fee.

If a student exceeds the period of three years for his clinical studies, a fee of £15 shall be charged for each extension period of six months or part of six months.

III. Separate Fees (M.B., Ch.B., etc.)

	£	s.	d.
Section 1 (1st Exam.)—			
Physics, Lectures	8	0	0
Physics, Laboratory	6	0	0
Chemistry (Inorganic)	15	0	0
Zoology	14	0	0
Botany	7	10	0
Section 2 (2nd Exam.)—	£	s.	d.
Chemistry (Organic)	15	0	0
Introductory Anatomy	3	0	0
General Course Anatomy	18	0	0
Use of dissecting-Room, with tutorial instruction, during attendance on the Anatomical Course, covering six terms	18	0	0
Use of Dissecting Room (External Students)—			
One month	2	0	0
Three months	5	0	0
Physiology—			
1st term	3	0	0
General Course	18	0	0
Practicals—			
Comparative Physiology	3	0	0
Bio-Chemistry	10	0	0
Experimental Physiology	10	0	0
Human Physiology	8	0	0
Histology	8	0	0
Pharmacology—			
Lectures	3	0	0
Practicals	5	0	0
Materia Medica and Practical Pharmacy	5	0	0
Section 3 (Final Exam.)—			
Therapeutics	3	0	0
General Pathology	7	0	0
Special Pathology	7	0	0
Clinical Pathology	3	0	0

Medicine (including a second course and Clinical Medicine)			9 0 0
Surgery (including Clinical and Practical Surgery)			15 0 0
Obstetrics .. £7 0 0 Gynæcology £4 0 0	} If paid at one time		9 0 0
Forensic Medicine			8 0 0
Ophthalmology and Otology			5 0 0
Mental Diseases			5 0 0
Public Health			5 0 0
Infectious Diseases			3 10 0
Vaccination			2 10 0
Intern Maternity			3 10 0
Radiology and Electro-Therapeutics			3 0 0
Orthopædics			5 0 0
Diseases of Children			3 10 0

IV. Post-Graduate and Miscellaneous Courses

	£	s.	d.
Clinical Pathology	4	4	0
Medical Pathology	3	3	0
Surgical Pathology	3	3	0
Operative Surgery	4	14	6
Tropical Medicine	5	0	0
Intelligence Tests (for D. Psychol. Med.)	1	1	0
Anatomy, Physiology, and Pathology (for D. Psychol. Med.)	6	6	0
Clinical Neurology	3	3	0
For D.P. Health—			
†Chemistry	8	8	0
Practical Bacteriology (including Entomology)	14	14	0
Lectures in Public Health	5	5	0
Meteorology and Climatology	1	1	0
Sanitary Construction and Planning	2	2	0
Special Course at Infectious Diseases Hospital	7	7	0
Special Course in Sanitation, &c. (M.O.H., Leeds)	22	1	0
Agricultural and Technical Bacteriology (per term)	7	0	0

† A deposit fee of £2 2s. 0d. in addition to cover breakages.

V. Fees for Examinations

	For first examination.	For subsequent examination.
	£ s. d.	£ s. d.
Matriculation	2 0 0 ..	1 10 0*
Registration of an External Matriculation Certificate	2 0 0 ..	—
First M.B.	6 0 0 ..	6 0 0 ††
Second M.B.	6 0 0 ..	6 0 0 †
Final M.B.	6 0 0 ..	6 0 0 ††
Degree of Ch.M.	10 0 0 ..	10 0 0
,, on conferment ..	5 0 0 ..	—
Degree of M.D.—		
On application	10 0 0 ..	10 0 0
On conferment	5 0 0 ..	—
Diploma in Public Health—		
Part I	6 6 0 ..	6 6 0
Part II	6 6 0 ..	6 6 0
Diploma in Psychological Medicine	6 6 0 ..	3 3 0 (for each part)
Diploma in Nursing	5 5 0 ..	2 12 6 (for each part)

*A student who fails in the July examination in any year will be admitted to the September examination of the same year only on the payment of this fee.

Fees in connection with Matriculation are payable to the Secretary, Joint Matriculation Board, 315, Oxford Road, Manchester.

†In cases of re-examination in ***one subject*** only, half the fee for first examination will be charged.

The latest dates for payment of examination fees are :—

First M.B.—
In March on February 1st, 1930.
In June on March 1st, 1930.
In September on August 1st, 1930.

Second M.B.—
In March on February 1st, 1930.
In September on August 1st, 1930.

Final M.B., Diplomas in Public Health, Psychological Medicine and Nursing—
In March on February 1st, 1930.
In September on August 1st, 1930.

VI. Convocation and Parliamentary Registration

Every person admitted to a degree (other than an Honorary Degree) of this University on or after June 1st, 1926, shall, unless already a member of Convocation, be required to pay, prior to graduation, a fee of £1 which shall entitle the graduate to be registered as a member of Convocation and to have his or her name inscribed on the Parliamentary Register on attaining qualifying age.

Total Cost of Medical Education.

	£	s.	d.
Matriculation Examination and Registration Fee ..	4	0	0
Composition Fee (paid by instalments)	255	0	0
Examination Fees	18	0	0
Books, Instruments, etc.	46	0	0
Convocation Fee	1	0	0
	£324	0	0

SCHOOL OF DENTISTRY

COURSES OF STUDY

pursued by the Student of Dentistry

The Student of Dentistry can take either the Degree (B.Ch.D.) or the Diploma (L.D.S.) in Dental Surgery. He is advised to take the former, although requiring one more year of study. If he has the time at his disposal, he is strongly recommended to obtain a medical qualification as well, with a view to subsequently proceeding to the Mastership in Dental Surgery.

The normal courses for the Degree and the Diploma are set forth in the prospectus, and it will be observed that included in the courses is the necessary Pre-Registration instruction in Physics and Inorganic Chemistry. In the case of a student who, before entering the University, had already satisfied the University requirements for Pre-Registration, the courses of study would be reduced to five years and four years respectively, and there would be a slight saving of fees.

Before admission to the University, the student must have passed a preliminary examination in general education, which, in the case of the candidate for the Degree, must be the Matriculation Examination of the Joint Matriculation Board (of which Mathematics must have been a subject) or an exempting examination. For the Diploma he must have passed an examination, the standard of which must not be lower than that of a University Matriculation examination in the Faculties of Arts and Pure Science (with Mathematics as a subject) approved for the purpose by the General Medical Council.

After passing the preliminary examination in general education the student should enter his name for admission to the University with a view to commencing, in October, instruction in the subjects of the Pre-Registration examination, Physics and Inorganic Chemistry (if not previously taken at some other institution recognised by the University).

Immediately on passing the Pre-Registration examination, the student should register as a Medical and Dental Student at the offices of the General Medical Council. Forms for this purpose may be obtained from the Clerk to the Senate of the University.

The medical and surgical practice required by the regulations is carried out in the General Infirmary. Dental students can profit by following more particularly the practice of the special departments of the hospital, viz.: Throat, Ear and Eye.

Every student should make himself familiar with the examination regulations and should take care that he attends all the necessary courses of lectures, demonstrations and hospital practice in order to obtain the requisite certificates of attendance for entry to the examinations.

Students taking the examinations of other Licensing bodies must make themselves acquainted with the subjects, period of attendance, etc. necessary for such examinations, as they do not, in all cases, coincide with the University curricula.

DEGREES, COURSES OF STUDY, AND EXAMINATIONS IN DENTAL SURGERY

Ordinance

1. The Degrees in Dental Surgery shall be :
Bachelor of Dental Surgery (B.Ch.D.).
Master of Dental Surgery (M.Ch.D.).

Degree of Bachelor of Dental Surgery

2. All candidates for the degree of Bachelor of Dental Surgery are required to present certificates showing that they will have attained the age of twenty-one years on the day of graduation, and that they have attended courses of instruction approved by the University extending over not less than five years, two of such years at least having been passed in the University subsequently to the date of passing Parts I and II of the First examination, and to have completed such period of pupilage or hospital attendance, or both, as may be prescribed by the Regulations of the University.

3. Candidates for the degree of Bachelor of Dental Surgery are required to satisfy the Examiners in the several subjects of the following examinations, entitled respectively :

The Matriculation examination, or such other examination as may have been recognised by the Joint Matriculation Board of the Universities of Manchester, Liverpool, Leeds, Sheffield and Birmingham in its stead.

The First examination.

The Second examination.

The Final examination.

4. Each examination shall include practical work in the subjects offered.

5. All candidates shall be required, before presenting themselves for examination, to furnish certificates testifying that they have attended the prescribed courses of instruction in accordance with the Regulations of the University in each of the subjects which they offer, and that they have fulfilled the other requirements of the Ordinance and Regulations in respect of such examination.

Regulation Candidates for a degree in the Faculty of Medicine (M.B., Ch.B., or B.Ch.D.), except in cases specially approved by the Senate, are required to have passed in Mathematics as a subject of the Matriculation examination. The conditions of the Matriculation examination and of exemption therefrom are set forth in the Matriculation Syllabus which is issued free, and is obtainable from the Secretary, Joint Matriculation Board, 315, Oxford Road, Manchester.

First Examination

Ordinance 6. The first examination shall consist of four Parts :—

PART	I	(Pre-registration)—
		Physics.
		Inorganic Chemistry.
PART	II	Zoology.
		Botany.
PART	III	Organic Chemistry.
PART	IV	Dental Mechanics.
		Dental Metallurgy.

7. Candidates shall be allowed to pass in each part separately.

8. Candidates shall be required, before presenting themselves for Parts I, II and III of this examination, to have passed the Matriculation examination, and to have attended courses of instruction in accordance with the Regulations of the University.

9. Candidates shall be required, before presenting themselves for Part IV of this examination, to have completed two years from Matriculation, and to have attended courses of instruction in accordance with the Regulations of the University.

Regulation Candidates for the First Examination are required to furnish certificates of having attended approved courses of instruction at the University or at an institution recognised for this purpose by the University; or of having attended, at some other Institution, courses of instruction which shall be accepted by the University as equivalent.

The courses of instruction for students who have passed in Physics and Chemistry in the Matriculation examination shall be as follows :—

1. Inorganic Chemistry : lectures and laboratory work : at least six months.
2. Physics : lectures and laboratory work : at least six months.
3. Zoology : lectures and laboratory work : at least one year.
4. Botany : lectures and laboratory work : at least one term.

The examination will include laboratory work in the four subjects.

The examination (Part I) in Physics and Inorganic Chemistry will normally be held in March and the examination (Part II) in Zoology and Botany in June.

Students who have not passed in Chemistry and Physics in the Matriculation examination will be required to devote the whole of the first year to the Introductory courses in Physics, Chemistry, Zoology and Botany as prescribed for the B.Sc. degree, the course in each subject continuing throughout the session. They will take the First examination (both Parts) in June on completion of the first year's course. The examination will include laboratory work in the four subjects. Candidates may pass in each Part separately.

Candidates who have failed at the examination in March or June may be granted permission by the Senate to present themselves for a supplementary examination in September, and, if such permission be granted, may be excused such part of the supplementary examination as the Combined Examination Committee, on report from the Examination Committee concerned, may determine.

Concessions to Higher School Certificate Holders.

1. Students may be exempted by the Board of the Faculty of Medicine from the courses and

examinations in Physics and Chemistry, provided that they have passed in these subjects at a sufficiently high standard in the Higher School Certificate examination of an approved examining body. Students who receive this concession will be required to take during the first two terms of the first year a special course in Zoology in addition to the ordinary course in that subject.

2. Students who have passed the Higher School Certificate examination of an approved examining body in one or more of the following subjects: Physics, Chemistry, Zoology, Botany, and who propose to read for a Science degree in addition to the Dental degree, may take approved alternative courses in their first year, subject to the approval of the Heads of the Departments concerned.

Candidates for the First examination, Part III, are required to have attended a complete course of instruction, approved by the University, in Organic Chemistry (two terms).

Candidates for Part IV of the First examination are required to have spent two years in the Department of Dental Mechanics of a recognised Dental or General Hospital, and to have attended, during at least one year, courses approved by the University, in the subjects of the examination, namely: Dental Mechanics: lectures and laboratory work. Dental Metallurgy: lectures and laboratory work.

The First examination shall be held twice in each calendar year.

Second Examination

Ordinance

10. The subjects of the Second examination shall be:

Part I Anatomy.
Physiology.

Part II Dental Anatomy and Physiology.
Dental Materia Medica and Therapeutics.
Pharmacology.

11. Candidates may pass in each Part separately.

12. Candidates shall be required, before presenting themselves for the Second examination, to have passed the First examination, and to have attended courses of instruction in accordance with the Regulations of the University.

Candidates for the Second examination are required to have attended complete courses of instruction approved by the University in Pharmacology, one term; in Anatomy and Physiology, five terms; in Dental Anatomy and Physiology, two terms; in Dental Microscopy, one term; in Practical Histology, one term; and in Dental Materia Medica and Therapeutics, one term. The Certificates must show (1) that dissection has been practised during five terms* at least, (2) that laboratory instruction, approved by the University, has been received in Physiology. Regulation

The Second examination shall be held twice in each calendar year.

Candidates who fail to satisfy the Examiners in any subject of the examination must, before being re-admitted to examination, produce evidence of having pursued such further study as may have been required by the Examiners.

Final Examination

13. The subjects of the Final examination shall be: Ordinance

Medicine.
Surgery.
Dental Surgery (including Clinical Dental Surgery, Orthodontia, Dental Radiology and Dental Prosthesis).
Pathology and Bacteriology (including Dental Pathology and Bacteriology).

14. Candidates shall be required, before presenting themselves for the Final examination, to have passed the First examination not less than two years previously, to have passed the Second examination not less than six

* Work in vacations, if sufficient amount, is counted as one term.

months previously, and to have attended courses of instruction in accordance with the Regulations of the University.

15. The names of candidates who have satisfied the Examiners in all the subjects of the Final examination, and are recommended for degrees, shall be published as follows :—

1. Those awarded First Class Honours.
2. Those awarded Second Class Honours.
3. Those who have satisfied the Examiners.

The names shall be in alphabetical order in each case.

Regulation

Candidates for the Final examination shall be required to have attended courses of study, approved by the University, as follows :—Surgery lectures, three terms ; Special Surgery of the Mouth, six lectures ; Medicine lectures, four terms ; General Pathology and Bacteriology, two terms ; Dental Pathology and Bacteriology, one term ; Dental Surgery and Pathology lectures, two terms ; Operative Dental Surgery lectures, one term ; Demonstrations on Anæsthetics, two terms ; Dental Clinical lectures, two years ; Dental Radiology, one term ; Orthodontics lectures, one term.

Candidates shall be required to present certificates of two years Medical and Surgical practice and three years Dental practice at hospitals recognised by the University. These certificates must show that practical instruction has been received in Medicine, Surgery, and the administration of Anæsthetics. Every candidate shall be required to have acted as clerk in the medical wards and as dresser in the surgical wards of a hospital recognised by the University.

The Final examination shall be held twice in each calendar year.

Candidates who fail to satisfy the Examiners in any subject of the examination must, before being re-admitted to examination, produce evidence of having pursued such further study as may have been required by the Examiners.

Degree of Master of Dental Surgery

Ordinance

1. No candidate shall be admitted to the degree of Master of Dental Surgery unless he has received the degree of Bachelor of Dental Surgery at least one year previously, and has also obtained a registrable qualification in Medicine and Surgery.

2. The subjects of examination are:

(1) Surgery of the head and neck in relation to dental diseases and abnormalities.

(2) Dental bacteriology and pathology, including theories of immunity and vaccine-therapy.

(3) Diseases of the alimentary canal.

(4) Dental surgery, including orthodontics.

(5) Dental radiology.

The examination shall be by written papers and practical and *viva voce* examination.

3. Before presenting himself for examination every candidate must furnish certificates of attendance for six months on the clinical practice of a recognised general hospital in which opportunities for study of Subjects 1 and 3 have been given, of attendance on a course of bacteriology, qualifying for the Diploma in Public Health, and of six months' attendance on the practice of a recognised dental hospital or of having held an office of demonstrator or house surgeon in such a hospital.

DIPLOMA IN DENTAL SURGERY (L.D.S.)

REGULATIONS

Candidates for the Diploma in Dental Surgery (L.D.S.) of the University of Leeds are required to present certificates showing that they have attained the age of twenty-one years, and that they have attended courses of instruction, approved by the University, extending over not less than four years, two of which must have been spent in the University after passing the First examination, Parts I and II.

Candidates are required to satisfy the Examiners in the several subjects of the following examinations :—

1. A Preliminary examination in Arts.
2. First examination.
3. Second examination.
4. Final examination.

Preliminary Examination in Arts

The requirements of the Preliminary examination in Arts shall be fulfilled by passing an examination recognised for this purpose by the General Medical Council.*

First Examination

The first examination shall consist of four parts :—

PART I—(Pre-Registration) : Physics.
Inorganic Chemistry

PART II—Zoology.
Botany.

PART III—Organic Chemistry.

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* The conditions prescribed by the Council are :

(*a*) The standard of the examination shall not be lower than that of a University Matriculation examination in the Faculties of Arts and Pure Science.

(*b*) The certificate shall bear evidence that the candidate has passed in the following subjects : English ; Elementary Mathematics ; a Language other than English ; an Additional Subject or subjects, as required by the regulations of the particular examination, to be chosen from History, Geography, Physical Science, Natural Science, Latin, Greek, Hebrew, French, German, or other recognised language.

Further particulars may be obtained on application to THE REGISTRAR, GENERAL MEDICAL COUNCIL, 44, HALLAM STREET, PORTLAND PLACE, LONDON, W.

PART IV—Dental Mechanics.
Dental Metallurgy.

Candidates may pass in each Part separately.

Candidates, before presenting themselves for the First examination, are required to furnish certificates of having attended courses of instruction in accordance with the Regulations of the University, and to have passed the Preliminary examination in Arts.

The names of candidates who have satisfied the Examiners in any part of the First examination shall be published in alphabetical order.

Candidates for the First examination are required to furnish certificates of having attended approved courses of instruction at the University or at an institution recognised for this purpose, by the University; or of having attended, at some other institution, courses of instruction which shall be accepted by the University as equivalent.

The courses of instruction for the First examination, Parts I and II, shall be as follows:—

1. Inorganic Chemistry: lectures and laboratory work: at least six months.
2. Physics: lectures and laboratory work: at least six months.
3. Zoology: lectures and laboratory work: at least one year.
4. Botany: lectures and laboratory work: at least one term.

The examination will include laboratory work in the four subjects. Candidates may pass in each Part separately.

(*a*) Students who have passed in Chemistry and Physics in the Matriculation (or exempting) examination will take the normal course.

(*b*) Students who have passed in Chemistry and Physics in the Higher School Certificate examination are exempted from the courses and examinations in Inorganic Chemistry and Physics and will take a modified course.

(*c*) Students who have not passed in Chemistry and Physics in the Matriculation (or exempting) examination will be required to spend the whole of the first year in the Introductory courses of Chemistry, Physics, Zoology and Botany, and to pass an examination in these subjects.

Candidates for the First examination, Part III, are required to have attended a complete course of instruction, approved by the University, in Organic Chemistry (two terms).

Candidates for Part IV of the First examination shall be required to have spent two years in the Department of Dental Mechanics of a recognised Dental or General Hospital, or one year in such Department in the event of their having completed not less than two years in pupilage to a registered dentist, and to have attended, during at least one year, courses approved by the University, in the subjects of the examination, namely: Dental Mechanics: lectures and laboratory work; Dental Metallurgy: lectures and laboratory work.

The First examination shall be held twice in each calendar year.

Second Examination

The Second examination shall consist of two Parts :—

PART I—Anatomy.
Physiology.

PART II—Dental Anatomy and Physiology.
Dental Materia Medica and Thereapeutics.

Candidates may pass in each Part separately.

Candidates, before presenting themselves for the Second examination, are required to have passed the First examination, and to have attended courses of instruction recognised by the University, as follows: Pharmacology, one term; Anatomy lectures, three terms; Practical Anatomy, three terms; Physiology lectures, three terms; Practical Physiology, two terms; Dental Anatomy and Physiology lectures, two terms; Practical Dental Histology, one term; Dental Materia Medica and Therapeutics, one term.

Candidates who fail to satisfy the Examiners in any subject of the examination must, before being re-admitted to examination, produce evidence of having pursued such further study as may have been required by the Examiners.

Final Examination

The Final examination shall consist of :—

Medicine and Surgery.

Dental Surgery (including Clinical Dental Surgery, Orthodontia, Dental Radiology and Dental Prosthesis).

Pathology and Bacteriology (including Dental Pathology and Bacteriology).

Candidates must pass the Second examination before being examined in the Final examination.

Candidates, before presenting themselves for the Final examination, must produce evidence of having (1) completed four years from the beginning of their pupilage ; (2) completed two years Medical and Surgical practice at hospitals recognised by the University ; (3) completed two years' Dental Hospital practice ; (4) attended courses of instruction recognised by the University, as follows : Medicine, two terms ; Dental Surgery and Pathology lectures, two terms ; Operative Dental Surgery lectures, one term ; six special Anæsthetic demonstrations ; Special Surgery of the Mouth, six lectures ; Surgery lectures, two terms ; General Pathology and Bacteriology, two terms ; Dental Pathology and Bacteriology, one term ; Dental Clinical lectures, two years ; Dental Radiology, one term ; Orthodontics lectures, one term. The Certificates of Medical and Surgical practice must show that practical instruction has been received in Medicine and Surgery, and in the administration of Anæsthetics.

Candidates who fail to satisfy the Examiners in any subject of the examination must, before being re-admitted to examination, produce evidence of having pursued such further study as may have been required by the Examiners.

I. Degree of Bachelor of Dental Surgery

NORMAL COURSE.

APRIL–JUNE.	OCT.–DEC.	JAN.–MARCH.
	Pre-Registration Period. Physics. Inorganic Chemistry. Zoology. Introductory Pupilage.	Physics. Inorganic Chemistry. Zoology. Introductory Pupilage. *First Examination:* *Part I.:—* Physics and Inorganic Chemistry. (March and September).
First Year Dental Course. Zoology. Botany. Pupilage. *First Examination:* *Part II.:—* Zoology and Botany. (June and September).	Organic Chemistry. Pupilage.	Organic Chemistry. Pupilage. *First Examination:* *Part III.:—* Organic Chemistry. (March and September).
Second Year Dental Course. Introductory Anatomy. Introductory Physiology. Pupilage.	Anatomy. Physiology. Dental Mechanics Lectures. Dental Metallurgy Lectures. Pupilage.	Anatomy. Physiology. Dental Mechanics Lectures. Dental Metallurgy Practical. Pupilage. *First Examination:* *Part IV.:—* Dental Mechanics and Dental Metallurgy. (March and September).
Third Year Dental Course. Anatomy. Physiology. Dental Materia Medica. Dental Hospital Practice.	Anatomy. Physiology. Dental Anatomy and Physiology. Dental Hospital Practice	Anatomy. Physiology. Pharmacology. Dental Anatomy and Physiology. Dental Histology. Dental Hospital Practice. *Second Examination:* *Part I.* Anatomy and Physiology. *Part II.:—* Dental Anatomy and Physiology. Dental Materia Medica and Therapeutics. Pharmacology. (March and September).

April–June.	Oct.–Dec.	Jan.–March.
Fourth Year Dental Course. Introductory Medicine. Introductory Surgery. Operative Dental Surgery. Orthodontia Lectures. Dental Hospital Practice. Infirmary Practice.	Medicine Lectures. General Pathology and Bacteriology. Dental Hospital Practice. Infirmary Practice.	Medicine Lectures. Surgery Lectures. General Pathology and Bacteriology. Dental Hospital Practice. Infirmary Practice.
Fifth Year Dental Course. Surgery Lectures. Dental Pathology and Bacteriology. Dental Radiology. Dental Hospital Practice. Infirmary Practice.	Medicine Lectures. Surgery Lectures. Dental Surgery and Pathology Lectures. Dental Hospital Practice. Infirmary Practice.	Medicine Lectures. Surgery, including Special Surgery of the Mouth. Dental Surgery and Pathology Lectures. Anæsthetics Demonstrations. Dental Hospital Practice Infirmary Practice. *Final Examination:* Medicine. Surgery. Dental Surgery (including Clinical Dental Surgery, Orthodontia, Dental Radiology and Dental Prosthesis). Pathology and Bacteriology (including Dental Pathology and Bacteriology). (March and September).

II. Diploma in Dental Surgery.

Normal Course.

	Pre-Registration Period. Physics. Inorganic Chemistry. Zoology. Introductory Pupilage.	Physics. Inorganic Chemistry. Zoology. Introductory Pupilage. *First Examination:* *Part I.:—* Physics and Inorganic Chemistry. (March and September).
First Year Dental Course. Zoology. Botany. Pupilage. *First Examination:* *Part II.:—* Zoology and Botany. (June and September).	Organic Chemistry. Pupilage.	Organic Chemistry. Pupilage. *First Examination* *Part III.:—* Organic Chemistry. (March and September).

April–June.	Oct.–Dec.	Jan.–March.
Second Year Dental Course. Introductory Anatomy. Introductory Physiology. Pupilage.	Anatomy. Physiology. Dental Mechanics Lectures. Dental Metallurgy Lectures. Pupilage.	Anatomy. Physiology. Dental Mechanics Lectures. Dental Metallurgy (Practical). Pupilage. *First Examination: Part IV.:—* Dental Mechanics and Dental Metallurgy. (March and September).
Third Year Dental Course. Anatomy. Physiology. Dental Materia Medica. Dental Hospital Practice. *Second Examination: Part I.:—* Anatomy and Physiology. (September and March).	Dental Anatomy and Physiology. General Pathology and Bacteriology. Dental Hospital Practice. Infirmary Practice.	Dental Anatomy and Physiology. Dental Histology. Pharmacology. General Pathology and Bacteriology. Dental Hospital Practice. Infirmary Practice. *Second Examination: Part II.:—* Dental Anatomy and Physiology. Dental Materia Medic and Therapeutics. (March and September).
Fourth Year Dental Course. Introductory Medicine. Introductory Surgery. Operative Dental Surgery. Dental Pathology and Bacteriology. Orthodontia Lectures. Dental Radiology. Dental Hospital Practice. Infirmary Practice.	Medicine Lectures. Surgery Lectures. Dental Surgery and Pathology Lectures. Dental Hospital Practice. Infirmary Practice.	Medicine Lectures. Surgery, including Special Surgery of the Mouth. Dental Surgery and Pathology Lectures. Anæsthetics Demonstrations. Dental Hospital Practice. Infirmary Practice. *Final Examination:* Medicine and Surgery. Dental Surgery (including Clinical Dental Surgery, Orthodontia, Dental Radiology and Dental Prosthesis). Pathology and Bacteriology (including Dental Pathology and Bacteriology). (March and September).

SCHOOL OF MEDICINE

Dental students attend at the School of Medicine for instruction in the subjects of the Second and Final examinations and they are required to conform to the regulations of the School.

The School of Medicine is separated from the Infirmary and the Dental School by the width of a street only, a proximity which facilitates attendance at all three institutions. The wealth of clinical material in the Infirmary and other Medical Institutions in Leeds and the West Riding, together with the Laboratories, &c., in this School, offers to students opportunities of great value.

Students are educated for the degrees of Leeds and other Universities, and for the diplomas of all Medical Licensing Bodies in the United Kingdom. Women are admitted on the same terms as men.

The present buildings were opened in 1894. They contain one of the finest Dissecting Rooms in the kingdom; laboratories for Physiology, Pathology, and Bacteriology, with the most recent improvements in fittings and apparatus; three Lecture Theatres and several smaller Class Rooms; a Library and Reading Room; a Pathological Museum, and a separate Museum for Anatomy.

The convenience and comfort of students are also provided for by commodious Common Rooms, separate lockers for coats, &c., and a Refectory. There is also a Fives Court in the quadrangle. A separate Common Room is provided for women students.

The Library

Contains a valuable collection of books, composed of the united libraries of the School of Medicine and of the Leeds and West Riding Medico-Chirurgical Society. The Library of the Old Infirmary, rich in Medical Classics, became the property of the Medical School in 1865.

The collection includes most of the modern works of importance, and the chief English and foreign periodicals are taken.

Recommendations for the purchase of new works should be entered in a book provided for the purpose, or be addressed to the Hon. Librarian.

Library Rules

1. The Library is open to Students daily, between the hours of 9 a.m. and 5 p.m., except on Saturdays, when it is closed at 1 p.m. During these hours, books can be obtained for use in the Library.

2. Students wishing to borrow books for home use are allowed to do so under the following regulations :—

(*a*) Every student wishing to take books away from the Library shall deposit half-a-guinea as caution money ; this sum, or the balance of it remaining shall be refunded to the depositor on the return of his library card.

(*b*) The student will, on payment of the deposit, receive a Library card with his name upon it. This card must always be presented whenever the student desires to borrow a book.

(*c*) Books borrowed for home use must be returned to the Library within two weeks from the date of issue, or earlier if in urgent demand. One volume only can be borrowed at a time. A fine of 2d. a day is incurred for every day that it has been detained beyond the time allowed.

(*d*) No periodical for the current year may be removed from the library.

(*e*) In case of loss of or damage to any book, the loss or damage must be made good by the borrower.

(*f*) Every book must be returned to the Library at the end of the Summer Term.

Museums

The Museum of Pathology contains, in addition to preparations illustrating the ordinary pathological processes, many rare specimens, some of historical interest. It draws largely for its supply from the abundant material of the General Infirmary, as well as from other institutions in the City. A collection of Microscope sections from

specimens in the Museum is available for the use of students on application.

A complete type collection of MATERIA MEDICA specimens is also placed here for the convenience of students.

THE MUSEUM OF ANATOMY AND BONE ROOM adjoins the Dissecting Room, and has been fitted up under the direction of the Professor of Anatomy with a valuable collection of specimens specially arranged for study, which are also used in illustration of the Lectures on Anatomy. Amongst them are a complete set of bones marked with the muscular attachments, and mounted in revolving cases; and an extensive series of wax models, illustrating the development of the fœtus.

Refectory

A well-appointed Refectory, which is open daily, excepting Saturdays, has been provided in the building. It is under the combined management of the Board of the Faculty and of the Students' Representative Council. Luncheon is served from 12 to 2 p.m. Tea, coffee, and light refreshments may be obtained until 5 p.m.

The University of Leeds Students' Union

Includes membership of debating societies, admission to athletics and gymnasium, and use of Common Rooms. At the gymnasium a permanent instructor is engaged.

A subscription of £2 per annum is charged, by direction of the Council of the University, to all students, and is to be paid like other University fees to the Accountant.

Students' Representative Council

This Council is elected annually by the students of the School of Medicine from amongst their own number.

It concerns itself with the affairs of the Medical Students, and appoints representatives to serve on the Committee of the Students' Union, a proportion of whose funds it has at its disposal.

The Secretary of the Council is *ex-officio* the Medical Secretary of the Union Committee.

The Council further appoints the following: Dinner, Entertainments and Sports sub-committees, and three of its number serve upon the Refectory Committee.

Officers' Training Corps

This organisation was inaugurated in July, 1909.

The object is to train students for Commissions in the Special Reserve and the Territorial Force. Students should give their support to this national object.

REGULATIONS FOR STUDENTS IN THE SCHOOL OF MEDICINE

1. All students are required to enrol their names at the Dean's office at the beginning of the first term. Students who from any unavoidable cause are prevented from personally attending at that time must communicate with the Academic Sub-Dean by letter.

2. Should a student change his residence during the Session, he must inform the Academic Sub-Dean of the change of his address without delay.

3. Regular, punctual, and orderly attendance at Lectures, Demonstrations, and Class-examinations is required of every student, in order to obtain certificates of attendance. In the case of persistent neglect of work, repeated failure at professional Examinations, or unreasonable delay in presenting himself for such Examinations, a student may be required to withdraw from the University.

4. In case of illness or other unavoidable cause of non-attendance at any Lecture, Demonstration, or Class Examination, a written explanation, accompanied, when necessary, by a medical certificate, must be sent to the Lecturer, with as little delay as possible, otherwise excuses for absence cannot be accepted. Hospital work is not counted as an excuse for non-attendance upon lectures.

5. Prizes will be granted only when the work and conduct of the student are satisfactory, and certificates or prizes may be refused on the ground of unsatisfactory conduct.

6. Smoking is allowed only in the Students' Common Room, and in the Refectory after 1 p.m.

7. Students will be required to make good, to the satisfaction of the Council, any loss, wilful damage or injury they may occasion to the property of the University.

8. Students in the School of Medicine are amenable to the discipline and general regulations of the University, as well as to the rules made by the Board of the Faculty of Medicine. Violation of these regulations and rules renders a student liable to immediate dismissal and to the forfeiture of all fees, certificates and privileges as a student of the University.

9. Prior to entering the School every student is required to sign the following declaration:

> *If admitted a Student in the Faculty of Medicine of the University of Leeds, I hereby undertake to comply with all rules and regulations of the University, and to conduct myself on all occasions in an orderly manner. I fully understand that no allowance whatever will be made, and that I have no claim upon the Council of the University in respect of any fees paid by or due from me, in case such fees are forfeited by any irregularity or misconduct on my part.*

LECTURES AND CLASSES

HELD IN THE UNIVERSITY ROAD BUILDINGS OF THE UNIVERSITY

Physics

Pre-Registration Course

It is very desirable that students taking this course should have an elementary knowledge of Algebra, Trigonometry and Mechanics. There is a special course of lectures in Experimental Mechanics for such students as may wish to attend.

The following subjects will be treated in an elementary manner, illustrated by experiments : Electricity, Magnetism, Sound, Light, Heat and Properties of Matter.

Suitable text books will be recommended by the lecturer.

The course, which extends over the first and second terms, consists of lectures on Monday, Wednesday and Friday, 10 to 11 a.m., and on Tuesday, 2 to 3 p.m., and of laboratory work on Wednesday, 11 a.m. to 1 p.m., and on Saturday, 10 a.m. to 12 noon.

Chemistry

I. Pre-Registration Course

This course will consist of Lectures on Monday, Thursday and Friday, at 2 p.m., during the first and second terms.

In connection with this course, a tutorial class will be held one hour weekly.

II. Practical Inorganic Chemistry

During the first and second terms, on Monday, 3 to 5 p.m. ; Thursday, 3 to 5 p.m. ; and Friday, 3 to 5 p.m.

N.B.—For students who wish to take additional practical work of whatever kind, the Chemical Laboratory is open daily from October to June inclusive.

III. Organic Chemistry

During the first and second terms on Thursday, 2 to 5 p.m., Friday, 12 noon to 1 p.m. and 2 to 5 p.m., and Saturday, 9 a.m. to 1 p.m. The course will consist of lectures on Friday at 12 noon, and Saturday at 9 a.m., and practical work for the remainder of the allotted period.

(*Class III. is suitable for the examination in Organic Chemistry for the London M.B.*)

Zoology

Botany

Dental students take the full courses specified in the Calendar for First M.B. candidates.

Lectures on Zoology during the session on Monday and Friday at 11 a.m. Practical work in the Zoological laboratory throughout the session on Tuesday and Thursday mornings, 11 to 1. Lectures and practical work on Botany during the third term only on Monday, 12 to 1 p.m. ; Tuesday, 2 to 5 p.m. ; Wednesday 10 a.m. to 1 p.m. ; Thursday, 2 to 5 p.m.

Each student will be required to provide himself with a microscope (suitable also for his subsequent studies), a dissecting case, a biological drawing book, and some simple instruments for microscopic work.

Dental students can obtain the loan of microscopes for their courses in both Zoology and Botany at the rate of 15s. each per session. These fees must be paid in advance to the Accountant immediately after the student has arranged with the laboratory steward for the loan of a microscope.

Dental Metallurgy

Lectures on Friday at 12 noon, during the *first* term.

A laboratory class for practical work will be held on Mondays, 2 p.m. to 5 p.m. during the *second* term.

Physical and Chemical Properties of the metals : gold, platinum, palladium, silver, tin, antimony, mercury, lead, bismuth, zinc, cadmium, copper, aluminium, iron, nickel.

Alloys: Preparation, composition and properties.
Amalgams: Preparation and properties.
Solders: Composition and uses.
Description of blowpipes, furnaces, muffles, and their uses.
Fluxes: Purification of scrap and sweep.
Methods of testing metals and alloys. Assay of gold and silver.
Dental Cements and their preparation.

HELD IN THE BUILDINGS OF THE SCHOOL OF MEDICINE OF THE UNIVERSITY IN THORESBY PLACE

Anatomy

Systematic and Descriptive Anatomy

I. For Degree Students

The Course extends over six terms.

(*a*) The introductory course is held in the summer term of the first year (osteology).

(*b*) The general course is held throughout the three terms of the second year and the first and second terms of the third year. To promote the association of study of form and function the course deals first with the organs of abdomen and thorax, central nervous system and sense organs and human embryology. Special arrangements are made for students who cannot attend the introductory course in the first summer.

Systematic tutorial classes are held in connection with the above courses and attendance on these is obligatory.

Applied Anatomy

The class meets on Monday and Thursday at noon in the Anatomy theatre during the first and third terms. It is intended for senior students and qualified practitioners and is arranged to take place in the terms preceding the Final examination but may be attended or repeated as the student's time-table permits.

II. For Diploma Students

Tuesdays and Fridays at 2 p.m. throughout the session.

Systematic tutorial classes are held in each of the three terms and a series of demonstrations specially adapted to the requirements of Dental students is held.

Practical Anatomy

The dissecting room is open during the session from 9 a.m. to 5 p.m. (Saturday to 12.30 p.m.) and in vacations except the month of August. Students are required to submit their work for examination and record in order to obtain certification that the whole body has been dissected satisfactorily. Demonstrators are in daily attendance and tutorial classes are held.

Special classes are held for the Primary F.R.C.S. The rooms are only open to students who have entered for courses or paid fees for the use of the room, and to students of the School who have passed the second professional and are reading for the Final examination.

Physiology

The courses in Physiology form part of the courses for the Degree of B.Ch.D., and the Diploma of L.D.S.

I. Elementary Course in Physiology

The elementary course in Physiology is specially devoted to the needs of the Dental Diploma Students.

Lectures.

First, Second and Third terms : Monday, Wednesday and Friday, 9 a.m.

Practicals

First term : Bio-chemistry, Tuesday, 10 a.m. ; Histology, Wednesday, 10 a.m. Second term : Histology, Monday, 10 a.m. ; Bio-chemistry, Tuesday, 10 a.m. Third term : Experimental, Thursday, 10 a.m. ; Human Physiology, Wednesday, 10 a.m.

II. General and Senior Course (for Degree Students)

The complete course occupies six terms.

(*a*) Introductory Lectures :—
Third Term, First Year : Monday, 2 p.m.

(*b*) General Lectures :—
First Term, Second Year : Tuesday and Thursday, 9.15 a.m.
Second Term, Tuesday and Thursday, 9.15 a.m., Wednesday, 12 noon ; Third Term, Second Year : Tuesday, Thursday and Saturday, 9.15 a.m.

(*c*) Senior Lectures :—
First and Second Terms, Third Year : Monday, Wednesday and Friday, 9.15 a.m.

(*d*) Introductory Practical Course :—
Third Term, First Year : General Physiology, Monday, 2 p.m.

(*e*) General Practical Course :—
First Term, Second Year : Biochemistry, Tuesday or Thursday, 10 a.m. : Histology, Wednesday, 10 a.m.
Second Term : Experimental : Monday and Tuesday, 2 p.m. or Tuesday and Wednesday, 10 a.m. : Histology, Monday, 10 a.m.
Third Term : Experimental, Monday or Friday, 2 p.m. : Human, Wednesday, 10 a.m. or 2 p.m. : Histology, Saturday, 10 a.m.

(*f*) Senior Practical Course :—
First Term, Third Year : Human, Monday and Tuesday, 10 a.m. or 2 p.m. : Biochemistry, Monday and Tuesday, 2 p.m., or Monday 10 a.m., and Thursday, 2 p.m. : Histology, Thursday, 10 a.m.
Second Term, Third Year : Biochemistry, Monday or Tuesday, 10 a.m. : Human, Wednesday, 2 p.m. or Thursday, 10 a.m.

During the third term of the second year and the first and second terms of the third year students will be required to attend a tutorial class for one hour per week.

III. Revision Classes

Revision classes are held each term at times to be arranged.

IV. Applied Physiology

A course of lectures and practical work on Human Physiology and its application forms part of the general and senior courses in Physiology.

V. Advanced Physiology

A course of advanced lectures and practical work for students taking the Honours degree of B.Sc. is held throughout the year ; for details consult Calendar.

VI. Biochemistry

A course of advanced lectures will be given throughout the year ; I hour per week, at times to be arranged.

VII. Comparative Physiology

A course of lectures and practical work will be given at times to be arranged.

VIII. Pharmacology

A course will be given during the second term.

Lectures : Monday, Wednesday and Friday, 12 noon.

Practicals : Thursday, 2 p.m. or Friday, 10 a.m.

Special demonstrations will be given at times to be arranged.

IX. Research in Physiology

Students or others desiring to pursue, or to assist in, original investigations in Physiology will be admitted to the laboratories throughout the year by arrangement with the Professor. They will be personally responsible that the apparatus they employ is not broken or misused.

Apparatus

Students are required to provide themselves with :—

(*a*) A good microscope, with $\frac{2}{3}$ in. and $\frac{1}{6}$ in. objectives. The Professor will be glad to assist students in the choice of an instrument. Students will not be allowed to attend the class unless provided with a suitable instrument.

(*b*) Accessories, Scissors, forceps, needles in handles, slides and coverglasses, etc.

No apparatus may be removed from the Laboratory without the permission of the Professor, and then only on furnishing a written receipt.

The workshop is private and not to be used without permission.

Pathology and Bacteriology

A course in General Pathology and Bacteriology is held on Mondays and Thursdays during the first term, and on Mondays during the second term from 2 to 3.30 p.m.

A course in Dental Pathology and Bacteriology is held in the Dental School on Tuesdays and Thursdays during the third term from 2 to 3.30 p.m.

Each student must be provided with a good microscope, having an oil immersion lens and a condenser.

Principles and Practice of Medicine

For Degree Students

An Introductory Summer Course, and four terms lectures.

For Diploma Students

An Introductory Summer Course, and two terms lectures.

The lectures are usually given on Monday, Wednesday, and Thursday, at 9 a.m. during the second and third terms.

Systematic Surgery

Lectures on Tuesday and Friday from 9–10 a.m. during the second and third terms.

The course includes six lectures on the surgery of the mouth.

Wednesday, 12-1 : first and third terms : a series of eight tutorial classes in the surgery of the head and neck for students about to sit for the final examination.

Materia Medica and Therapeutics

In July at hours to be arranged.

The course includes the sources, preparation, physical characters, pharmacopœial combinations, tests, doses and general uses of the principal official drugs.

After each lecture a tutorial class is held in which the students are exercised in the actual recognition of the most important drugs.

HELD IN THE SCHOOL OF DENTISTRY

Dental Surgery and Therapeutics

Tuesday at 12 noon during the first and second terms.

Condition of the jaws and teeth at birth.

Relation of the teeth to the bone and adjacent structures.

Temporary dentition: infantile disorders dependent thereon.

Permanent dentition.

Malocclusion: diagnosis and treatment.

Association of tissue defects with food deficiencies.

Abnormal teeth: syphilitic, hypoplastic, supernumerary, geminated, dilacerated, deflected, impacted.

Dental Caries: dietetic and other causative factors, prophylactic and remedial treatment.

Abrasion: etiology and treatment. Atrition. Erosion.

Pathological conditions of the tooth pulp: acute and chronic inflammation, ulceration, gangrene, polypus, degeneration, fibrosis, intrinsic calcification.

Injuries to the teeth: fracture, dislocation, treatment by replantation and implantation, transplantation.

Periodontitis, acute and chronic, rarefying and productive. Vincent's disease.

Alveolar abscess: etiology, pathology, and treatment.

Salivary calculus.

Neuralgia and odontalgia.

Lesions due to dental causes: nervous, muscular, trophic.

Injuries and diseases of the maxillæ: necrosis, pathology and treatment.

Fractures of the maxillæ: surgical and prosthetic treatment.

Diseases of temporo-maxillary articulation: operative and mechanical treatment.

Diseases of the antrum: cysts and empyema, mechanical appliances for drainage.

Cleft palate and oral deformities: treatment by obturators, and vela.

Diseases of the gums : acute and chronic inflammation, hypertrophy, polypus, papilloma, stomatitis.

Morbid growths : Innocent. Cystic. Malignant. Odontomes.

Operative Dental Surgery

Tuesday, at 12 noon, during the third term.

The surgery : its fittings and hygiene.

Instruments and surgical cleanliness.

Treatment of patients : time and pain-saving methods.

Uses of electric current in dental therapeutics including Ionic Medication.

Treatment of children, with special reference to prophylaxis, deciduous dentition, permanent dentition, and general principles underlying orthodontic treatment.

Case recording.

Scaling and oral hygiene.

Prophylaxis and treatment of dental caries.

Rubber dam and other means of controlling saliva.

Separating and separators.

Principles of cavity preparation.

Filling materials : characteristics and manipulation.

Special preparation of cavities for and filling with : gold and tin, cements, gutta percha, amalgam, and porcelain inlays, and the treatment of fillings with respect to contour.

Treatment of the dental pulp : its conservation, devitalization, and immediate removal.

Root fillings.

Treatment of septic roots and alveolar abscesses.

Extractions and the casualties liable to occur.

Fractures of the jaws and their treatment.

Crown and bridge work : surgical preparation of the mouth and teeth ; principles of construction from the surgical standpoint, methods of fixing.

Repair of crowns : various methods.

Anaesthesia : local and general, methods of production.

Cleft palate : treatment by means of obturators, vela, etc.

Orthodontics

Friday, at 12 noon, during the third term.

Occlusion: forces of occlusion.

Malocclusion: positions of malocclusion, or malpositions of the teeth; classification of malocclusion or malrelation of the arches; malformation of the jaws and their processes; abnormal relation of the mandible to the maxillæ; etiology of malocclusion.

Regulating Appliances: principles of regulating appliances; requirements; fixed and removable; technique for making regulating appliances; composition of appliances; Jackson's cribs.

Anchorage.

Retention of Teeth.

Impressions and Models.

Use of the X-Ray in Orthodontics.

Treatment of Cases.

Dental Anatomy and Physiology

Thursday at 11.45 a.m. during the first and second terms.

A class in Practical Dental Histology is held at 4 p.m. on Thursday in the second term.

Human Anatomy

Morphology of the teeth.

The dental tissues: Enamel, dentine, tooth pulp, cementum, Nasmyth's membrane.

Gum and periodontal membrane.

Development of the teeth.

Calcification of the dental tissues.

Development and growth of the maxillae and mandible.

Eruption and absorption.

The attachment of the teeth.

Comparative Anatomy

Classification and evolution.

The teeth of fishes.

Amphibia and Reptiles.

The homologies of the teeth. The milk dentition.

The evolution and characteristics of the mammalian dentition.

Prototheria and Metatheria (Marsupialia).
Insectivora, Chiroptera, and Carnivora.
Edentata, Rodentia, and Cetacea.
Ungulata with sub-orders Hyracoidea and Proboscidea.
Sirenia and Primates.

Dental Mechanics

Wednesday, at 11 a.m. during the first and second terms.
Examination of the mouth.
Preparation of the mouth.
Impression materials.
Technique of Impression taking.
Casting of Dies and Counter Dies.
Swaging of Gold and Aluminium.
Casting of Gold and Aluminium.
Soldering, Solders and their composition.
Making of Clasps.
Flasks and Flasking.
Vulcanite.
Porcelain and Porcelain Teeth.
Gum Sections.
Continuous Gum Work.
Synthetic Resins.
Bite Taking.
Methods of measuring movements of mandible.
Articulation and Articulators.
Mounting of Porcelain Teeth.
Retention of Complete Dentures.
Springs.
Crowns: Gold, Gold and Porcelain, and Porcelain.
Bridges: fixed and removable.
Fractures of the Jaws and Splints.
Mechanical treatment of Cleft Palates.

Dental Radiology

A course of lectures on Dental Radiology will be given during the first and third terms, at times to be arranged.

GENERAL HOSPITAL PRACTICE

Leeds General Infirmary.—The medical and surgical practice required by dental students is taken at this

Institution, which offers abundant opportunities for clinical study. A full account of the arrangements for clinical teaching, and of the appointments offered to students, will be found in the Medical Prospectus. Dental students will be required to act as dressers and clerks in the Medical, Surgical, and Aural out-patient departments. The fee for General Hospital Practice is included in the Composition Fee. Enquiries relating to attendance at the Infirmary, should be addressed to the Clinical Sub-Dean, Mr. MOIR, through the Dean's Office.

SCHOLARSHIPS

The Dental Board of the United Kingdom awards Bursaries to suitable students to enable them to pursue a course of study with a view to obtaining a registrable dental qualification. Particulars of these Bursaries and forms of application may be obtained from the Registrar, Dental Board of the United Kingdom, 44, Hallam Street, London, W.1.

Particulars of University Entrance Scholarships are contained in the Scholarships Prospectus, which may be obtained (price 3d.) from the Registrar of the University.

FEES

General Regulations

The composition fees for lecture and laboratory courses may be paid either sessionally, in advance, or (with certain exceptions) terminally by instalments. Fees paid by instalments are at a slightly higher rate than when paid in advance. The terminal instalment scales of fees are not applicable to students ordinarily resident outside the British Isles; such students must pay fees sessionally in advance.

A student ceasing, for any reason whatsoever, to attend at the University during the session has no claim to a return of fees.

A student who elects to pay composition fees by instalments and who withdraws from the University before the end of a session must pay the whole of the remaining instalments of the session's fee.

On presentation of a form signed by the Dean of the Faculty authorising attendance upon courses of study, and upon payment of the requisite fees, the Accountant will supply a class ticket entitling the student to attend such courses. This class ticket must be presented by the student, before commencing attendance, to the Professors or Lecturers whose classes or lectures he is authorised to attend.

Students are required to pay a Registration Fee of £2 when their application for admission to the University is accepted.

Fees may be paid either in the Secretary's Office, Dental School, or in the Students' Section, University Road. Cheques should be made payable to "The University of Leeds."

I. Composition Fees*

For the complete course (including Pre-Registration course, Pupilage, Dental and General Hospital practice and Union Fees) :—

1. For the Degree of B.Ch.D. :—

	When paid sessionally in advance.	When paid in terminal instalments on the 1st day of each term.		
		1st term.	2nd term.	3rd term.
	£	£	£	£
1st Session ..	85 ..	40 ..	27 ..	20
2nd Session ..	60 ..	30 ..	19 ..	13
3rd Session ..	50 ..	25 ..	16 ..	11
4th Session ..	50 ..	25 ..	16 ..	11
5th Session ..	30 ..	20 ..	11 ..	—
Total ..	†£275 ..	..	..	..

2. For the Diploma in Dental Surgery :—

1st Session ..	85 ..	40 ..	27 ..	20
2nd Session ..	60 ..	30 ..	19 ..	13
3rd Session ..	60 ..	30 ..	19 ..	13
4th Session ..	38 ..	20 ..	19 ..	—
Total ..	‡£243 ..	..	..	..

* Students who have paid one or more instalments of the Composition Fees at the old rate will be allowed to complete the payments at the rates given in the Dental Prospectus for the year in which they commenced payments.

† Reduced by £15 if paid in one sum at commencement of first year.

‡ Reduced by £9 if paid in one sum at commencement of first year.

II. Pupilage Fees

	£	s.	d.
For six months additional pupilage in dental mechanics	26	0	0
For three months additional pupilage	13	0	0

III. Dental Practice Fees

For six months additional	10	0	0
For three months additional	5	0	0

IV. Examination Fees, etc.

Matriculation	2	0	0
Registration of an External Matriculation Certificate	2	0	0
B.Ch.D. and L.D.S. First Examination	6	0	0
B.Ch.D. and L.D.S. Second ,, ...	5	0	0
B.Ch.D. and L.D.S. Final ,, ...	5	0	0
Conferment of Diploma	6	0	0
,, ,, Degree.	*7	0	0

The latest dates for the payment of examination fees are :—

First Exam. B.Ch.D. and L.D.S.
In March, on February 1st, 1930.
In June, on March 1st, 1930.
In September, on August 1st, 1930.

Second and Final B.Ch.D. and L.D.S
In March, on February 1st, 1930.
In September, on August 1st, 1930.

The fees are the same for re-examination as for original examination.

V. Locker Fee and Breakages Deposit

A deposit of £2 is payable on commencement of the Dental course. Half of this amount will be retained as locker rent, the balance being returnable at the end of the course less the cost of replacing keys, apparatus, etc., lost or broken by the student. If at any time during the course the total cost of replacements exceeds £1, a further deposit of £1 will be payable.

VI. Cost of Dental Education, shewing incidence of charges

On the following pages are set forth expenses of Dental Education shewing approximately how the various charges fall due if the fees are paid by instalments and examinations taken at the earliest possible date.

(It is assumed that the student will enter on the course in October).

* Including £1 Parliamentary Registration and Convocation Fee.

(*a*) Degree in Dentistry

The total cost will be reduced by £15 if those fees marked * are paid in one sum instead of by instalments.

	£	s.	d.	£	s.	d.
(Before entry).						
Matriculation Examination	2	0	0			
Registration Fee (on acceptance) ..	2	0	0			
				4	0	0
Pre-Registration Period.						
October.						
Composition Fee—First Instalment ..	*85	0	0			
Locker and breakages deposit ..	2	0	0			
Microscope and Books	25	0	0			
Laboratory Tools	5	10	0			
February.						
First Examination Fee	6	0	0			
				123	10	0
First Year.						
April.						
Books	3	0	0			
October.						
Composition Fee—Second Instalment	*60	0	0			
Chemical Apparatus	5	10	0			
				68	10	0
Second Year.						
April.						
Books	4	10	0			
Anatomy Charges (commencing) ..	3	0	0			
October.						
Composition Fee—Third Instalment	*50	0	0			
				57	10	0
Third Year.						
April.						
Instruments	38	0	0			
Books	2	10	0			
October.						
Composition Fee—Fourth Instalment	*50	0	0			
February.						
Second Examination Fee	5	0	0			
				95	10	0
Fourth Year.						
April.						
Books	6	0	0			
October						
Composition Fee—Fifth Instalment ..	*30	0	0			
				36	0	0
Fifth Year.						
February.						
Final Examination Fee	5	0	0			
March.						
Graduation, Parliamentary Registration and Convocation	7	0	0			
				12	0	0
Approximate Total Cost ..				£397	0	0

(*b*) Diploma in Dentistry

The total cost will be reduced by £9 if the fees marked † are paid in one sum instead of by instalments.

(Before entry).	£	s.	d.	£	s.	d.
Matriculation or some other recognised Preliminary Examination, say	2	0	0			
Registration Fee (on acceptance) ..	2	0	0			
				4	0	0
Pre-Registration Period.						
October.						
Composition Fee—First Instalment	†85	0	0			
Locker and breakages deposit ..	2	0	0			
Microscope and Books	25	0	0			
Laboratory Tools	5	10	0			
February.						
First Examination Fee	6	0	0			
				123	10	0
First Year.						
April.						
Books	3	0	0			
October.						
Composition Fee—Second Instalment	†60	0	0			
Chemical Apparatus	5	10	0			
				68	10	0
Second Year.						
April.						
Books	4	10	0			
Anatomy Charges (commencing) ..	2	0	0			
October.						
Composition Fee—Third Instalment	†60	0	0			
				66	10	0
Third Year.						
April.						
Instruments	38	0	0			
Books	2	10	0			
February.						
Second Examination Fee	5	0	0			
October.						
Composition Fee—Fourth Instalment	†38	0	0			
				83	10	0
Fourth Year.						
April.						
Books	6	0	0			
February.						
Final Examination Fee	5	0	0			
March.						
Conferment of Diploma	6	0	0			
				17	0	0
Approximate Total Cost ..				£363	0	0

TIME TABLE OF CLASSES

Courses for First Examinations

	M.	T.	W.	Th.	F.	S.	Term
Physics, Lectures	10	2	10		10		I, 2
,, Laboratory			11-1			10-12	
Inorganic Chemistry, Lectures ..	2	..	..	2	2	..	
Tutorial ..	12	..	..	..	..	..	
Laboratory	3–5	..	..	3–5	3–5	..	
Organic Chemistry ..	..	..	..	2–5	12–5	9–1	I, 2
Zoology, Lectures ..	11	..	..	..	11	..	I, 2, 3
Zoology, Practical ..	..	11–1	..	11–1	..	..	
Botany, Lectures	12–1	2–5	10–1	2–5	..	..	3
,, Practical							
Dental Mechanics Lectures ..	..	..	11	..	..	..	I, 2
Dental Metallurgy, Lectures	..	..	..	..	12	..	I
,, Practical ..	2–5	..	..	..	..	..	2
Dental Laboratory ..	Daily between 9 a.m. and 6p.m. including Vacations.						

TIME TABLE OF CLASSES

Courses for Second Examination

	M.	T.	W.	Th.	F.	S.	Term
Anatomy :							
Lectures (Degree) ..	9.30	..	9.30	..	9.30	..	1, 2, 3
,, (Diploma) ..	..	2	..	..	2	..	1, 2, 3
Dissections	At times to be arranged.						
Physiology :							
Lectures (Degree) ..							
Introductory ..	2	..	..	..	..	..	3
General	..	9.15	..	9.15	..	..	1
	..	9.15	12	9.15	..	..	2
	..	9.15	..	9.15	..	9.15	3
Senior	9.15	..	9.15	..	9.15	..	1, 2
Lectures (Diploma) ..	9	..	9	..	9	..	1, 2, 3
Practical (Degree) ..							
Introductory ..	2	..	..	..	..	..	3
General	..	10	10	..	..	..	1
	10	2	..	..	..	..	2
	2	..	..	..	..	..	
	2	..	10	..	..	10	3
Senior	10	10	..	10	..	..	1
	2	2	..	..	..	..	
	10	..	2	..	..	..	2
Practical (Diploma)	..	10	10	..	..	..	1
	10	10	..	..	..	..	2
	..	..	10	10	..	..	3
Tutorial	One hour a week for three terms.						
Pharmacology ..	12	..	12	2	12	..	2
Dental Anatomy and Physiology	..	..	..	11.45	..	..	1, 2
Dental Histology : Practical	..	..	..	4	..	..	2
Materia Medica and Therapeutics ..	At times to be arranged in July.						
Dental Hospital ..	Daily between 9 a.m. and 5-30 p.m. including Vacations.						

TIME TABLE OF CLASSES

Courses for Final Examination

	M.	T.	W.	Th.	F.	S.	Term
Pathology and Bacteriology	2–3.30	..	..	2–3.30	..	..	1
	2–3.30	..	..	..	..	..	2
Dental Pathology and Bacteriology	..	2–3.30	..	2–3.30	..	..	3
Medicine	9	..	9	9	..	..	2, 3
Surgery:							
Lectures	..	9	..	..	9	..	2, 3
Tutorial	..	..	12	..	..	..	1, 3
Dental Surgery and Therapeutics ..	..	12	..	..	..	..	1, 2
Operative Dental Surgery	..	12	..	..	..	..	3
Orthodontia	.	..	..	..	12	..	3
Dental Radiology ..	At times to be arranged.						1, 3
Anaesthetics	..	..	..	..	..	11	3
Dental Hospital Practice	Daily between 9 a.m. and 5-30 p.m. including Vacations.						
General Hospital Practice	At times to be arranged.						

SCHOLARSHIPS & FELLOWSHIPS

GENERAL REGULATIONS

1. No election to a Scholarship or Fellowship will take place unless the candidate has attained a sufficient standard of merit. A candidate who has attained such standard may, if the Senate think fit, be elected to a Fellowship or Scholarship without emolument.

2. All Scholarships and Fellowships are held subject to the good behaviour of the Scholar. The University reserves the power to determine the tenure of a Scholarship or Fellowship for irregularity in attendance at lectures, or for any other sufficient cause. A Scholar who fails in any University examination for which he prepares in the University, or who is reported unsatisfactory in the aggregate of his terminal examinations during the session, will forfeit his Scholarship, unless his retention of it be specially allowed.

3. Scholars and Fellows are required to devote the whole of their time to their studies, except so far as stated below. The undertaking by a Scholar or Fellow of outside work, such as teaching, or the acceptance of any post of profit outside the University will involve surrender of the Scholarship, or Fellowship, unless such work be undertaken with the sanction of the Vice-Chancellor. The Clothworkers' Scholars and others preparing for any profession or trade, the principles of which are taught in the University, will be granted special exemption from this rule if the Senate is satisfied that an adequate cause has been shown for such exemption, and approves the arrangement proposed in each particular case.

4. The Senate reserves power to declare any Scholarship or Fellowship vacant or to reduce its value on the ground that the Scholar has previously or subsequent to his election acquired another Scholarship.

5. Scholars who are preparing for University degrees are required to present themselves for the degree examinations of the University of Leeds, and are not allowed (except by the special permission of the Senate) to present themselves for the examinations of any other University.

ENTRANCE SCHOLARSHIPS

Corbet Woodall Scholarship in Gas Engineering

This Scholarship was endowed in 1915 by Sir Corbet Woodall, through the Institution of Gas Engineers, and is to be held at the University of Leeds. The annual value of the Scholarship is £60. It is tenable for three years, with power of extension for a fourth year on the recommendation of the Senate to the Corbet Woodall Scholarship Committee. The continuation of the Scholarship each year after the first will depend on the work done by the scholar in the previous year being reported to the Committee as satisfactory.

The Scholarship is intended to enable a student to take a course of study in Gas Engineering at the University, in preparation for a responsible position as a gas engineer. Candidates for election to the scholarship are required (i) to produce evidence of having reached a standard of scientific or technological education sufficient to enable them to take advantage of the B.Sc. degree, or Diploma course in Gas Engineering, and (ii) to give an undertaking of their intention to follow the profession of gas engineer. On each vacancy the award of the scholarship will ordinarily be made during the month of June, after due advertisement in the technical press. The Scholarship will be awarded by the Senate after consultation with the Corbet Woodall Scholarship Committee.

Each candidate is required to submit (i) a statement of his previous education and of his scientific or technological qualifications, (ii) testimonials (*a*) from the head of the Institute in which he received his previous education, (*b*) if he has been already engaged in a gas engineering works, from the engineer of the works. The Senate, in conjunction with the Corbet Woodall Scholarship Committee, will determine what examination, if any, is necessary in order to guide them in the award of the scholarship.

William Cooke & Company Scholarship

(*This Scholarship is in abeyance for the present*)

This Scholarship was instituted in 1906 by Messrs. William Cooke & Co., of Sheffield.

It is of the annual value of £21, and is tenable for three years. It is awarded triennially.

Candidates must be either (*a*) mining students articled to mining engineers, colliery managers, or colliery proprietors ; or (*b*) persons who are actually employed underground at a colliery, or who have been employed underground for a period exceeding three years.

The Scholar will be required to pursue the course of study prescribed for the diploma in Coal Mining, and to present himself, as soon as he is properly qualified, as a candidate for that diploma, and also for the Colliery Manager's First Class Certificate of competency to manage a Mine. He must attend this course regularly, and must take his examinations in the proper order and at the time laid down by the regulations of the University.

The Scholarship will be awarded on the result of an examination in (1) English Composition ; and (2) Mathematics (Arithmetic ; Algebra, including quadratic equations ; the Elementary Geometry of triangles, parallelograms, and circles, and of similar rectilinear figures), which two subjects are compulsory on all candidates ; and also in one or more of (3) Mechanics ; (4) Physics ; and (5) Chemistry.

The examination will ordinarily be held about the middle of June. Applications from candidates for this Scholarship must be sent to the Clerk to the Senate *not later than May 1st*, after which date no application will be received.

Clothworkers' Free Studentships (Evening)

The Worshipful Company of Clothworkers of the City of London offer twelve Free Studentships, each of the value of £2 10s., to selected students from certain Technical Schools in the West Riding who may desire to attend the advanced Evening Classes in the Department of Textile Industries in the University of Leeds. Each Free Studentship is tenable for one year, and may not be held by the holder of any other Scholarship or Exhibition.

Woolmen's Company Scholarship

1. This Scholarship was founded in 1927 by the Worshipful Company of Woolmen with the object of encouraging study in connexion with the Wool Trade.

2. The Scholarship is of the annual value of £30, and is normally tenable for three academic years in the Department of Textile industries.

3. The Scholarship is open to students entering upon the first year of a course of study leading to a degree or a diploma of the University in the Department of Textile Industries.

Failing a suitable candidate entering upon the first year course of study, the Scholarship may be awarded to a student who has already completed the first or second year of his attendance in the Textile Industries Department and is desirous of completing his degree or diploma course of study in that Department.

Preference will be given to candidates whose means are otherwise insufficient to enable them to pursue their studies in the University.

4. When a vacancy occurs, the Scholarship will be advertised in the press. Applications should be sent in to the Clerk to the Senate not later than June 30th. Applicants may be required to present themselves for a special examination, which will be held in September.

Yorkshire Union of Institutes
(Edward Baines Scholarship)

This Scholarship is intended for students of either sex who have done satisfactory work at Evening Technical Schools, or Classes; a suitable amount of workshop or mill experience will also ordinarily be required. Candidates must have been members of, or students at, an Educational Institute in affiliation with the Yorkshire Union of Institutes for at least twelve months prior to the date of application, and must have had two years' practical experience, which, in the opinion of the Council of the Union, is of a character allied to the trade or profession in preparation for which the Scholarship would be utilised. Applicants must not be under 18, or over 30 years of age.

The Scholarship will be of the value of £40 per year. This amount will cover the tuition fees, and leave a margin available for books, travelling expenses, &c. The Scholarship will be awarded in the first instance for one year, renewable for a second and a third year in the event of satisfactory progress.

If the holder of a Scholarship ceases to follow the approved Course of Instruction at the University during the currency of any educational year, the payments made on his or her behalf for such year, or such part of them as the Council of the Union may determine, must be refunded by the holder (or by the parent or guardian) unless the leaving be due to illness or some other cause which may be considered sufficient by the Council of the Union. Each holder (or his or her parent or guardian) must enter into an agreement to carry out this condition.

Applications must be made on Forms which may be obtained from the Secretary, The Yorkshire Union of Institutes, 20, Vernon Road, Leeds. These Forms must be filled up in every particular and despatched so as to reach the Office of the Union on, or before, June 30th, in the year when the Scholarship is offered.

Applicants for Scholarships should give full particulars of the whole of their previous work in fundamental or allied subjects, and preference will be given to any one who may have followed a Group Course of Instruction on recognised lines. Applicants will be required to give evidence of having studied for at least two winters in a Technical School, and to produce a nomination or recommendation from the Managers of the School, endorsed by their employers.

The selection will be based mainly upon the results obtained by the Candidates at the Examinations of the Board of Education, and the City and Guilds of London Institute, respectively; the Council of the Union reserve the right to hold any further examination, or impose any further requirement, in order to assist them in their selection of candidates.

AWARDED BY PUBLIC BODIES OR TRUSTEES

City and County Council Scholarships

Scholarships tenable at the University of Leeds in scientific and technical subjects (including Agriculture), as well as in Arts subjects, are offered by the Leeds City Council and the County Councils of the North, East, and West Ridings of Yorkshire.

In certain cases assistance is offered to students in Evening Classes.

For further information application should be made as follows :—

For Leeds City Council Scholarships : To the Director of Education (Higher Section), Education Department, Leeds.

For West Riding Scholarships and Free Studentships : To the Education Department, County Hall, Wakefield. Applicants should ask for Section X of Part II of the Handbook of the Education Committee.

For North Riding Scholarships : To the Secretary, County Education Offices, County Hall, Northallerton.

For East Riding Scholarships : To the Clerk, East Riding County Council, Beverley.

In all cases where there is a possibility of Scholarships being renewed, application for renewal should be made to the Clerk to the Senate not later than the end of the second term.

Board of Education Assisted Studentships

The Board of Education pay three-fourths of the fees in the following Day classes, and one-half of those in the Evening classes, for a limited number of teachers engaged in science teaching.

Applications for this privilege must be made to the Secretary, Board of Education, Whitehall, S.W.1, not later than the beginning of September in each year.

DAY CLASSES

Physics : Any of the lecture courses, not exceeding two in number ; laboratory instruction for not less than half a day per week.
Chemistry : Lectures and laboratory as above.
Geology : Lectures and laboratory as above.
Civil and Mechanical Engineering : Lectures and laboratory as above.
Electrical Engineering : Lectures and laboratory as above.
Zoology : The lecture courses, Introductory, Final and Honours ; laboratory instruction as above.
Botany : The lecture courses, Introductory and Final ; laboratory as above.
Mathematics : Any of the lecture courses, not exceeding two in number.
Agriculture : Any of the lecture courses, not exceeding two in number.
Agricultural Chemistry : Any of the lecture courses, not exceeding two in number. Laboratory instruction for not less than half a day per week.

EVENING CLASSES

Electrical Engineering: Any of the lectures and the practical classes.
Civil and Mechanical Engineering: Any of the lecture classes, laboratory or drawing instruction.

William Walker Exhibitions

These Exhibitions are intended to enable students to obtain at Leeds University scientific instruction of an advanced character in the Technology of Coal and its Bye-products and in the Technology of Leather. Each Exhibition is of the annual value of from £70 to £90 and (subject to the condition named below) is tenable for three years, with power of extension by the trustees for a fourth year in the case of an Exhibitioner who has shown exceptional promise during his course of training at the University. The continuation of the Exhibition each year after the first will depend on the work done by the Exhibitioner in the previous year being reported to the Trustees as satisfactory. The Trustees may, if they think proper, divide the income of each Exhibition between two candidates, or only award part of it in certain cases, as determined by circumstances.

Candidates for election to the Exhibitions must be natives of, or living in the Poor Law Unions of Whitehaven and Bootle, except the Urban District of Millom, and between the ages of 16 and 22.

Applications for leave to enter for the examination and any inquiries for further information should be addressed to the Secretary, Mr. A. C. Clifford, Secondary School, Whitehaven.

SENIOR SCHOLARSHIPS

Several of the Scholarships mentioned below were formerly awarded as Entrance Scholarships but are now offered for competition as Senior Scholarships and are normally open only to students who are actually in attendance at the University.

GENERAL REGULATIONS

1. Senior Scholarships are open to registered students of the University who have completed one or more sessions in the University ; but the Senate may at their discretion utilise Senior Scholarship Funds for making grants to students who have not completed one year's attendance in the University.

2. Senior Scholarships, unless otherwise specified, are awarded in the first instance for one year and are renewable.

3. Senior Scholars are in general required to pursue courses of study for degrees or post-graduate diplomas of the University.

4. In awarding the Scholarships consideration will be given to the financial circumstances of the candidates, and the Senate reserves the power of reducing the value of any Scholarship at any time.

5. Applications for Senior Scholarships must be sent to the Clerk to the Senate *not later than March 1st* of each year.

6. Senior Scholarships will be awarded on the results of the June degree and departmental examinations ; and the awards will be announced in July.

7. The following Senior Scholarships are offered for competition :—

Emsley.
Edward Baines.
Charles Wheatley.
William Summers.
Akroyd.
Brown.
Craven.
Salt.
Medical.
Infirmary.
Stephenson Clarke.
Alfred Lund.
Clothworkers'

DETAILED REGULATIONS

Emsley Scholarship

This Scholarship was endowed in 1886 by the late Thomas Emsley, Esq., of Burley-in-Wharfedale, who bequeathed £1,000 for the purpose of founding one or more Scholarships in the Yorkshire College.

The Scholarship is tenable in the Faculties of Arts, Science, or Technology (except Textile Industries).

Annual income, £42.

Edward Baines Scholarship

The Edward Baines Scholarships, founded in 1885, are established by the University in consideration of the sum of £3,000 which was raised to commemorate the public services of the late Sir Edward Baines. One-half of the sum annually devoted to this purpose is awarded by the University in the form of a Scholarship tenable by candidates who have attended a Public Elementary School within the City of Leeds; the other half is awarded in the form of a Scholarship by the Yorkshire Union of Institutes.

The Scholarship is tenable in the Faculties of Arts, Science, or Technology (except Textile Industries).

Annual income £40.

Charles Wheatley Scholarship

This Scholarship was established by the University in 1903, in consideration of the sum of £1,500 given by the Misses Robinson of Mirfield, and Mrs. Steele of Kettering, in memory of the late Charles Wheatley, Esq., of Mirfield. In case of equality of candidates, a preference is to be given to residents in Mirfield.

The Scholarship is tenable in the Faculty of Arts, and the Scholar elected will be required to pursue a course for the B.A. or LL.B. degree of the University.

Annual income £50.

William Summers Scholarship

This Scholarship was founded by Mr. and Mrs. Buckley, of Ryecroft Hall, Audenshaw, near Manchester, in memory of William Summers, Esq., late M.P. for Huddersfield, and for many years a member of the Court of the Victoria University.

Candidates for this Scholarship must have been resident in the Parliamentary Borough of Huddersfield during one full year, or must have attended a public school in the said Borough for the same period.

The Scholarship is tenable in the Faculty of Arts and the Scholar elected will be required to pursue a course for the B.A. Honours degree.

Annual income £35.

Akroyd Scholarship

These Scholarships are maintained by funds accruing from the Akroyd Trust, and are intended for the encouragement of the study of Natural Science. These Scholarships are tenable for three years.

Women are not eligible for the Akroyd Scholarships.

The Scholarships are tenable in the Faculties of Science or Technology.

Annual income, £320.

Brown Scholarship

These Scholarships were endowed in 1877 by the late Henry Brown, Esq., of Bradford and Rawdon, who bequeathed £5,000 to the Yorkshire College for the purpose of founding five or more Scholarships to be called the Brown Scholarships, for students attending the said College and receiving instruction in the various branches of those sciences which are applicable to the Industrial Arts.

A preference will be given, *ceteris paribus*, to candidates who have declared their intention of entering some industry instruction in the principles of which is given in the University, or of engaging in the teaching of Science. In the case of equality of candidates, a preference will be given to residents in Bradford or natives of Bradford.

The Scholarships are tenable in the Faculties of Science or Technology.

Annual income, £218.

Craven Scholarship

This Scholarship was established in the year 1887, by a number of the Engineers of Leeds, in recognition of the services rendered by the late Joseph Craven, Esq., to the Mechanical Engineering trades of the district.

Candidates must have been, previous to the day of examination, resident in the City of Leeds for a period or periods amounting together in the aggregate to at least five years, and be so resident at the time they present themselves for examination.

The Scholarship is tenable in the Faculty of Technology.

Annual income, £32.

Salt Scholarship

This Scholarship was founded by the late Sir Titus Salt, Bart., in 1875.

Candidates must be scholars or registered students of the University in at least their sixth term.

The value of the Scholarship is £20 a year, and it is tenable for two years.

The Scholarship is tenable in the Faculty of Arts, and the Scholar elected will be required to continue a course of study at the University preparatory for a degree in Arts of the University of Leeds. In the event of graduation at the end of the first year of tenure, the Scholar will be required to pursue a course of post-graduate study satisfactory to the Senate.

Medical Scholarship

This Scholarship was instituted by the Leeds School of Medicine in 1888. It now consists of a free ticket to the lectures and laboratory courses in the Faculty of Medicine of the University.

This Scholarship is tenable in the Faculty of Medicine and is awarded, after a report from the examiners, on the results of the *First* M.B. examination of the University of Leeds.

Infirmary Scholarship

This Scholarship was founded in 1888 by the Faculty of the Leeds General Infirmary. It is of the value of £68 and consists of a free ticket to the clinical teaching of the Leeds Infirmary. The holder is required to enter as a student for the whole medical curriculum at the University in the session following the date of examination.

This Scholarship is now awarded, after a report from the examiners, on the results of the *Second* M.B. examination of the University of Leeds.

Stephenson Clarke Scholarship

(Tenable in the Textile Industries Department and in the Department of Colour Chemistry and Dyeing).

1. The Scholarship was founded in 1926 by Colonel Stephenson Robert Clarke, C.B., LL.D., Master 1924-25 of the Clothworkers' Company who are the Trustees.

2. The endowment of the Scholarship consists of £1,000. The annual value of the Scholarship consists of the free income of this endowment and amounts approximately to £45 per annum.

3. The Scholarship will be awarded annually. Subject as hereinafter mentioned (para. 5) the Scholarship will be awarded in the first year to a student in the Textile Industries Department and in the following year to a student in the Colour Chemistry and Dyeing Department and will continue to be thus alternately awarded.

The object of the Scholarship is to enable the successful candidate to undertake a 3rd or 4th year course of study in one of these Departments, and candidates must be completing respectively their 2nd or 3rd yea attendance in either the Textile Industries or the Colou

Chemistry and Dyeing Department. A preference will be given to students completing a 3rd year and desiring to enter for a 4th year course of study.

4. The Scholarship is tenable for one academic year.

5. Failing the application of a qualified candidate for the Scholarship in the Department to which the Scholarship falls in a given year, the Scholarship may be awarded to another qualified student in the other Department, but without affecting the ordinary sequence.

6. Failing the application in any year of a qualified candidate in either Department, the amount of the Scholarship for that year shall be added to capital.

7. The appointment to a Scholarship shall be made by the Founder of the Scholarship during his lifetime out of nominations submitted by the Vice-Chancellor. Thereafter the appointment shall be made by the Court of the Clothworkers' Company in like manner.

8. Clauses 1, 2 and 3 of the General Regulations of the University of Leeds relating to Scholarships shall, so far as may be applicable, apply to the Stephenson Clarke Scholarship.

9. Power is reserved to the Founder (Colonel Stephenson Robert Clarke) during his lifetime and afterwards to the Trustees (the Clothworkers' Company), in the latter case after consultation with the Senate of the University of Leeds, to alter or modify the above Regulations, including the amount of the Scholarship or Scholarships to be awarded.

10. Any dispute or difference arising in regard to the construction of any of the above rules and regulations or conditions or in regard to any award made thereunder shall be settled by the Founder during his lifetime and afterwards by the Trustees, any such decision to be final and conclusive.

Applications to be sent to the Clerk to the Senate *not later than June 1st* of each year.

Alfred Lund Scholarship

1. This fund was instituted in 1924 by the late Alfred Lund, Esq., of Pudsey, for the purpose of assisting deserving students to complete their studies in the Departments of Colour Chemistry and Dyeing and Textile Industries, or to prosecute advanced study and research in some branch of knowledge germane to the dyeing and textile industries.

2. The number of Scholarships awarded each year will depend upon the number of suitable candidates and the amount of income available. The Scholarships are of the annual value of £25, which may be supplemented by a grant for maintenance not exceeding £100. They are awarded for one year and may be renewed.

3. Students who have attended courses of study for degrees or diplomas of the University in the Department of Colour Chemistry and Dyeing or the Department of Textile Industries, for not less than one session, are eligible for the Scholarships.

4. Holders of the Scholarships are required either to complete their courses for a degree or diploma in the Departments of Colour Chemistry and Dyeing or of Textile Industries, or, if they have completed such courses, to pursue advanced study and research in the University or in some other University or learned institution, under suitable guidance in a manner approved by the Senate.

5. The Scholarships are awarded by the Senate, on the recommendations of the Professors of Colour Chemistry and Dyeing and of Textile Industries, at the end of the summer term.

6. Scholars are required to furnish reports of the work done by them during the tenure of the Scholarship, such reports to be forwarded to the Clerk to the Senate before June 1st of the year following the award of the Scholarship, in order that they may be laid before the Senate.

Clothworkers' Scholarships

These Scholarships were founded in 1875 by the Worshipful Company of Clothworkers of the City of London, who offer the sum of £60 annually to provide one or more

Scholarships for students in the Department of Textile Industries. The Scholarships are open to students completing their first or second year of attendance in the Department and are tenable for one year.

The Scholarships are awarded on the results of the third term examinations.

Applications from candidates for these Scholarships must be sent to the Clerk to the Senate *not later than June 1st* in each year.

Walker-Wilson Textile Research Scholarships

In 1927 Mr. Ernest Walker and Mr. Stanley Wilson presented to the University jointly the sum of £100 a year for three years for the encouragement of Textile Research. Two Scholarships, each of the value of £50 a year, will accordingly be awarded under the following conditions :—

(1) Two Scholarships, each of the value of £50 a year, are open to Graduates or Diploma holders of the University of Leeds, or holders of similar qualifications of other approved Universities.

(2) The Scholarships shall be awarded in the first instance for one year, and may be renewed.

(3) Holders of these Scholarships shall conduct researches in the Department of Textile Industries under the supervision of the Head of the Department or of a member of the University staff nominated by him.

(4) The results of such researches shall be published in recognised scientific or technological journals.

(5) Applications will be received by the Clerk to the Senate *not later than May 1st* in each year.

GRADUATE SCHOLARSHIPS

In Arts, Science, Technology or Medicine

University Scholarships

A limited number of University Scholarships may be offered annually, and will ordinarily be awarded to students who have shown special merit in the Final examinations of the Honours Schools of the University. In the election to Scholarships, preference will ordinarily be given to students who are prepared to undertake advanced study or research. When such advanced study or research is undertaken in the University, or in some other University or learned institution, or under suitable guidance in a manner approved by the Senate, an additional maintenance grant not exceeding £100 may be made; in other cases the Scholarship will be of the value of £25.

Scholars who receive a grant additional to the £25 will be required to furnish a report of the work done by them during the tenure of the Scholarship, such report to be sent in to the Clerk to the Senate before June 1st of the year following the award of the Scholarship, in order that it may be laid before the Senate. Scholarships may be renewed for a second year when the scholar is undertaking advanced study or research.

Applications for renewal must be sent to the Clerk to the Senate before the end of the second term.

West Riding Research Grants

A sum of £500 has been earmarked by the West Riding Education Committee for the purpose of awarding Research Grants to West Riding students, on the recommendation of the University Authorities.

The recommendations are decided upon by the Senate on the results of Honours Degree Examinations.

IN THE FACULTY OF ARTS

John Rutson Scholarship

This Scholarship was founded by Mr. Henry Rutson of Northallerton, in memory of his brother Mr. John Rutson. It has been assigned to the Faculty of Arts for the encouragement of research, and the Scholar will be chosen from amongst those who have shown promise of ability to conduct such research.

The Scholarship is of the annual value of about £70 and is tenable for one year, but may be renewed for one year more.

The successful candidate shall be required to undertake advanced study or research in the University, or in some other University or learned institution, or under suitable guidance in a manner approved by the Senate.

The Scholar shall also be required to furnish a report of the work done by him or her during the term of the Scholarship, such report to be sent in to the Clerk to the Senate before June 1st of the year following the award of the Scholarship, in order that it may be laid before the Senate.

Applications for renewal must be sent in to the Clerk to the Senate before the end of the second term.

Gilchrist Studentship in Modern Languages

This Studentship was instituted in 1905 by the Gilchrist Educational Trust (founded by Dr. Gilchrist, who died in 1841) for "the benefit, advancement and propagation of education and learning in every part of the world, as far as circumstances permit." It is of the value of £80, is tenable for one year, and is open to graduates of either sex who have taken Honours in Modern Languages in the Final degree examination of the University, and who are proposing to enter the profession of teaching in secondary schools. The purpose of the Studentship is to enable the holder to pursue a special course of study abroad with a view to qualifying himself (or herself) for teaching modern languages in a secondary school.

The regulations are as follows:

1. The Studentship is awarded bi-ennially by the Gilchrist Trustees. The next award will be made in 1928.

2. Candidates must have obtained Honours in Modern Languages in the Final examination for a degree, and be recommended by the University after consultation with the Professors concerned, and after special inquiry into the suitability of the candidates for the profession of teacher in a secondary school. If possible, two names shall be submitted each year to the Trustees for their consideration. Save in exceptional circumstances, of which the Trustees shall be the sole judges, the examination must be that immediately preceding the date of application.

3. The holder of the Studentship will be required to follow a course of preparation for the profession of Modern Language teacher, and must submit his (or her) proposed course of work for the approval of the Trustees, who will take steps to satisfy themselves that the course of preparation proposed to be undertaken is suitable for the purpose in view.

4. The tenure of the Studentship is for one year beginning on the date of election, and the emoluments will be paid half yearly by the University on production of evidence that the proposed course of preparation is being satisfactorily carried out.

5. The Student will be required, at the expiration of the tenure of the Studentship, to send in to the Clerk to the Senate a report to the University, setting out the course of work and preparation which has been pursued, and this report together with a covering communication from the University shall be forwarded to the Trustees.

Bodington Memorial Fund

The Bodington Memorial Fund commemorates the work of the late Sir Nathan Bodington as Principal of the Yorkshire College and first Vice-Chancellor of the University of Leeds. It is devoted to the encouragement of advanced study in Greek and Latin (including language, literature, history, philosophy, and archæology) among graduates of the University.

The scheme for the administration of the Fund includes the following provisions:—

An award or awards will be made annually by the University whenever there are competent applicants.

The income will be allowed to accumulate when no awards are made, the accumulations to be treated as current year's income.

The award or awards will take the form of a Fellowship, Scholarship, Prize, or Grant, or any combination of these, as may seem from time to time practicable and desirable.

The income annually awarded is approximately £45.

Since the foundation of the Fund, grants have been made for the purchase of books and for visits to libraries or other centres of research. Awards of money may, however, be

made for any other objects cognate to the Trust. It is hoped that when the accumulated funds allow, a Fellowship or Scholarship tenable for one year may be awarded to a graduate who has published or prepared for publication a work of distinction in the field of classical learning.

Applications should be sent in to the Clerk to the Senate *not later than June 1st* in each year.

Lady Elizabeth Hastings Senior Scholarship

The authorities of Queen's College, Oxford, have instituted a Lady Elizabeth Hastings Senior Scholarship, tenable at that College, by graduates from the Leeds and Sheffield Universities, under the following conditions :—

1. This Scholarship shall be called the Lady Elizabeth Hastings Senior Scholarship, to be awarded with a view to a course of higher Humanistic study at the Queen's College in the University of Oxford, and shall be of the annual value of £125.

2. The Scholar shall be elected by the College, after or without examination, as they shall determine.

3. The Scholarship shall be confined to British-born students, being sons of British-born parents, of the University of Leeds or of Sheffield, who have passed with Honours all the examinations requisite for the degree of Bachelor of Arts in the University to which they belong and also have completed the third and not exceeded the fifth year from their admission to the University.

4. The Scholar shall be elected in the month of July and begin residence in the Michaelmas Term next succeeding, and the scholarship shall be tenable during residence for one year. At the end of which period the College may re-elect him for a further period of one year provided that they are satisfied with his industry and progress, and at the end of this second period the Scholarship shall determine.

5. The Vice-Chancellor of Leeds or the Vice-Chancellor of Sheffield in his turn may, upon the occasion of a vacancy, recommend in writing to the Provost one or more candidates for election.

6. The College will proceed to the election of a scholar, provided that, in their opinion, a suitably qualified candidate presents himself.

7. The Scholar shall reside within the University during the three academic terms of each year, and within the College for at least his first year.

8. The Scholar must be unmarried and will *ipso facto* vacate the scholarship on marriage, or upon his being elected to a Fellowship or other office of emolument, or if he ceases to be a member of the College.

IN THE FACULTIES OF SCIENCE OR TECHNOLOGY

1851 Exhibition Industrial Bursary

The Commissioners for the Exhibition of 1851 have established a scheme of Industrial Bursaries for young men who, after a course of training in a University or approved Technical College, desire to take up Engineering, Chemical or other industrial work. The Bursaries are intended, not to facilitate the continuance of collegiate studies by means of post graduate work, but to enable suitable applicants to tide over the period between their leaving College and obtaining remunerative employment in industry. The value of the Bursary will depend on the circumstances of the candidate, but will as a rule not exceed £150 a year.

A Bursar will be elected in the first instance for one year, but the tenure of his Bursary will ordinarily be prolonged for a second year provided that the Commissioners are satisfied with the work done by the Bursar during his first year. In special circumstances a Bursary may be renewed for a third year. The appointments to the Bursaries will be made by the Commissioners from among candidates recommended by the Authorities of certain selected Universities and Technical Schools.

N.B.—In the consideration of these recommendations great weight will be given to evidence that a candidate has the practical ability likely to lead to his advancement in industrial work; academic success alone is not a sufficient recommendation.

The candidate must be a British subject, under the age of 25, and must have been a *bona fide* student of Science

for a term of three years. He must further satisfy the Commissioners :—

(*a*) That he has obtained, or can, within a short period, obtain an industrial post to be approved by them.

(*b*) That he is in need of pecuniary assistance to enable him to hold such a post.

A Bursar may, if the Commissioners approve, spend part of the tenure of his Bursary in studying a special industrial process or processes in works either at home or abroad. No Bursar shall enter a firm as a premium pupil without the special consent of the Commissioners. A Bursar must submit to the Commissioners, on the expiration of each year of his Bursary, a satisfactory report of his work from his employers.

Applications will be received by the Clerk to the Senate *not later than May 1st* in each year.

Arthur Smithells Scholarship

This Scholarship was founded in 1926 from the balance, amounting to £2,079, of a fund raised to commemorate the services rendered to the University by Emeritus Professor Smithells, Professor of Chemistry 1885-1924. Its object is the elucidation by scientific research, in any Department of the University, of the phenomena of combustion, in the widest sense.

The Scholarship, of the approximate annual value of £100, is tenable in the first instance for one year, and may be renewed for a similar period or periods. The appointment is made at the close of the third term.

The Scholarship is open to graduates of the University. All candidates are required, when sending in their applications, to specify the subject in which they propose to undertake research.

The Scholar is required to pursue research in a Department of the University of Leeds, under the direction of the Head of the Department, and to present a report of his work, such report to be sent to the Clerk to the Senate before June 1st.

Applications should be in the hands of the Clerk to the Senate *not later than June 1st* in each year.

The Richard Reynolds Scholarship

This Scholarship was endowed in 1928 by the late Alderman F. C. Clayton, of Birmingham, who served his apprenticeship with the firm of Harvey and Reynolds, manufacturing chemists, Leeds, during the years 1859-1864. The donor bequeathed £2,000 for the purpose of founding a scholarship to be called " The Richard Reynolds Scholarship " in recognition of the valuable training received by him from Richard Reynolds during his apprenticeship.

The Scholarship, of the annual value of £100, is tenable for one year and may be renewed for a second or third year.

The Scholarship is open to graduates of the University who have graduated in the Faculty of Science or the Faculty of Medicine.

The Scholar is required to pursue research in some branch of Chemistry or Pharmacy in the University of Leeds, under the direction of the Head of the Department, and to present a report of his work, such report to be sent in to the Clerk to the Senate before June 1st.

The appointment will be made at the close of the third term. Applications should be in the hands of the Clerk to the Senate not later than June 1st in each year.

IN THE FACULTY OF TECHNOLOGY

Clothworkers' Research Scholarship in Colour Chemistry and Dyeing

This Scholarship, of the value of £60 a year, tenable in the Department of Colour Chemistry and Dyeing, will be awarded annually upon the results of the Final examination for the B.Sc. degree, preference being given to candidates who graduate with Honours in Applied Chemistry (Colour Chemistry and Dyeing).

The Scholarship will be awarded for one year, but may, at the discretion of the Examiners, be extended to a second year.

The Scholar will be required to devote his whole time to carrying out some special branch of research in Colour Chemistry or Dyeing.

Clothworkers' Research Fellowships and Scholarships in Textile Industries

These Scholarships and Fellowships are six in number and were instituted in 1928 from funds provided by the Worshipful Company of Clothworkers.

The Scholarships are of the annual value of £140 and the Fellowships of the minimum annual value of £160.

The Scholarships are open to graduates of the University of Leeds, to holders of the Diploma in Textile Industries of the University of Leeds, and to suitably qualified graduates of other Universities.

The Fellowships will normally be awarded to holders of Scholarships who have shown special aptitude for research work during their tenure of a Scholarship; but any duly qualified applicant may be granted a Fellowship on the ground of exceptional distinction without having previously held a Scholarship.

Both Scholarships and Fellowships are tenable for one year and may be renewed for one or more years.

The number of each to be awarded in any year will depend upon the funds available and on the number of suitable applicants.

Fellows and Scholars will be required to devote the whole of their time to research in some subject or subjects connected with the Textile Industries, under the direction of the Professor of Textile Industries, and to present a report of their work to the Senate not later than June 1st in each year.

The appointments will be made at the close of the third term. Applications should be in the hands of the Clerk to the Senate not later than June 1st in each year.

Clothworkers' Research Fellowships and Scholarships in Colour Chemistry

These Scholarships and Fellowships are two in number and were instituted in 1928 from funds provided by the Worshipful Company of Clothworkers.

The Scholarships are of the annual value of £140 and the Fellowships of the minimum annual value of £160.

The Scholarships are open to suitably qualified graduates of any University, but preference will be given to graduates of the University of Leeds who have graduated with Honours in Colour Chemistry or have obtained the Ordinary degree of Bachelor of Science in Dyeing.

The Fellowships will normally be awarded to holders of Scholarships who have shown special aptitude for research work during their tenure of a Scholarship; but any duly qualified applicant may be granted a Fellowship on the ground of exceptional distinction without having previously held a Scholarship.

Both Scholarships and Fellowships are tenable for one year and may be renewed for one or more years.

The number of each to be awarded in any year will depend upon the funds available and on the number of suitable applicants.

Fellows and Scholars will be required to devote the whole of their time to research in the Department of Colour Chemistry and Dyeing, under the direction of the Head of the Department, and to present a report of their work to the Senate, such report to be sent in to the Clerk to the Senate not later than June 1st in each year.

The appointments will be made at the close of the third term. Applications should be in the hands of the Clerk to the Senate not later than June 1st in each year.

IN THE FACULTY OF MEDICINE

Thorp Scholarship in Forensic Medicine and Hygiene

The Thorp prizes, instituted by the late Dr. Disney L. Thorp, one of the original founders of the Leeds School of Medicine, are now awarded as one annual Scholarship of about £25 to a student or graduate of the University prepared to carry out research work in some subjects bearing upon Forensic Medicine or Public Health. For particulars, application should be made to the Dean of the Faculty of Medicine.

FELLOWSHIPS

University Fellowship

University Fellowships may be awarded to graduates of the University within three years from the date of graduation. Such Fellowships will be of the value of £150 tenable for one year. The object of the Fellowships is the encouragement of research, and the Fellow will be required to devote the whole of the time during which he continues to hold the Fellowship to the pursuit of such research under conditions approved by the Senate. In special cases an additional grant not exceeding £20 may be made to the Fellow by a special vote of the Senate and Council to assist him in carrying out his researches. No Fellow shall be permitted to hold any paid appointment, or to undertake remunerative work without previous permission from the Senate, which shall have power in such cases to reduce the value of the Fellowship.

Fellowships will not be awarded except to candidates who have given evidence of qualifications for undertaking original work. Fellows are required to send in to the Clerk to the Senate a report of the work done by them during the tenure of the Fellowship before June 1st of the year following the award of the Fellowship, in order that it may be laid before the Senate. The Fellowships may, in exceptional instances, and with the consent of the Senate and Council, be renewed for a second year.

Applications for renewal must be sent in to the Clerk to the Senate before the end of the second term.

Gas Research Fellowship

The Fellowship, of the value of £200 per annum provided by the Institution of Gas Engineers, will be awarded by the Senate, on the recommendation of the Board of Science and Technology, to a duly qualified candidate for the prosecution of post-graduate research in gas chemistry. Preference will be given to candidates who have signified their intention of entering the coal gas industry, or in default of any such candidate, to a person qualifying for some other branch of fuel industry.

The award of the Fellowship will be made annually during the month of June, after due advertisement of it in the technical press and other appropriate journals.

It will always be within the power of the Senate, on the recommendation of the Board of Science and Technology, to renew the Fellowship to the holder of the same for a further period of a year, instead of proceeding to a fresh election.

The holder of the Fellowship shall undertake research work in the University under the direction of the Livesey Professor of Coal Gas and Fuel Industries on some subject connected with the chemistry of gases and combustion. The selection of the subject, and the method of carrying on the work, will be left to the judgment of the Professor responsible for its direction.

The University will provide, free of charge, all reasonable accommodation and facilities required for the prosecution of the research undertaken by the holder of the Fellowship, including working space and the use of such instruments and appliances installed as part of the equipment of the Fuel and Metallurgical Department. Any *special* expenses, not exceeding £25, incurred during the prosecution of the research will be defrayed by the Institution of Gas Engineers.

A report of the research work carried out by the holder of the Fellowship shall be submitted to the Council of the Institution of Gas Engineers, as well as to the Senate of the University, on or before May 1st of each year, together with copies of any papers published in connection with the research.

Research Fellowship in Colour and Textile Chemistry

A Research Fellowship of the value of £100 per annum, instituted by the Council on the recommendation of the Textile Industries and Dyeing Committee, will be offered from time to time by the Senate upon the recommendation of the Board of Science and Technology, for the prosecution of scientific investigations in Textile and Colour Chemistry, under the direction of the Professor of Colour Chemistry. Preference will be given to candidates who have graduated in the University of Leeds with Honours in Colour Chemistry.

The Fellow will be required to devote the whole of his time to the pursuit of the research in question, and (unless the results are published in the form of a communication to a scientific or technical journal) to present a report of the

work to the Senate, such report to be sent in to the Clerk to the Senate before June 1st of the year following the award of the Fellowship. It will be within the power of the Senate, on the recommendation of the Board of Science and Technology, to renew the Fellowship to the holder of the same for a second year, instead of proceeding to a fresh election.

James Edmondson Ackroyd Fellowship

By a Deed executed in 1918, in memory of the late J. E. Ackroyd, Esq., the relatives of Mr. Ackroyd placed in the hands of the University a sum of £4,000 to be held in trust for the maintenance of a Scholarship, or Fellowship, for the promotion of research work for the furtherance of the Textile Industry of the West Riding of Yorkshire.

In accordance with the provisions of the Trust Deed, a Fellowship entitled the "James Edmondson Ackroyd Fellowship" of the value of not less than £150 per annum will be awarded by the Senate on the recommendation of the Board of the Faculties of Science and Technology.

The Fellowship shall ordinarily be awarded for a period of three years, which may be extended by a special resolution of the Senate for a further period not exceeding three years.

The Fellow shall be required to devote his whole time to the prosecution of research on some subject or subjects, approved by the Board of Science and Technology, bearing upon the production of wool, silk or other textile materials, or the manufacture of textile fabrics.

A Committee shall be appointed by the Board of Science and Technology to exercise a general supervision over the conduct of the research.

In the award of the Fellowship preference will be given to graduates in Science or Technology, but the essential qualification shall be capacity to pursue the research proposed, and it shall be in the power of the Senate to award the Fellowship to a suitable candidate although he is not a member of the University. Preference will be given (*cæteris paribus*) to candidates born in the City of Bradford or resident there for a period of not less than five years immediately before the date of the appointment.

The award of the Fellowship will be made ordinarily in the month of June. *Applications for the Fellowship should*

be made to the Clerk to the Senate of the University on or before the 1st of May preceeding the date of the award.

Grants out of the surplus moneys of the Fund may be made by the Senate on the recommendation of the Board of the Faculty of Science and Technology to increase the value of the Fellowship in any year, or to provide additional facilities for the prosecution of the research by the Fellow.

Provisional reports of the research work conducted by the Fellow shall be laid by the Supervising Committee before the Senate on or before the completion of each year of tenure of the Fellowship. At the expiration of the full period of tenure a final report shall be submitted to the Senate, together with copies of any papers published in connexion with the research.

Sir Swire Smith Fellowship

This Fellowship commemorates the services rendered to national education by the late Sir Swire Smith, Hon. LL.D., Member of the Court of the University of Leeds, M.P. for Keighley, and a member of the Royal Commission on Educational Instruction, 1881-4.

For its endowment, a sum of about £3,000, collected by public subscription, chiefly through the efforts of Sir John Clough and Mr. Augustus Spencer, was placed in the hands of the University in May, 1920, to be held in trust for the maintenance of a Fellowship.

The Fellowship is awarded to a graduate of any Faculty of the University who has given evidence of qualifications for undertaking advanced work.

The award, as a rule, is biennial. The Fellowship is tenable for two years and the holder is required to undertake and pursue a course of advanced study and research approved by the Senate.

The annual value of the Fellowship is not less than £150.

The award of the Fellowship is made ordinarily in the month of June. Applications must reach the Clerk to the Senate of the University on or before the 1st of May preceding the date of the award. Each applicant must state the course of study which he proposes to follow and the University or other Institution for research to which he proposes to attach himself during the tenure of the Fellowship.

The Fellow is required to devote the whole of his time to the pursuit of the research in question, and to present a report of the work done to the Senate, such report to be sent in to the Clerk to the Senate before June 1st of the year following the award of the Fellowship. At the expiration of the full period of tenure a final report shall be submitted to the Senate.

Charles Edwyn Vaughan Fellowship

The late Emeritus Professor Charles Edwyn Vaughan bequeathed to the University a sum of £3,500 for investment for the purpose of founding a post graduate Research Fellowship.

The annual value of the Fellowship will be not less than £150. The Fellowship is awarded to such graduate in the Department of English, or History, or Economics, as shall be judged the most fit and proper to receive it, and to be capable of undertaking special research work in English, or History, or Economics.

The award as a rule is made every two years. The Fellowship is tenable for two years and the holder is required to undertake and pursue a course of research approved by the Senate.

The award of the Fellowship is made ordinarily in the month of June. Applications should reach the Clerk to the Senate of the University on or before the 1st of May preceding the date of the award. Each applicant must state the course of study which he proposes to follow and the University or other Institution for research to which he proposes to attach himself during the tenure of the Fellowship.

The Fellow is required to devote the whole of his time to the pursuit of the research in question, and to present a report of the work done to the Senate, such report to be sent in to the Clerk to the Senate before June 1st of the year following the award of the Fellowship. At the expiration of the full period of tenure a final report shall be submitted by the candidate to the Senate.

In the event of no candidate of sufficient merit and distinction presenting himself in any year, the interest available for that year will be expended in the purchase of books for the Libraries in the Departments of English and History and Economics.

Cancer Research Fellowships

These Fellowships, four in number, have been given through the Yorkshire Council of the British Empire Cancer Campaign by Sir William H. Aykroyd, Bart., Colonel Sir Edward Allen Brotherton, Bart., Capt W. Riley Smith and Mr. Bertram Parkinson, respectively for the prosecution of cancer research within the University. They will be awarded to duly qualified candidates by the Senate on the recommendation of the Board of the Faculty of Medicine after consultation with the Cancer Research Advisory Committee of the University of Leeds. They will be tenable for 1, 2, or 3 years, and may be renewed thereafter for such periods as the Senate may determine. The annual value of each Fellowship shall not exceed £500.

The holders of the Fellowship shall work under the direction of the Professor of Experimental Pathology (Director of Cancer Research) at such problems in the field of cancer research as he shall determine.

The Fellows will be required to devote the whole of their time to the prosecution of their researches and to present reports of their work to the Senate, unless the results are otherwise published in the form of communications to recognised scientific journals.

Fellows appointed for one year must submit a report on their work to the Clerk to the Senate at the end of that period. Fellows appointed for two years must send in an interim report at the end of the first year, and a further report at the end of the second year. Fellows appointed for three years must send in interim reports at the end of the first and second years, and a further report at the end of the third year. Similar reports will be required in the event of the renewal of the Fellowship. The tenure of the Fellowship will be conditional on such reports being satisfactory to the Professor of Experimental Pathology.

Appointment to vacant Fellowships may be made at any time ; renewal will be made in January or June. Vacancies will be announced as they occur and applications should be lodged with the Clerk to the Senate.

PRIZES

Gladstone Memorial Prize

The Trustees of the Gladstone Liberal Memorial Fund have established Gladstone Memorial Prizes to be given at the Universities and University Colleges in England, Scotland and Wales for special proficiency in History, Political Science, and Economics. An annual prize of the value of £10 has been offered to and accepted by the Council of the University. The prize will be given either wholly in books, or half in books and half in money, at the option of the prize-winner. The prize will be awarded under the following conditions :

1. The prize will be awarded in June of each year for an Essay on some subject connected with History or Political Science or Economics, and the subjects of the Essays will be announced in the preceding June.
2. It will be open to competition among all students of Day Classes of the University who are in attendance upon University lectures for not less than four hours per week. Dissertations sent in for the degree of B.A. with Honours upon subjects connected with History, or Political Science or Economics will be regarded as competing for the Essay.
3. No student who has once obtained the prize may compete a second time.
4. No Essay in consideration of which either wholly or in part, a University Fellowship or Scholarship shall have been awarded, shall be admissible for other than honorary recognition.
5. The Essay must be sent in to the Clerk to the Senate *not later than May 1st* in each year.

The Ripon English Literature Prize

The Committee formed to obtain for the University, by subscriptions, a portrait of the late Chancellor, the Marquis of Ripon, K.G., presented to the University the surplus funds, amounting to £180, for investment, with a view to providing an Annual Prize in the subject of English Literature to be called "The Ripon English Literature Prize."

A Prize to the value of £6 will accordingly be awarded annually, under the following conditions.

1. The prize will be awarded in June of each year for an Essay on some subject connected with English Literature, and the subjects of the Essays will be announced in the preceding June.
2. It will be open to competition among all students of Day Classes of the University who are in attendance upon University lectures for not less than four hours per week. Dissertations sent in for the degree of B.A. with Honours upon subjects connected with English Literature will be regarded as competing for the Essay.
3. No student who has once obtained the prize may compete a second time.
4. No Essay, in consideration of which, either wholly or in part, a University Fellowship or Scholarship shall have been awarded, shall be admissible for other than honorary recognition.
5. The Essay must be sent in to the Clerk to the Senate *not later than May 1st* in each year.

The Lucy Whitmell Prize

The late Mr. Charles T. Whitmell presented to the University the sum of £100 for investment, with a view to establishing a prize in Italian Language and Literature in memory of his late wife. A prize of the value of £5 will accordingly be awarded annually, under the following conditions:

1. The prize will be awarded in June of each year for an Essay on some subject in Italian connected with the life, works, and times of Dante, choice of a subject being left to the individual candidate.
2. It will be open to competition among all students of the University, including students in attendance on extramural courses under the supervision of the University.
3. No student who has once obtained the prize may compete a second time.

4. No Essay, in consideration of which, either wholly or in part, a University Fellowship or Scholarship shall have been awarded, shall be admissible for other than honorary recognition.
5. The Essay must be sent in to the Clerk to the Senate *not later than May 1st* in each year.

David Forsyth Prize

The sum of £238 was subscribed by past scholars of Dr. David Forsyth, for many years Head Master of the Leeds Central High School, for the endowment of a Forsyth Prize at the University. A prize of the value of £10 will accordingly be awarded annually under the following conditions :—

1. All students (men and women) who have completed an Honours course in Arts and Science, with the intention of becoming teachers in High or Secondary Schools are eligible.
2. Preference will be given to those candidates who have taken their preliminary education in Leeds High or Secondary Schools.
3. The prize will be awarded by the Senate in June of each year on the results of the examination for the Diploma in Education.

Dorothy Wharton Prize

The Council of the University have accepted the sum of £206 subscribed by friends and students of the late Miss Dorothy Wharton, who was for many years Geography Mistress at Leeds Thoresby High School for Girls, with a view to providing a prize open to women students in the Department of Geography at the University of Leeds.

The conditions of the award are under consideration.

J. B. Cohen Prize

This Prize was instituted in 1926 for the encouragement of chemical research, from the proceeds of a fund raised to commemorate the services of Julius Berend Cohen in the Department of Organic Chemistry as Lecturer, 1891-1904, and Professor, 1904-1925.

It is awarded annually by the Senate, on report from the Professors of Chemistry, Organic Chemistry and Physical Chemistry, to that successful candidate for the degree of

Ph.D. or M.Sc. whose thesis or dissertation shall have been adjudged to contain the most valuable contribution to knowledge in the subject of Chemistry.

The Senate reserves the right to withhold the award of the Prize in any year if no thesis or dissertation of sufficient merit has been presented.

The value of the Prize is approximately £10.

Foyle Prize

This prize, which was instituted in 1927 by Messrs. W. G. Foyle, Booksellers, London, is of the value of £5, which must be expended in books. The conditions of award are as follows :—

1. The prize will be awarded in December of each year for an Essay on some subject connected with the Scientific Method and the general Development of Science, and the subjects of the Essays will be announced in the preceding June.
2. It is open to competition among all undergraduate students of Day Classesin the Science Faculty of the University who are in attendance upon University lectures for not less than four hours per week.
3. No student who has obtained the prize may compete a second time.
4. No Essay, in consideration of which, either wholly or in part, a University Scholarship or Prize shall have been awarded, shall be admissible for other than honorary recognition.
5. The Essay must be sent in to the Clerk of the Senate *not later than December 1st* in each year.

Imperial Chemical Industries Ltd., Prizes in Mining

Two prizes are awarded annually by Imperial Chemical Industries Ltd., to students of the Mining Department under the following conditions :—

(1) The annual sum of £7 10s., shall be allotted annually at the discretion of the Head of the Mining Department.

(2) The sum shall be allotted as follows :—
£5 to the student who does best in the Final Mining Examination.

£2 10s., to the student who does best in Surveying, including Field Work, Drawing Office and Theory.

(3) No student shall be awarded both prizes at any time.

(4) No student shall be eligible unless he has had at least six months' practical experience in a mine.

Littlewood Prize in Anatomy

The late Colonel Harry Littlewood, formerly Professor of Surgery in the University, bequeathed a legacy of £1,000 to be applied for providing a Prize in the Anatomy Department, every year or in alternate years.

This prize will be awarded on the result of the examination in Anatomy for the Second M.B., Ch.B. in March of each year, provided that the candidates have attended the full course of Anatomy in this University, and that students for other qualifications who have attended the full course be permitted to compete for the prize.

Hardwick Prize in Clinical Medicine

This prize, of the value of ten pounds, is given annually on a competition which is held in February. Candidates must have been students in the School of Medicine of the University of Leeds for not less than eight terms; they must be attending the medical practice of the Leeds Infirmary; and they must have held or be then holding the office of Clinical Clerk in that Institution.

McGill Prize in Clinical Surgery

This prize, of the value of ten pounds, is given annually on a competition which takes place in February. Candidates must be students in the School of Medicine of the University of Leeds who have not at the time of the examination entered on their sixth year, and who have held at the Leeds Infirmary the following appointments:—In-patient dresser, ophthalmic dresser, in-patient medical clerk, post-mortem clerk, and gynæcological dresser.

Scattergood Prize in Obstetrics and Gynæcology

This prize, instituted in memory of the first Dean of the Medical Department, Yorkshire College, is awarded annually on a competition in Obstetrics and Gynæcology held in February.

The value of the prize, which consists of books or instruments, is five pounds.

Edward Ward Memorial Prize in Surgical Anatomy

The Edward Ward Memorial Prize in Surgical Anatomy of the value of £5 is awarded annually on a competition held under the following conditions:—

The Examiners for this Prize will be the Heads of the Departments of Anatomy and Surgery, and one of the Clinical Lecturers in Surgery to be appointed by the Board of the Faculty of Medicine.

The examinations will be held in March in the week preceding the Final examination, and will consist of: (*a*) a written paper, (*b*) *viva voce* examination on the living subject and (*c*) dissections.

Students are eligible irrespective of the qualifications for which they are working, and must be in their final year (normally fifth year) but due allowance will be made for those whose course has been extended by extra courses for the B.Sc., for the Primary Fellowship, or for some other reason satisfactory to the Board.

West Riding Panel Practitioner's Prize

The prize is awarded annually on the result (in Medicine only), of the Final M.B., Ch.B. examinations in March and September of the same year, provided that students who are working for other qualifications and are otherwise eligible be allowed to compete, and provided that the candidate obtaining the highest number of marks is deemed by the examiners to have attained a standard worthy of the award. Candidates must have received their clinical training wholly in the Leeds General Infirmary and will not be eligible to compete after three years from the date of passing the second M.B. or equivalent examination, excluding time occupied in working for a Final B.Sc. or Primary F.R.C.S. examination.

William Hey Medal

Sir Berkeley Moynihan has presented to the University the sum of £200 for investment, with a view of providing a gold medal for the most distinguished graduate with first-class Honours in the M.B., Ch.B. list of the Calendar year.

The award will be made by the Examination Committee in September on —

(*a*) The results of the Final M.B. (Part III) examinations held in March and September of the same year. Previous examinations (Second M.B. and Final M.B., Parts I and II) will also be taken into consideration.

(*b*) A consideration of the student's general standing, record and character. The successful student must have displayed qualities of such an order as to entitle to special distinction.

If two candidates show special merit and the funds of the trust allow, the examiners may recommend a double award.

Charles Rippon Medal

Mr. Charles Rippon, Ph.D., L.D.S., on his retirement from the Lecturship in Dental Mechanics, presented to the University the sum of £100 to provide a Silver Medal, to be awarded annually to the most distinguished student of the year in the School of Dentistry.

(1) Candidates for the Medal must be students who are in the final year*of a normal full curriculum for a qualification in Dental Surgery (B.Ch.D. or L.D.S.), and who have pursued the full qualifying course at Leeds University after registration.

(2) The award will be made in September by the Board of the Faculty of Medicine on the nomination of the Clinical Dental Committee. Only candidates who have attained a high standard of proficiency shall be eligible. In determining the award of the medal, account will be taken of the marks obtained in the Senior Operating Prize Examination as well as the reports of the tutors in the various clinical departments of the School.

(3) No student will be allowed to compete for the medal more than once.

(4) If two candidates show equal distinction two medals may be awarded, should there be sufficient funds for the purpose.

*In determining the final year due consideration will be given to the case of students who may have combined B.Sc. and M.B., Ch.B. courses with the dental curriculm.

Leblanc Medal

The Leblanc Memorial Committee presented the Victoria University with a portion of the surplus from the fund raised in France for the erection of a statue of the distinguished chemist, Nicholas Leblanc, the amount to be devoted to the encouragement of the study of Chemistry. On the foundation of a separate University in Leeds a share of the fund was vested in the University of Leeds.

Leblanc Medals may be awarded at the Final Examination for the Degree of B.Sc. in the Honours Schools of Colour Chemistry, Leather, and Fuel and Metallurgy to such students as are reported by the Examiners to have shown special distinction, and who are recommended jointly by the Internal Examiners in these subjects.

FINANCIAL GRANTS TO STUDENTS

Sir Michael Sadler Memorial Fund

The Committee formed to obtain for the University by subscription a portrait of the late Vice-Chancellor, Sir Michael Sadler, K.C.S.I., presented to the University the surplus fund amounting to £730 for investment to form the nucleus of a fund for assisting necessitous students. Applications for grants from this Fund should be made to the Clerk to the Senate *not later than May 1st in each year.*

Students' Loan Fund

The Council in 1921 established a Loan Fund out of which advances, not exceeding in any case two thirds of the tuition fee for the session, may be made to students needing financial assistance to enable them to complete their courses. The student receiving such an advance (or if a minor his parent or guardian) signs an undertaking to repay the sum lent when he is able to do so. Applications, which are treated in strict confidence, should be addressed to the Registrar from whom forms for the purpose, together with the detailed conditions, may be obtained.

Students' Aid Fund

A Fund was established by the Council in 1925 for the purpose of affording financial assistance in cases of proved

necessity. Applicants must be persons whose homes are in the British Isles and who are already students of the University at the time of making their applications. Forms of application and detailed conditions may be obtained from the Registrar. All information submitted will be treated as strictly confidential. While the advances made from this Fund are not loans it is hoped that recipients will make repayment when in later life they are able to do so, and by so doing enable the University to afford to future students help similar to that received by themselves.

Leighton Exhibitions

These Exhibitions were instituted in 1894 by the Trustees of the late Mrs. Isabel Leighton of Leeds.

Candidates must be registered students of the University of not less than two terms standing. They must have attended a Public Elementary school or schools in the City of Leeds for not less than three years.

Three Exhibitions are ordinarily offered each year, each of the annual value of £10, and are tenable for two years, and renewable for two years subject to the reports on the student's work during the first year of tenure being satisfactory.

The Exhibitions will not be awarded on any special examination, but *those students who are desirous of becoming candidates are required to send in their names to the Clerk to the Senate not later than May 1st in each year.*

In recommending candidates for appointment, the Senate will be guided by the position held by the candidates in their terminal examinations, and also by their general work and conduct. The need of the applicants for pecuniary assistance will also be taken into consideration.

The Exhibitions are tenable by day students pursuing any course of study in the Faculties of Arts, Science and Technology, and may, with the consent of the Trustees, be held in conjunction with any other Scholarship.

The election will be made in the third term of the session, provided that there be suitable applicants.

Leeds City Council Fund

This Scholarship was founded by the Council of the University, in 1892, out of the sum voted by the Leeds City Council, and up to 1912 was awarded as an Entrance Scholarship. In 1912 the Council, on the recommendation of the Senate and with the approval of the City Education Committee, decided to utilise the money in extending the courses of deserving and necessitous Leeds students in attendance at the University.

In recommending candidates for appointment, the Senate will be guided by the position held by the candidates in their terminal examinations, and also by their general work and conduct. The need of the applicants for pecuniary assistance will also be taken into consideration.

Applications must be sent in to the Clerk to the Senate not later than May 1st in each year.

John Goodman Testimonial Fund

The income from the invested capital contributed by old students and friends of Emeritus Professor Goodman will be expended in making grants of Drawing Instruments or Text Books on Engineering. The value of each grant will be approximately £5

No student is eligible to receive a grant unless he has, prior to entering the University, worked for at least 12 months in an Engineering workshop (not an office) carried on purely for industrial purposes.

The grants will be made to students requiring financial assistance and who are pursuing a three years' course of instruction in Civil, Electrical or Mechanical Engineering. Applications for grants must be made in writing to the Professor of Engineering during June of the student's first year. Successful candidates will receive their instruments or text books at the beginning of their first long vacation.

The Professor of Engineering will select the candidates and will recommend the Senate to make the awards accordingly. The names of the students receiving grants will not be made public, and no mark shall be put on the Instruments or Books which will allow of them being identified as coming from the Fund.

GRADUATES OF THE UNIVERSITY OF LEEDS

(*The names of deceased graduates are printed in italics*)

Honorary Graduates

Doctor of Laws

1904 *Lady Frederick Cavendish*
Archbishop Maclagan
The Duke of Devonshire
The Earl of Harewood
Viscount Cross
Lord Herries
Lord Allerton
Rt. Hon. Arthur Herbert Dyke Acland
Sir Francis Sharp Powel, Bart., M.P.
Sir John Barran, Bart., M.P.
Sir Charles Hubert Hastings Parry, Bart.
Sir Alexander Campbell Mackenzie
Sir Charles Villiers Stanford
Sir Edward Elgar
Sir William Bousfield
Henry Walford Davies
Rt. Hon. Charles George Milnes Gaskell
Charles Wood

1906 *Lord Wenlock*
Sir Owen Roberts

1909 Cosmo Gordon Lang, the Archbishop of Canterbury
Thomas Walter Harding

1910 The Duke of Devonshire
The Earl of Oxford and Asquith
The Earl of Crewe, K.G.
The Marquis of Lansdowne, K.G.
Rt. Hon. James William Lowther
Sir Hugh Bell, Bart.
Field Marshal the Rt. Hon. Lord Nicholson. G.C.B.
Sir Alfred Hopkinson
Arthur Greenhow Lupton

1912 Arthur Cooper
Anna Paulina Eddison
Sir William Edward Garforth
The Rev. William Hulton Keeling
Sir Swire Smith

1915 David Forsyth

1919 Field-Marshal Viscount Plumer
John Rawlinson Ford
Charles Lupton
John Mews

1920 *Field-Marshal Earl Haig*
The Rev. Canon John Neale Dalton
Peter Macintyre Evans
John Bickersteth
William Henry Barber

1922 Arthur Copson Peake
Henry Illingworth Bowring
Benjamin Broadbent
Henry McLaren
Charles Francis Tetley
Admiral of the Fleet, Earl Beatty
Rt. Hon. David Lloyd George

1923 Lord Irwin of Kirkby Underdale
Sir Charles Henry Wilson
Lord Brotherton of Wakefield
John William Dent
Sir William Worsley, Bart.
Edwin Talbot
James Edward Willans

1924 The Earl of Balfour
Edmund George Arnold
Stephenson Robert Clarke.
Lord Moynihan of Leeds

Sir Percy Richard Jackson
Joseph Lowden
William Foot Husband
1925 H.R.H. Princess Mary Viscountess Lascelles
Sir Arthur Stanley
1926 Sir David Milne Watson
1927 The Rt. Hon. Thomas Robinson Ferens
The Rt. Hon. Philip Snowden
Sir James Roberts, Bart.
Sir Arthur Keith
The Duchess of Atholl
The Hon. Sir Charles Parsons
1928 The Rt. Hon. John Henry Whitley
Ina Kitson Clark
1928 Her Grace the Duchess of Devonshire
Sir Albert Ernest Bain
Alexander Campbell
Morton Latham
1929 Sir Algernon Freeman Firth, Bart

Doctor of Letters

1904 *Sir Albert Kaye Rollit*
Alfred Austin
Andrew Martin Fairbairn
Joseph Wright
1906 *Bishop Boyd Carpenter*
Sir Charles Holroyd
1907 *The Rev. Robert Collyer*
1910 *Francis John Haverfield*
Arthur Sidgwick
1914 *Charles Edwyn Vaughan*
Emile Verhaeren
1915 *The Rev. Charles Hargrove*
The Rev. Philip Henry Wicksteed
1919 Charles John Holmes
1922 Dr. Thomas Banks Strong, Bishop of Oxford
Bruce Richmond
1923 Rt. Hon. the Earl of Ronaldshay
1924 Sir Michael Ernest Sadler
Hannah Robertson
Herbert Thompson
1928 Charles Talbut Onions.
1929 William Edwards
Dr. Walter Howard Frere, Lord Bishop of Truro
Lucy Augusta Lowe

Doctor of Science

1904 *The Earl of Rosse*
Lord Kelvin
Lord Airedale
Sir Isaac Lowthian Bell, Bart.
Sir William Henry Broadbent, Bart.
Sir Arthur William Rucker
Tempest Anderson
Sir Jonathan Hutchinson
John Hughlings Jackson
Louis Compton Miall
Arthur William Mayo-Robson, C.B.
Thomas Pridgin Teale
Sir Thomas Edward Thorpe
Claudius Galen Wheelhouse
1906 *Sir William Henry Perkin*
Sir Thomas Clifford Allbutt
Heinrich Caro
Alfred Grandidier
Albin Haller
Sir Edwin Ray Lankester
Carl Theodor Liebermann
Carl Alexander von Martius
Paul Pelseneer
Heinrich Rubens
Herbert Hall Turner

1909 Sir James Crichton-Browne
Sir Ronald Ross, K.C.B.
1910 *Lord Rayleigh*
Sir Clements Richard Markham, K.C.B.
Sir William Osler, Bart.
1912 Charles Carpenter
Adolph Greiner
Sir Robert A. Hadfield Bart.
Thomas Newbigging
Friedrich Springorum
John Edward Stead
Sir Corbet Woodall
1914 *Henry Richardson Procter*
1915 Harold Wager
1919 Sir Henry Bradwardine Jackson
Sir Alfred Keogh
Sir Almroth Wright
Sir William Henry Bragg
John Gilbert Baker
1922 Sir Harold Stiles
Sir Charles Scott Sherrington
le Duc de Broglie
Carl Georg Johannes Petersen
Pierre Weiss
Sir Dugald Clerk
Sir Frank Watson Dyson
Sir Richard Arman Gregory
1923 Arthur Smithells
William James Mayo
1924 Julius Berend Cohen
John Edwin Eddison
1926 Percy Fry Kendall
1927 Arthur George Perkin
Frederick Orpen Bower
John Scott Haldane
Robert Andrews Millikan
Nevil Vincent Sidgwick
1929 Thomas Wardrop Griffith
Charles Horace Mayo

Doctor of Philosophy

1927 James Graham
1928 Charles Rippon.

Master of Science

1914 Thomas Scales Carter
1915 *Thomas Hudson Nelson*
William Denison Roebuck
Thomas Sheppard
John William Taylor
1915 John Grimshaw Wilkinson
Thomas William Woodhead
1922 Richard William Haydon
1928 William Sinton Thorburn
Walter Marston

Master of Arts

1906 *Thomas Percy Sykes*
1917 Herbert Austin Fricker
1919 Francis Vaughan Hall
1922 Archibald Edward Wheeler
Edith Bessie Cook
1922 Bernard Horner
1923 *Frank Kidson*
Frederick Peake
1924 George Robinson Brench
1927 Fred Barraclough

Graduates

Abdullah, Khatoon Jahan Begum, Dip. Ed 1928; M.A. 1929.
Abell, William Clifford, M.B., Ch.B., 1924.
Abrahams, Solomon, B.A., 1908.
Abrams, Max, M.B., Ch.B., 1927.
Abrams, Nathan, B.Sc. Hons. Chem. III, 1915; M.Sc., 1919.
Abrams, Sam Philip, B.A., 1914.
Acklam, William Richard, B.Sc., 1915.
Ackroyd, Clement Henry, M.B., Ch.B., 1924.
Ackroyd, Herbert, Dip. Dyeing 1921; B.Sc. Hons. Col. Chem. I., 1922; M.Sc., 1923.
Ackroyd, John Prest, B.Sc., 1905.
Ackroyd, Louis, B.Sc. Hons. Chem. II. 1912.
Ackroyd, Percy, Dip. Dyeing 1924; B.Sc. Hons. Col. Chem. I., 1925; M.Sc., 1926.
Ackroyd, Tom Hollings, B.Sc., 1922.
Acomb, John, M.B., Ch.B., 1911.
Adams, Doris Elizabeth Mary, B.Sc., 1925.
Adderley, Charles, B.Sc. Hons. Mech. Engrg. II., 1928.
Addingley, Charles Gordon, B.Sc. Hons. Chem. I., 1925; Ph.D., 1927
Addison, Herbert, B.Sc. Hons. Engrg. I., 1909.
Addy, Reginald, B.A. Hons. Mod. Langs. II., 1925; Dip. Ed. 1926.
Adgie, Charles Rothery, M.B., Ch.B., 1928.
Adler, Saul, M.B., Ch.B., 1917.
Advani, Pokarsing Sarupsing, B.Sc. Hons. Civil Engrg. II., 1928.
Agar, Herbert, B.Sc. Hons. Physiol. II., 1929.
Agar, Herbert William, M.Sc., 1905.
Airey, Cecil Philip, B.Sc., 1911.
Aked, Hulda, B.A. Hons. Hist. II., 1928; Dip. Ed., 1929.
Aked, Thomas Leslie, B.A. Hons. Hist. II., 1925; M.A., 1927.
Akehurst, Herbert Farrant, B.Sc. Hons. Elec. Engrg. II., 1925.
Alam, Abdel Aziz Abou, B.Sc. Hons. Maths. III., 1925; M.Sc., 1927.
Aldcroft, Arthur George James, B.Sc. 1924; Dip. Ed., 1925.
Aldersley, Arthur Howard, B.Sc. 1911.
Alderson, Henry, B.Sc., 1927; Dip. Ed., 1928.
Alderson, Lilian Mary, B.A., 1927.
Alexander, Mary Baker, (Mrs. Cook), M.B., Ch.B., 1925.
Ali, Mir Ahmad, Dip. Ed., 1927; M.Ed., 1928.
Alikhan, Mirza Najaf, B.A., 1929.
Allcock, Evelyn, B.A. Hons. Eng. II., 1922; Dip. Ed. 1923.
Allen, Dilys Gwendoline, B.A. Hons. French II., 1928; Dip. Ed., 1929.
Allen, Francis Vernon, M.B., Ch.B., 1927.
Allen, Frederick, B.Sc. 1923.
Allen, Lilian, (Mrs. Moore), B.Sc. 1905.
Allen, Phyllis, B.A. Hons. Mod. Langs II., 1926; Dip. Ed., 1927.

Allen, Spencer, B.Sc., 1915.
Allerton, Ethel, B.A. Hons. Hist. II., 1929.
Allison, Ada, B.A. Hons. Hist. II., 1929.
Allison, Amy, B.A., 1926.
Allison, David Rhodes, M.B., Ch.B., Hons. II., 1925; M.D., 1926.
Allison, Philip Rowland, B.Sc. Hons. Physiol I., 1927.
Allott, Effie Gwen, B.A., 1909.
Allott, Wilfrid, B.A. Hons. Mod. Langs. I., 1914.
Allright, Elizabeth Doris, B.Sc. Hons. Bot. I., 1923; Dip. Ed. 1924.
Allsopp, Mildred, B.Sc., 1920.
Altman, Lionel, LL.B. Hons. III., 1928.
Alton, Beatrice Mabel, B.A., 1916.
Alton, Freda Kathleen, B.A. Hons. Mod. Langs. II., 1925; Dip. Ed., 1926.
Ambler, Francis William, Dip. Dyeing 1922; B.Sc. Hons. Col. Chem. II., 1923; M.Sc., 1924; Dip. Ed. 1926.
Amies, Francis Alan, B.A. Hons., French II., 1924.
Anderson, Frank, B.Sc., 1924.
Anderson, Frederick William, B.Sc. Hons. Geol. I., 1926; Dip. Ed., 1927.
Anderson, Harold Henry, B.Sc. Hons. Mech. Engrg. III., 1927.
Anderson, John, B.A., 1906.
Anderson, Leonard, B.Sc., 1915; M.Sc., 1916.
Anderson, Lucy Margaret, B.A. Hons., Eng. II., 1918.
Anderson, Mabel Maud, Mrs. Dyer, B.A. Hons. Hist. II., 1912.
Anderson, Mrs. (see Carter, Winifred Mary).
Anderson, Oswald, B.Sc., 1924; M.Sc., 1926.
Anderson, William Jenkins Webb, M.B., Ch.B., 1905; M.D., 1906.
Anderton, Louisa, B.A., 1909.
Anderton, William Dinsdale, M.B., Ch.B., 1914.
Andrade, Esther Lorna, B.A. Hons. Mod. Langs. II., 1925.
Andrade, Ruth Daisy (Mrs. B. C. Thompson), B.Sc. 1924; Dip. Ed. 1925.
Andrew, Bruce Bristow, B.Sc., 1925.
Andrews, Stewart, B.A. Hons. Geog. II., 1929.
Andrews, William Allen, M.Sc., 1905.
Anfield, Annie Elizabeth, B.Sc., 1920.
Angel, Harry, M.B., Ch.B. Hons. II., 1912.
Angood, Edith, B.Sc. Hons. Zool. II., 1929.
Angus, Harold Thomas, B.Sc., 1923; B.Sc. Hons. Fuel and Met. I., 1924; M.Sc., 1924; Ph.D. 1926.
Angus, Leslie Herbert, B.Sc. Hons. Chem. II., 1924; Dip. Ed., 1927.
Anning, Mrs. (see Edgecombe, Dorothy Minna).
Anson, Emily, B.Sc., 1906.
Anson, Jane Ridsdale, B.A., 1912.
Apparsundaram, Thirupananzadu Virabhadra, M.Ed., 1924.
Appleton, Mrs., (see Lister, Mary Florence Grace).

Appleton, Mary Helena, B.Sc., 1929.
Appleyard, Ada Evelyn (Mrs. Hammond), B.Sc., 1909.
Appleyard, Alfred, B.Sc. Hons. Chem. II., 1910; M.Sc., 1912.
Appleyard, Cyril John Snowden, B.Sc. Hons. Engrg. I., 1926.
Appleyard, Harry, Dip. Dyeing 1922; B.Sc. Hons. Col. Chem. II., 1923.
Appleyard, John Henry Ross, B.Sc., 1905.
Archibald, Myles Falcon Downes, LL.B. Hons. II., 1922.
Aref, Youssef Hafez el, B.Sc. Hons Engrg.II., 1924; M.Sc. 1925.
Ark, Harry, B.Sc., 1910; M.Sc., 1911.
Arkley, Mary Constance, B.Sc., 1929.
Armes, Henry Percy, B.Sc. Hons. Chem. I., 1905.
Armes, Jane Prue, B.Sc., 1906.
Armin, Edwin Bates, B.Sc., 1909; M.Sc., 1910.
Armitage, Bernard, B.Sc., 1921.
Armitage, Catharine, B.A., 1913.
Armitage, George, M.B., Ch.B. Hons. I., 1921; Ch.M., 1926
Armitage, Harry, B.Sc., 1908.
Armitage, John Henry, B.A., 1905.
Armstrong, Constance Elizabeth, B.A. Hons. French I., 1928; Dip. Ed., 1929.
Armstrong, Henry, B.Sc. Hons. Physics I., 1925. M.Sc., 1926.
Armstrong, Lilias Eveline, B.A., 1906.
Armstrong, Norman, B.A. Hons. Philos. III., 1922.
Armstrong, William Leslie, B.Sc., 1912.
Arnold, Edith, B.A., 1911.
Arnold, Jane, B.A., 1918; M.A., 1919.
Arnold, Joseph Sykes, B.Sc., 1909.
Ashbey, James Sydney, B.Sc., 1921.
Ashburner, Frederick, B.A. Hons. Classics II., 1906; M.A., 1908.
Ashby Elizabeth Grover, B.A., 1929.
Ashby, William Ewart, B.Sc. Hons. Maths. III., 1907; M.Sc., 1908.
Ashton, George Richard, B.A. Hons. Eng. II., 1926; Dip. Ed., 1927.
Ashton, Ronald, B.A. Hons. Mod. Langs, I., 1926; Dip. Ed., 1927.
Aston, Marian Gladys Stewart. B.A., 1913.
Astrinsky, Emmanuel, LL.B. Hons. III., 1929.
Atkin, Ethel, B.Sc. Hons. Maths. II., 1923; Dip. Ed., 1924.
Atkin, John, B.Sc. Hons. Leather I., 1921; M.Sc., 1922.
Atkin, William Rearden, B.Sc. Hons. Chem. I., 1911; Hons. Leather I., 1912; M.Sc., 1912.
Atkinson, Clifford, B.Sc. Hons. Leather II., 1923; M.Sc., 1924.
Atkinson, Elsie May, B.Sc., 1913.
Atkinson, George Stanley, B.A., 1922.
Atkinson, Janet, B.A., 1905.
Atkinson, John, M.B., Ch.B., 1923.
Atkinson, John Arthur, B.Sc., 1925; Dip. Ed., 1926.
Atkinson, Stanley Jackson, B.Sc., 1920; M.Sc., 1923.

Attenborough, Herbert Knight, B.A., 1922.
Attree, Gordon Frederick, Dip. Dyeing 1925; B.Sc. Hons. Col. Chem. I., 1925; M.Sc., 1926; Ph.D., 1928.
Austick, Annie Lister, B.A. Hons. Hist. II., 1926; Dip. Ed., 1927.
Austin, Emily, B.A. Hons. Hist. III., 1922; Dip. Ed. 1923.
Auty, Clifford Marshall, B.Sc., 1914.
Auty, Louisa Anne, B.A., 1928.
Auty, Winifred, B.A. Hons. Eng. II., 1925; Dip. Ed. 1926.
Ayers, Gladys, B.A., 1922.
Ayton, Margaret, B.A. Hons. Eng. III., 1923. Dip. Ed. 1924.

Backwell, Maurice, B.Sc. Hons. Physiol. II., 1923; M.B., Ch.B., 1925.
Baddiley, James, B.Sc. Hons. Col. Chem. I., 1907.
Baggott, Enoch, B.A. Hons. Philos. III., 1929.
Bailey, Annie Rosa, B.Sc., 1908; Dip. Ed., 1909.
Bailey, Charles Geoffrey, LL.B., 1923.
Bailey, Fred, M.B., Ch.B., 1905.
Bailey. Hilda Muriel, B.A. Hons. Eng. III., 1923; Dip. Ed., 1924.
Bailey, Lulu Mary, B.Sc., 1924.
Bailey, Mary, B.A. Hons. Eng. II., 1923; Dip. Ed., 1924.
Bailey, Mary Irene, B.Sc., 1926.
Bailey, Norman, B.Sc., 1921; Dip. Geog., 1923; M.Sc., 1927.
Bainbridge, Charles William, B.Com., 1928; Dip. Ed., 1929.
Bainbridge, Dorothy Mary, (Mrs. Woodhead), B.A., 1917.
Bainbridge, James Scott, B.Sc. Hons. Chem. I., 1910.
Baines, Hampson, B.A., 1920.
Bairstow, Dorothy, B.A. Hons. Mod. Langs. II., 1918; Dip. Ed. 1919.
Bajwa, Kapur Singh, Ph.D., 1928.
Baker, Beatrice Ida, B.Sc., 1920.
Baker, Fanny Beatrice, B.A. Hons. Classics II., 1927; Dip. Ed. 1928.
Baker, Harold Stanley, B.Sc., 1926.
Baker, Joshua, LL.B., 1929.
Baker, Ruth Eveline, B.A. Hons. Eng. III., 1918.
Bakes, William Edgar, B.Sc. 1921; M.Sc., 1922.
Bakhoom, Naguib Ghaly, B.Sc. Hons. Maths. II., 1929.
Baldwin, Herbert, B.Sc. Hons. Physics III., 1929.
Bales, Sidney Hartley, B.Sc. Hons. Chem. III., 1911; M.Sc., 1918.
Ball, Mrs. (see Harrison, Amy Geraldine).
Bamford, Jane, M.B., Ch.B., 1918.
Bancroft, Harriet Rhodes, B.Sc., 1925; Dip. Ed. 1926.
Bandyopadhyay, Roy Bankim Chandra, Dip. Dyeing, 1923; B.Sc. Hons. Col. Chem. III., 1923; M.Sc., 1924.
Banerji, Phakirdas, Dip. Ed., 1926; M.Ed., 1927.
Banham, Irene Petrie, B.Sc., 1924.

Banks, Doreen, B.A. Hons. French II., 1925; Dip. Ed. 1926.
Banks, Evelyn, B.A. Hons. Eng. II., 1917.
Banks, John Cook, B.A., 1912.
Banks, Philip Gray, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. I. 1922; M.Sc., 1923.
Banks, Reginald Scaife, B.Sc., 1922.
Bannister, Albert, B.Sc. Hons. Elec. Engrg. I., 1909.
Bannister, Cyril Bradley, B.Sc. Hons. Col. Chem. III., 1924; M.Sc., 1925.
Bannister, Sydney Hubert, B.Sc. Hons. Col. Chem. II., 1927; M.Sc., 1928.
Barford, Roland, B.Sc., (*aegrotat*), 1926.
Barker, Aldred Farrer, M.Sc., 1906.
Barker, Arthur, B.Sc., 1925; B.Sc. Hons. Chem. III., 1926; M.Sc., 1926.
Barker, Austin Stansfield, B.Sc., 1924.
Barker, Christopher James, B.Sc. Hons. Engrg. I., 1908.
Barker, Doris Wright, B.A. Hons. Mod. Langs. I., 1919; Ph.D., 1923.
Barker, Edith Margery, LL.B. Hons. I., 1928.
Barker, Eric Victor, B.Sc., 1921.
Barker, Fred, B.Sc., 1925; Dip. Ed., 1926.
Barker, George, B.Sc. Hons. Chem. II., 1922; Dip. Textiles, 1922; M.Sc., 1922; Ph.D., 1926.
Barker, Hilda, B.A. Hons. Hist. II., 1922; Dip. Ed., 1923.
Barker, Ida, B.A. Hons. Hist. II., 1920.
Barker, John Henry James, B.Sc. Hons. Geol. II., 1924; M.Sc., 1925; Dip. Ed. 1925.
Barker, Mabel, B.A. Hons. Hist. II., 1926; Dip. Ed,. 1927.
Barker, Mrs. (see Whiteley, Constance).
Barker, Sarah Nora Schofield, M.B., Ch.B., 1925.
Barker, Stanley, B.A., 1922.
Barlow, Percival Smith, B.Sc., 1905.
Barnes, Arthur, B.Sc., 1922.
Barnes, Colin, B.Sc. Hons. Physics I., 1922; M.Sc., 1923.
Barnes, David Errington, B.Sc. Hons. Physics III., 1927; Dip. Ed., 1928.
Barnes, Walter Egbert, B.A., 1919.
Baron, Edward, M.B., Ch.B., 1922.
Barraclough, Edward, B.Sc. Hons. Chem. II., 1925; M.Sc., 1925.
Barraclough, Harold, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. III., 1922; M.Sc., 1923.
Barraclough, Joseph Boothroyd Wilson, LL.B., 1929.
Barran, Emma Bottomley, B.A., 1919; Dip. Ed., 1920.
Barras, Elsie Clara, (Mrs. Hammond), B.A., 1905.
Barratt, Arthur, B.Sc. Hons. Physiol. II., 1924; M.Sc., 1925; M.B., Ch.B., 1926.
Barratt, Stephen, B.Sc., 1925; B.Sc. Hons. Agric. II., 1926.
Barratt, Walter Alfred, B.Sc. Hons. Engrg. II., 1919; M.Sc., 1921.

Barrett, Ernest, B.A. Hons. Philos. III., 1920; M.A., 1923.
Barrett, John Douglas, B.Sc. Hons. Chem. III., 1913.
Barrett, John Oliver, B.A., 1927.
Barron, Andrew Irvin, B.Sc. Hons. Chem. III., 1924; M.Sc. 1925; Dip. Ed., 1925.
Barrow, William, B.Sc., 1922.
Barry, Leonard Alan, B.Sc., 1920.
Bartholomew, Edna, B.A. Hons. Eng. II., 1925; Dip. Ed. 1928.
Bartholomew, Gertrude, B.Sc., 1916.
Bartholomew, Herbert, B.Sc. Hons. Chem. II., 1925; M.Sc., 1929; Dip. Ed., 1929.
Bartle, Arthur, B.A., 1910; M.A., 1912.
Bartle, Ida, B.A., 1906.
Barton, Edith Beatrice (Mrs. Rheinalt-Jones), B.Sc., 1905 Dip. Ed., 1905.
Barton, Mary Dorothea (Mrs. Whewell), B.A., 1920.
Barton, Thomas Herbert, B.Sc. Hons. Physics III., 1929.
Baryaktarovitch, Miodrag, B.Sc., 1922.
Basleigh, Dorothy, B.A. Hons. Eng. II., 1924; Dip. Ed., 1925.
Bassett, Mrs., (see Sutcliffe, Helen May).
Bastable, Arthur Langford, M.B., Ch.B., 1911.
Bastide, Ernest Percival, LL.B., 1915.
Basu, Praphulla Behari, B.Sc., 1925.
Batchelor, Edith, B.A. Hons. Mod. Langs. III., 1909.
Batchelor, Mabel Shaw, B.A. Hons. Eng. II., 1921.
Bate, Edward, B.Sc., 1927.
Bate, Ethel, B.A. Hons. Mod. Langs. II., 1921; Dip. Ed., 1922; M.A., 1924.
Bate, Herbert Roland, B.A., 1920.
Bates, Alan Butler, B.Sc., 1929.
Bates, Nellie, B.A. Hons. Eng. II., 1919.
Bateson, Clara Florence Elizabeth, B.A. Hons. Hist. II., 1922; Dip. Ed., 1923.
Bateson, Frederic Hewitt, B.A. Hons. French I., 1926; Dip Ed., 1927.
Batley, John Herbert, B.Sc. Hons. Chem. III., 1924; M.Sc., 1925; Dip. Ed. 1925.
Batters, Ronald Joseph, B.Sc., 1924; Dip. Ed. 1925.
Battey, Gladys, B.A., 1928; Dip. Ed., 1929.
Battye, Albert Edward, B.Sc. Hons. Chem. II., 1923; M.Sc., 1923.
Battye, Marjorie, B.Sc., 1921.
Baumann, Margaret Irene Sarah, B.A., 1925.
Baxter, Gerald Richard, B.Ch.D., 1916; M.B., Ch.B. Hons. II., 1928; D.P.H., 1926; M.D., 1929.
Baxter, Gladys Ruby, B.A. Hons. Mod. Langs. III., 1925; Dip. Ed., 1926.
Baxter, Lionel Rushton, B.Sc. Hons. Geol. II., 1928.
Baxter, Marjorie, M.B., Ch.B., 1923.
Bayley, John Henry Stewart, B.Sc., 1910.

Bayliffe, Jennie, B.A., 1917.
Bazley, Mabel Margaret, B.A., 1920.
Beach, Arthur James, B.A. Hons. Hist. III., 1928.
Beal, Hilda Jane, B.A., 1921.
Bean, Charles Percy, Ph.D., 1928.
Bean, William Harold, B.A. Hons. Eng. II., 1911; M.B., Ch.B., 1923.
Beard, Walter Francis, M.Sc., 1925.
Bearder, Ernest Arthur, B.Sc. Hons. Col. Chem. I., 1910; Dip. Dyeing, 1910; M.Sc., 1911.
Beardwell, Dora, B.A. Hons. Hist. II., 1928; Dip. Ed., 1929.
Beaton, Elsie Mabel, B.Sc. Hons. Bot. III., 1923; M.Sc., 1923; Dip. Ed., 1924.
Beaumont, Frederick Albert, B.A. Hons. Eng. I., 1924.
Beaumont, Frederick Kenneth, M.B., Ch.B. Hons. II., 1926.
Beaumont, Patricia Clare, B.A. Hons. Eng. II., 1926.
Beaumont, Roberts, M.Sc., 1905 (*under Ordinance XIII.*).
Bebb, Frances Martha, M.B., Ch.B., 1922.
Bebbington, Arthur Gordon, B.Sc., 1925; B.Sc. Hons. Bot. II., 1926; M.Sc., 1926.
Beck, Clarence Walker, B.Sc. Hons. Chem. III., 1921; M.Sc., 1922.
Becker, Rosie Beatrice, M.B., Ch.B., 1926.
Beckett, Kathleen Marjorie, B.A., 1921; M.A., 1925.
Beckwith, Frank, B.A., 1928.
Beckwith, Kathleen Mary (Mrs. Norman), B.Sc., 1909.
Bedford, Cyril, LL.B. Hons. (*Aegrotat*), 1929.
Bedford, Mabel, B.A., 1929.
Bedford, Samuel Geoffrey, M.B., Ch.B., 1928.
Bedford, Thomas Henry Booth, B.Sc. Hons. Physiol. I., 1921; M.Sc., 1923; M.B., Ch.B. Hons II., 1924.
Bedford, William Donald, M.B., Ch.B. Hons. II., 1926.
Bedford, Winifred, B.Sc., 1923; Dip. Ed., 1924; M.Sc., 1929.
Beecroft, Philip Beilby, LL.B., 1908.
Beedle, John, B.Sc. Hons. Chem. III., 1929.
Beeforth, Laura, B.A., 1919; M.A., 1922; Dip. Ed., 1922.
Beeley, Arthur, M.Sc., 1906.
Beeley, Fred. B.Sc. Hons. Agric. Bot. II., 1926.
Beever, Marion, B.A. Hons. Hist. II., 1927.
Beevers, May, B.A., 1928.
Beevers, Sydney, B.A., 1911.
Begley, Laurence Jordan, B.Sc., 1924.
Beilby, Edward Millman, B.Sc. Hons. Geol. II., 1927.
Bell, Alfred Glaize, B.Sc., 1910.
Bell, Elsie Mary, B.Sc. Hons. Geol. II., 1917; M.Sc., 1918.
Bell, George Wilfrid, B.A., 1924.
Bell, Herbert Nutter, B.Sc., 1907.
Bell, Mrs. (see Jones, Annie Frances Saville).
Bellamy, Donald Holmes, B.Sc. Hons. Physics I., 1926; Dip. Ed., 1927.

Bellerby, Doreen Winters, B.Sc., 1928; Dip. Ed., 1929.
Bellerby, Francis George, B.Sc. Hons. Engrg. II., 1921; M.Sc., 1922.
Bellerby, John Rotherford, B.Com., 1920; B.A. Hons. Econ. I., 1921; M.A., 1924.
Bellerby, Margaret Hope, B.A. Hons. Hist. II., 1916; Dip. Ed., 1918.
Belt, Ernest Matthews, B.Sc., 1923.
Bendrey, Hilda, B.Sc., 1909; Dip. Ed., 1910.
Benn, Laura Harriet, B.A. Hons. Eng. II., 1918.
Benn, Thomas Vincent, B.A. Hons. Mod. Langs. II., 1923; Ph.D., 1925.
Bennett, Ernest Frank, B.Sc., 1925; Dip. Ed., 1926; M.Ed., 1927.
Bennett, Hugh Garner, B.Sc. Hons. Chem. I., 1905; M.Sc., 1907.
Bennett, Mrs. (see Porritt, Florence Mary).
Bennett, Percy, B.Sc., 1912.
Bennett, William, Dip. Dyeing, 1922; B.Sc., 1923; M.Sc., 1924.
Bennett, William Gordon. B.Sc. Hons. Chem. II., 1913; M.Sc., 1914; D.Sc., 1926.
Benson, John, M.B., Ch.B., 1927.
Benson, Marjorie Washington, B.Sc., 1917.
Benson, Mrs. (see Wilson, Elizabeth Jane).
Benson, Thomas Richard, B.Sc., 1926.
Benten, Edith, B.A. Hons. Geog. II., 1929.
Bentley, Allan Clifford, B.Sc., 1928; Dip. Ed., 1929.
Bentley, Dorothy, B.A., 1924.
Bentley, Esther Cluderay (Mrs. C. T. Wade), B.Sc., 1919; M.Sc., 1922.
Bentley, Hannah Grimshaw, B.A., 1908.
Bentley, Mrs. (see Walker, Ada).
Bentley, Owen, B.A., 1912; M.A., 1920.
Benton, Herbert, B.A. Hons. Mod. Langs. I., 1929.
Berenblum, Isaac, B.Sc., Hons. Physiol. II., 1923; M.B., Ch.B., 1926.
Bernstien, Jack, M.B., Ch.B. Hons. II., 1922.
Berry, Arthur, B.A. Hons. Eng. I., 1918; M.A., 1929.
Berry, Duncan Campbell, B.Sc., 1922.
Berry, Kathleen, B.A. Hons. Geog. III., 1929.
Berry, Margaret, B.Sc., 1923; Dip. Ed., 1924.
Berry, William Edward, B.Sc. Hons. Chem. III., 1927; Dip. Ed., 1928.
Bertwistle, Alfred Pilkington, M.B., Ch.B. Hons. II., 1918.
Best, Marjorie, B.A. Hons. Eng. II., 1926; Dip. Ed., 1927.
Best, Sidney Edward James, B.Sc., 1923; Dip. Ed., 1924; Ph.D., 1927.
Best, Thomas Edward, B.Sc., 1912.
Bevan, Albert Edward, B.A., 1912.
Bevan-Lewis, William, M.Sc., 1905 (*under Ordinance XIII.*).
Bevers, Clement, B.Sc., 1927; Dip. Ed., 1928.

Bhalla, Harman Singh, M.B., Ch.B., 1915.
Bibby, Edward Ernest, B.A. Hons. Classics I., 1906; M.A., 1907.
Bibby, James Paley, M.B., Ch.B., 1907.
Bibby, Joseph Richard, B.Sc., 1907; M.Sc., 1908.
Bickerdike, Doris Mary, B.Sc., 1919.
Bickerdike, Eleanor Bland, B.A., 1922; Dip. Ed., 1924.
Biddle, Vyvian, B.Sc., 1923.
Bilgrami, Syed Taki, LL.B., 1929.
Billam, Bertram, B.A., 1910.
Billam, Lois Ethel, B.A. Hons. Classics II., 1918; Dip. Ed., 1919.
Billingham, Brenda Kathleen, B.Sc. Hons. Bot. I., 1929.
Billingham, Robert, B.Sc., 1928; Dip. Ed., 1929.
Binias, Alice May, B.A. Hons. French II., 1923; Dip. Ed., 1924; M.A., 1926.
Binks, Evelyn Norah, B.Sc. Hons. Maths. III., 1928; Dip Ed., 1929.
Binns, Kathleen Matilda, B.A. Hons. Eng. II., 1928.
Birch, Arthur Aubrey, B.Sc. Hons. Engrg. III., 1921; M.Sc., 1923.
Birch, Doris, B.A., 1916.
Birch, Dorothy Ellen (Mrs. Lambert), B.A. Hons. Eng. II., 1916; Dip. Ed., 1917.
Birch, Frances Beatrice, B.A., 1923; Dip. Ed., 1924.
Birch, Thomas Albany, B.A. Hons. Eng. II., 1917; M.A., 1922.
Birch, William, B.Sc., 1922.
Bird, Charles Lawrence, Dip. Dyeing, 1926; B.Sc. Hons. Col. Chem. II., 1927.
Birkby, Ernest Crowther, B.Sc. Hons. Maths. III., 1929.
Birkhead, Florence Ethel, B.Sc., 1907.
Birkinshaw, John Howard, B.Sc. Hons. Chem. II., 1920; M.Sc., 1921; D.Sc., 1929.
Birtles, Arthur, B.A. Hons. Hist. I., 1910; M.A., 1911.
Birtwhistle, Frederick Percy Hewetson, M.B., Ch.B., 1905.
Birtwisle, David Pearson, B.Sc. Hons. Chem. III., 1929.
Bishara, Sadik Bestouros, B.Sc. Hons. Maths. I., 1929.
Bishop, Bryan Hope, B.A. Hist. Hons. III., 1928.
Bishop, Sarah Ellen, B.A., 1905.
Black, Israel David, M.B., Ch.B., 1926.
Blackburn, Clarice Lawton, B.Sc., 1911.
Blackburn, Elizabeth Maria, B.A., 1905; M.A., 1908.
Blackburn, John Holliday, M.B., Ch.B. Hons. II., 1912.
Blackburn, John Taylor, M.B., Ch.B. Hons. I., 1921; Ch.M. *with distinction*, 1925.
Blackburn, Mrs. (see Gascoigne, Evelyn May).
Blackburn, William Henry, B.Sc., 1925; B.Sc. Hons. Gas Engrg. I., 1926; M.Sc., 1926; Ph.D., 1927.
Blacker, Dorothy, B.A., 1929.
Blair, James, Dip. Textiles, 1914; B.Sc., 1916.
Blakey, Joe, B.Sc. Hons. Maths. II., 1928.
Blakeley, Emily Sylvia, B.A., 1915; M.A., 1916.

Blakeley, Evelyn, B.Sc., 1928.
Blakeley, Joseph Haley, B.Sc. Hons. Chem. III., 1923; M.Sc., 1924.
Blakeley, Rose, B.Sc., 1920.
Blakeston, Ida Evelyn, B.A., 1922.
Blankley, Hannah, B.Sc., 1917.
Blease, Richard Morris Stanley, B.A. Hons. Classics II., 1916.
Blease, Rupert Gordon, B.Sc., 1921.
Blench, Mary Elizabeth, B.Sc., 1924.
Blenkiron, Marion Emma, B.Sc., 1924; Dip. Ed., 1925.
Blockey, John Reginald, B.Sc. Hons. Chem. I., 1908, M.Sc., 1909.
Blomfield, Edward Eldridge, M.B., Ch.B., 1924.
Blond, Annie Winifred, B.A. Hons. Hist. III., 1924.
Bloom, Jack, B.Sc. Hons. Chem. I., 1928.
Blooman, Percival Abraham, B.Com. Hons. I., 1927.
Blundstone, William Hugh, B.Sc., 1925; Dip. Gas Engrg., 1926.
Boardman, Ernest Edmund, B.A., 1906; Dip. Ger., 1910.
Boddington, William Henry, B.Com., 1922.
Boddy, Kathleen, M.B., Ch.B., 1924.
Boden, Cecil Arthur, B.A., 1911; M.A. 1912.
Boden, Reginald Stanley, B.A., 1913.
Bodiley, Kenneth George, B.Sc., 1929.
Bodycombe, Mrs., (see Draper, Marion).
Boldon, Mary, B.A., 1923.
Bolland, Clifford Beaumont, B.Sc., 1929.
Bolt, William John, B.A. Hons. Eng. II., 1926.
Bolton, Effie Greig, M.B., Ch.B., 1921; D.P.H., 1923.
Bonar, David Doughty Mill, B.Sc., 1921.
Bond, James Ryding, B.Sc., 1910; M.Sc., 1922.
Bonner, John, B.Sc., 1922; Dip. Ed., 1927.
Bonsall, Mrs., (see Frank, Sarah).
Booker, Kathleen Mary, B.Sc. Hons. Geol. I., 1925; M.Sc., 1926; Dip. Ed., 1927.
Boot, Henry Wilfred Norman, B.Sc. Hons. Geol. II., 1929.
Booth, Evelyn Mary, B.Sc. Hons. Maths. III., 1929.
Booth, Hilda, B.A., 1923; Dip. Ed., 1924.
Booth, Linda Singleton, B.A. Hons. German II., 1928.
Booth, Meyrick, B.Sc. Hons. Chem. III., 1905.
Booth, Nora, B.A. Hons. Hist. III., 1925; Dip. Ed., 1926.
Booth, Thomas, B.A. Hons. Hist. II., 1929.
Boothman, Norah, B.Sc., 1925; Dip. Ed., 1926.
Boothroyd, Fred, B.Sc. Hons. Maths. III., 1922; Dip. Ed. 1923.
Borgaonkar, Shankar Appareo, LL.B., 1925.
Bose, Sujata, Dip. Ed., 1921; M.Ed., 1923.
Bothamley, Charles Herbert, M.Sc., 1906.
Bottomley, Arnold, B.A. Hons. Classics I., 1926; Dip. Ed., 1927.
Botwood, Charles Anselm, M.B., Ch.B. Hons. II., 1920.
Boudry, Hilda, B.A. Hons. Mod. Langs. II., 1922.
Bousfield, Edith Mary, B.Sc., 1925; Dip. Ed., 1926.
Bowes, George Robert, B.Sc., 1907.

Bowker, Benjamin, B.A. Hons. Eng. II., 1920.
Boyd, Simeon, B.Sc., 1905; Dip. Geog., 1922.
Boyle, Alan, M.B., Ch.B., 1905.
Boyle, Henry Kirk, B.Sc. Hons. Engrg. III., 1910.
Brabban, Henry Cruddace, B.Sc., 1925; Dip. Ed., 1926.
Bradburn, Roland Frederic, B.Sc., 1926.
Bradbury, Edith Agnes, B.A., 1923; Dip. Ed., 1924.
Bradley, Agnes, B.Sc., 1918.
Bradley, Florence Margaret (Mrs. Rydall), B.A., 1906.
Bradshaw, Geoffrey Gordon, B.Sc. Hons. Col. Chem. I., 1920; M.Sc., 1921.
Braham, David, M.B., Ch.B., 1923.
Braithwaite, Leonard Ralph, M.B., Ch.B., 1905.
Braithwaite, Robert Greenwood, B.Sc., 1922.
Braithwaite, William Dalston, B.A., 1905.
Bramley, George Field, M.B., Ch.B. Hons. II., 1927.
Bramley, Harold, B.Sc., 1924.
Branson, William Rainforth, B.Sc., 1926; Hons. Gas Engrg. I., 1927.
Braybrooks, William Ewart, B.Sc., 1929.
Brayshay, Maurice William, M.Sc., 1906.
Brayshay, Stanley, LL.B., 1907.
Brear, Arnold, Dip. Dyeing, 1920; B.Sc. Hons. Col. Chem. I., 1921; M.Sc., 1922.
Brear, Dorothy, B.Sc., 1927; B.Sc. Hons. Chem. III., 1928; Dip. Ed., 1929.
Brearley, Hilda, B.A. Hons. Eng. II., 1922; Dip. Ed., 1923.
Breckin, Ivy, B.A., 1914; M.A., 1915.
Breckons, Thomas Wilfrid Heath, B.Sc., 1927.
Breething, Mrs. (see Stokes, Victoria).
Brekke, Lorentz Oliver, B.Sc., 1911.
Brett, Bernard, B.Com. Hons. I., 1928.
Brett, George Fairburn, B.Sc. Hons. Physics I., 1924; M.Sc., 1925, Ph.D., 1926.
Brett, Margery, B.A. Hons. Hist. II., 1926; Dip. Ed., 1927.
Bridson, Edmund, B.A., 1915.
Bridgeman, Sam, M.B. Ch.B., 1928.
Brier, Albert, B.Sc., 1905; M.Sc., 1912; M.Ed., 1924.
Brierley, Wilfrid Edward, M.B., Ch.B., 1905.
Briggs, Agnes Emma, B.A. Hons. French III., 1925; Dip. Ed., 1926.
Briggs, Elsie Maude, B.Sc. Hons. Bot. II., 1927.
Briggs, Elsie Powell, B.A., 1916; M.A., 1922.
Briggs, Gwyneth Myfanwy, B.Sc. Hons. Bot. II., 1928; Dip. Ed., 1929.
Briggs, Herbert Bradley, Dip. Dyeing, 1920; B.Sc. Hons. Col. Chem. II., 1921; M.Sc., 1922.
Briggs, Margery Haining, B.Sc., 1912.
Briggs, Marjorie Powell, B.Sc., 1923; Dip. Ed., 1924.
Briggs, Maud B.A., 1916.

Briggs, Percy Wainwright, B.Sc. Hons. Physics III., 1927; Dip. Ed., 1928.
Briggs, Philip Stanley, B.Sc. Hons. Leather I., 1926.
Briggs, Samuel Henry Clifford, M.Sc., 1905; D.Sc., 1910.
Briggs, William, B.Sc., 1905.
Brigham, Fanny Muriel, B.A., 1905.
Bright, Alfred, B.Sc. Hons. Physics II. 1912; M.Sc., 1912.
Brill, Leopold, M.B., Ch.B. Hons. II., 1928.
Brittain, Charles Edward, B.Sc., 1905; M.Sc., 1908.
Broadbent, Edith, (Mrs. Cox) B.A., 1917.
Broadbent, Harrison, M.B., Ch.B., 1925.
Broadbent, Minnie Ann, B.A., 1915.
Broadbent, Portia, B.Sc. Hons. Maths. III., 1928; Dip. Ed., 1929.
Broadhead, James Arthur, B.Sc., 1905.
Broadhead, Leslie Varley, M.B., Ch.B., 1925.
Broadley, John, M.B., Ch.B., 1905.
Broadley, Mary Anne, B.A., 1911; Dip. Ger., 1912; Dip. Ed., 1912; M.A., 1917.
Broadley, William, B.Sc., 1906.
Brock, Stella Caborn, B.A., 1913.
Brogden, Ian, B.Sc., 1922.
Brogden, Marjorie, B.Sc., 1925; Dip. Ed., 1926.
Bromley, Elsie, B.Sc., 1916.
Brook, Annie, (Mrs. Temple), B.Sc., 1907.
Brook, Harry, B.Sc., 1905.
Brook, John Clifford, LL.B., 1928.
Brook, Kathleen Marjorie, B. A. Hons. Eng. II., 1928; Dip. Ed., 1929.
Brooke, Harold William, B.Sc., 1914.
Brooke, Harry, B.Sc. Hons. Chem. III., 1928.
Brooke, Minnie Irene, B.A., 1924.
Brooks, Annie, B.A. Hons. Eng. I., 1926; M.A., 1927; Dip. Ed., 1928.
Brooksbank, Ethel, B.Sc., 1912; Dip. Ed., 1914.
Broomhead, Reginald, M.B., Ch.B., 1925.
Brostoff, Harry, B.Sc. Hons. Physiol. II., 1919; M.Sc., 1920; M.B., Ch.B., 1922.
Broughton, Horace James, B.A., 1923; M.A., 1927.
Brown, Charles Kenneth Francis, B.A. Hons. Hist. III., 1928.
Brown, Charles Suffield, M.B., Ch.B., 1911.
Brown, Constance Mabel, (Mrs. H. Paterson) B.A., 1907.
Brown, Cyril Graham, B.A., 1913.
Brown, Doris Barbara, B.Sc. Hons. Physiol. I., 1929.
Brown, Ethel, B.A., 1914.
Brown, Flora Marion Violet, B.Sc., 1917; M.Sc., 1928.
Brown, George Frederick, B.A., 1912.
Brown, George Middleton, B.Sc. Hons. Chem. III., 1923; M.Sc., 1923.

Brown, Harold Havelock, B.A., 1915.
Brown, Henry, M.B., Ch.B., 1905.
Brown, Hubert Scatcherd, B.Sc., 1922.
Brown, James Middleton, B.Sc., 1927.
Brown, John Perrin, M.B., Ch.B., 1910.
Brown, Mary, B.A. Hons. Hist. (*Aegrot.*), 1925.
Brown, Nellie (Mrs. Williams), B.A. Hons. Mod. Langs. II., 1916.
Brown, Ralph Noel, B.A. Hons. Classics III., 1910; M.A., 1912.
Brown, Stephen Edwin, LL.B., 1925; LL.M., 1927.
Brown, Sydney Clifford, B.Sc., 1921; M.Sc., 1922.
Brown, Thomas, B.Sc., 1910; M.Sc., 1911.
Brown, Thomas, M.D., 1915.
Brown, Walter Henry, M.Sc., 1905.
Brown, William, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. I., 1922; M.Sc., 1923.
Brown, Winifred, B.A. Hons. Mod. Langs. I., 1920; M.A., 1925.
Browne, Walter Lord, B.Sc., 1914.
Browne, Mrs. (see Dearden, Gladys May).
Browning, Dorothy May, B.Sc., 1919.
Broxup, Dorothy, B.A. Hons. Eng. II., 1919.
Broxup, Eva Annie, B.A. Hons. Hist. II., 1917.
Bruce, Herbert, M.B., Ch.B., 1924.
Bruce, Mary Walbrand (Mrs. McCrae), B.Sc., 1905.
Bruce, Mrs. (see Wood, Jessie Graham).
Buck, Bessie, B.A., 1924; Dip. Ed., 1925.
Buckley, Edith May, B.A. Hons. Mod. Langs. II., 1920; Dip. Ed., 1921.
Bucknall, Charles John, B.A., 1910.
Bucknall, Paul Damien, B.A., 1913.
Bull, Walter, B.Sc., 1912.
Bulman, John Arthur, B.Sc., 1905.
Bunting, Jessie, B.A. Hons. Hist. II., 1926; Dip. Ed., 1927.
Bura, Maung, B.A. Dip. Ed., 1927; M.Ed., 1929.
Burford, Jack William, B.A. Hons. Classics II., 1927.
Burgess, Frank, B.Sc. Hons. Mech. Engrg. III., 1928.
Burgess, Lillie (Mrs. Harvey), B.A., 1905.
Burgess, Reginald, B.A. Hons. Hist. II., 1924; M.A., 1928.
Burgess, William Ernest, B.Sc., 1905.
Burley, Leo Le Gay, B.A., 1905.
Burnell, Noel Henry, B.A. Hons. Mod. Langs. II., 1923; Dip. Ed. 1924; M.A., 1926.
Burnett, Frank, B.A., 1929.
Burnett, Kathleen Annie Primrose, B.A., 1923.
Burnett, Winifrid Joyce, B.A., 1929.
Burniston, Mona Lily, B.Sc., 1929.
Burnley, Kathleen Mary, B.A. Hons. Mod. Langs. II., 1926; Dip. Ed., 1927.
Burns, Nora, B.A. Hons. French II., 1927; Dip. Ed., 1928.
Burr, Mrs. (see Leslie, May Sybil).
Burr, Sydney, M.Sc., 1925.

Burras, Catherine, B.Sc., 1908.
Burridge, Digby William Elliston, M.B., Ch.B., 1928.
Burrill, Harold Ruthven, LL.B., 1920.
Burrow, Hannah Louise, B.A. Hons. Hist. II., 1917; Dip. Ed. 1918.
Burrows, Harry Raymond, B.Com. Hons. II., 1923.
Burton, Colin Rupert, B.Sc. Hons. Elec. Engrg. II., 1926.
Burton, Donald, B.Sc. Hons. Chem. I., 1914; M.Sc., 1914; D.Sc., 1925.
Burton, George, B.A., Hons. Hist .II., 1922.
Busby, Walter, B.Sc., 1922.
Busfield, Thomas William, B.Sc. Hons. Chem. II., 1925; M.Sc., 1926; Dip. Ed., 1926.
Busfield, William, B.Sc., 1919; M.Sc., 1920.
Bussey, Harold Ellis, LL.B., 1928.
Butcher, Charles Sydney, B.A., 1918; M.A., 1919.
Butcher, Doris Maude, B.A., 1921.
Butcher, William Arthur, B.A., 1920.
Butler, Geoffrey Ernest, B.Sc. Hons. Mech. Engrg. III., 1928.
Butler, Gloxinia (Mrs. Godfrey), B.A. Hons. Mod. Langs. II., 1910; Dip. Ed., 1911.
Butler, Leonard Henry, M.B., Ch.B., 1913.
Butler, Percy, B.Sc., 1920.
Butterfield, Hilda, B.A. Hons. Hist. II., 1917.
Butterfield, James Arthur, B.Sc., 1915; M.Sc., 1916; Dip. Geog., 1922.
Butterfield, Janet, B.A. Hons. Hist. III., 1918.
Butterworth, George William. B.A. Hons. Classics. I., 1906; M.A., 1918; Litt.D., 1919.
Butterworth, Sarah Elizabeth, B.Sc., 1915.
Byrne, Marie Josephine, B.A. Hons. French II., 1927 : Dip. Ed., 1928.
Byrne, Richard Hugh Desmond Garritt, B.A. Hons. Hist. III., 1914; M.A., 1915.
Bwa, Maung Ba, Dip. Ed., 1927; M.Ed., 1929.

Caiger, Hugh, B.A., 1918.
Cainer, Isaac, M.B., Ch.B., 1925.
Calam, Harold, B.Sc., 1905; M.Sc., 1907.
Calderbank, Mona Constance, B.Sc., 1923; Dip. Ed., 1924.
Caldwell, Leonard Arthur, B.Com., 1923.
Caldwell, Mary Constance, B.A., Hons. Mod. Langs. I. 1914; Dip. Ger., 1915; Dip. Ed., 1915.
Caldwell, Sarah Jane, B.A. Hons. Hist. I., 1910; M.A., 1911; Dip. Ed., 1911.
Callender, George Dougal, B.Sc., 1910; Dip. Leather, 1910.
Calvert, Ernest Ludwig, B.Sc., 1925
Calvert, Harry Thornton, M.Sc., 1905; D.Sc., 1915.
Calvert, Lily, B.Sc., 1920.
Cameron, James Neild, B.Sc., 1907.

Cameron, Sydney John, B.Sc. Hons. Col. Chem. II., 1925; M.Sc., 1926.
Campbell, Eric Duncan, Dip. Dyeing, 1924; B.Sc. Hons. Col. Chem. I., 1925; M.Sc., 1926.
Campbell, George Alexander, Dip. Dyeing, 1923; B.Sc. Hons. Col. Chem. II., 1923; M.Sc., 1924.
Campbell, Mrs. (see Sowerbutts, Edith Utley).
Campion, Winifred, B.A., 1917.
Cannon, Alexander, M.B., Ch.B., 1924; M.D., 1928.
Capewell, John Hallas, B.A. Hons. Classics II., 1927; Dip. Ed., 1928.
Caplan, Harry, M.B., Ch.B. Hons. II., 1911; M.D., 1923.
Caplan, Joseph, M.B., Ch.B., 1927.
Cardis, Joseph, M.B., Ch.B., 1924; M.D., 1926.
Cardwell, Albert, B.A. Hons. Hist. II., 1921; Dip. Ed., 1922; M.A., 1923.
Carlton, George Westerdale, B.Sc., 1906.
Carr, Catherine, B.A. Hons. Eng. II., 1917.
Carr, Cicely Alice May, B.A., 1917.
Carr, George Hubert, B.Sc., 1923, M.B., Ch.B., 1927.
Carr, Thomas Harrison, M.B., Ch.B., 1926.
Carr, William Harrison, M.B., Ch.B., 1926.
Carré, Edward Mervyn, B.A. Hons. Classics III., 1916.
Carrington, Ernest, B.Sc. Hons. Fuel & Met. II., 1923; M.Sc., 1923.
Carrington, Herbert, Edgar B.Sc. Hons. Physics III., 1928; Dip. Ed., 1929.
Carrington, Leonard, B.Sc., 1923; Dip. Dyeing, 1923.
Carruthers, James Norman, B.Sc. Hons. Geol. I., 1920; M.Sc., 1921.
Carter, Charles, B.Sc. Hons. Geol. I., 1924; M.Sc., 1925.
Carter, Dick, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. I., 1922; M.Sc., 1923.
Carter, Dorothy Ruth, B.A. Hons. Eng. II., 1924; Dip. Ed., 1925.
Carter, Frederick Edward, B.Sc. Hons. Chem. II., 1909.
Carter, Godfrey, M.B., Ch.B., 1907.
Carter, Hartley Sidney, M.B., Ch.B. Hons. I., 1917; M.D. (*with distinction*), 1921.
Carter, Helen, B.A. Hons. Eng. III., 1927; Dip. Ed., 1928.
Carter, Jessie May, B.A. Hons. Mod. Langs. III., 1915; Dip. Ed., 1916.
Carter, John Stanley, B.Sc. Hons. Chem. I., 1922; Ph.D., 1924.
Carter, John Wilfrid, B.A. Hons. Mod. Langs. I., 1911.
Carter, Reginald Henry, B.Sc. Hons. Maths. I., 1926; Dip. Ed., 1927.
Carter, Ruth Ethel, B.Sc. Hons. Chem. II., 1923; Dip. Ed., 1924; M.Sc., 1924.
Carter, Winifred Mary (Mrs. F. Anderson), B.A., 1923.
Cartwright, Joe Heeley, B.Sc., 1924.
Caruth, Eleanor Margaret Annie, (Mrs. Miller) B.A. Hons. Hist. III., 1922.

Caruth, Florence Elizabeth, B.Sc. Hons. Zool. II., 1923; M.Sc., 1924.
Carver, Patrick Langworthy, B.A. Hons. Eng. I., 1925.
Case, Mrs. (see Hare, Christine Mary Bathurst).
Cashon, Gregory, B.Sc., 1923; M.Sc., 1924.
Cass, Edith Annie, B.Sc., 1914.
Cass, Mary Sterratt, B.A., 1928.
Cass-Smith, Walter Pentland, B.Sc., 1922.
Castle, Alice Ann, B.A. Hons. Hist III., 1924; Dip. Ed., 1925.
Catterall, Albert, B.A. Hons. Mod. Langs. II., 1915.
Caukill, Francis, B.A., 1912.
Cawthraw, George Edward, B.A., 1914; M.A., 1918.
Cawthorn, Edwin, B.A. Hons. Hist. II., 1909.
Caygill, Leonard Edward, B.Sc. Hons. Engrg. II., 1922.
Chadwick, Dorothy May, B.A. Hons. Eng. II., 1925; Dip. Ed. 1926.
Chadwick, Florence Maud, B.A., 1914; M.A., 1915; Dip. Ed., 1915.
Chadwick, William Godfrey, B.A. Hons. Hist. III., 1924; Dip. Ed. 1925.
Chalkley, Mrs. (see Roper, Rosamund Erica).
Chalmers, Helen Inglis Johnston, B.Sc., 1927.
Chalmers, William, M.B., Ch.B., 1927.
Chamberlain, Digby, M.B., Ch.B. Hons. I., 1921; Ch.M., 1924.
Chamberlain, Norman Henry, B.Sc. Hons. Chem. I., 1927; Ph.D., 1929.
Chambers, Gerald, M.B., Ch.B., 1924.
Chambers, Herbert Clive, B.Sc., 1922; Dip. Ed., 1923.
Chamley, Edith, B.Sc., 1920.
Champion, John Russell, B.Com., 1929.
Chapman, Harry Garfield, B.A., 1906; M.A., 1908; Litt.D. 1923.
Chapman, Mrs. (see Holmes, Ethel).
Chapman, Mrs. (see Briggs, Maude).
Chapman, Mrs. (see Jameson, Margaret Ethel).
Chapman, Robert Edward, B.Sc. Hons. Bot. I., 1920; M.Sc., 1921.
Chapman, Sarah Elizabeth, B.Sc. Hons. Geol. I., 1911; M.Sc., 1913.
Chapman, Thomas William, M.Sc., 1906.
Chapman, William Dale, B.A. Hons. Eng. II., 1921.
Chappell, Norman, B.Sc. Hons. Col. Chem. I., 1920; M.Sc., 1921.
Chard, Edith Annie, B.A., 1905.
Charles, Henry Ernest, M.B., Ch.B., Hons. II., 1917.
Charlesworth, Alice, B.A., 1905.
Charlesworth, John Kaye, B.Sc. 1910; M.Sc., 1911; D.Sc., 1921.
Charlton, Henry Buckley, B.A. Hons. Eng. I., 1911; M.A., 1914.
Charlton, Thomas Soulsby, B.Sc., 1927.
Charlton, William John, B.Sc. 1929.
Charnock, Annie Gertrude, B.Sc. 1929.

Chatterji, Subodh Chandra, M.Ed., 1928.
Chaturvedi, Har Swarup Das, M.Ed., 1929.
Cheesman, William Arthur, B.Sc. Hons. Chem. III., 1927; Dip. Ed., 1928.
Cheetham, Geoffrey Brown, B.Sc., 1929.
Cheetham, Robert Lionel, B.Sc. Hons. Physics III., 1923; Dip. Ed. 1924.
Chester, Richard, B.Sc., 1913; M.Sc., 1914; M.B., Ch.B. Hons. II., 1923.
Cheveley, Stephen William, B.Sc., 1923; M.Sc., 1924.
Child, Arthur, B.Com., 1928.
Child, George, B.Sc. Hons. Chem. II., 1927; Dip. Ed., 1928; M.Sc., 1929.
Child, Gwendolen Violet Pedley, B.Sc. Hons. Bot. III., 1926; Dip. Ed., 1927.
Child, Thomas, B.Sc. Hons. Mech. Engrg. II., 1927.
Childe, Gertrude May, (Mrs. Storey). B.A. Hons. Hist. II., 1917.
Chopping, Gertrude, B.Sc. Hons. Maths. I., 1923; Dip Ed. 1924.
Choudhury, Subhendu Prosad Roy, LL.B., 1925.
Claridge, Margaret Elsie, (Mrs. Stedman) B.Sc., 1906; Dip. Ed., 1907.
Claridge, Marjorie Muriel, B.A. Hons. Mod. Langs. II., 1910.
Clark, Agnes, B.A. Hons. Eng. II., 1929.
Clark, Elsie, B.A., 1922; Dip. Ed., 1923.
Clark, Hilda, B.A. Hons. Eng. II., 1927; Dip. Ed., 1928.
Clark, Kenneth George Towers, B.A., Hons. Geog. I., 1928; Dip. Ed., 1929.
Clarke, Arthur, B.Sc. Hons. Maths. II., 1922; Dip. Ed., 1923.
Clarke, Arthur Hermon, B.A. Hons. Mod. Langs. II., 1922.
Clarke, Charles Dougan, B.A. Hons. Classics II., 1911.
Clarke, Digby Arthur Pebody, M.B., Ch.B., 1915.
Clarke, Desmond Joseph, M.B., Ch.B., 1927.
Clarke, Herbert, B.Sc., 1927; Dip. Ed., 1928.
Clarkson, Sarah Eleanor, B.A. Hons. Hist. II., 1924; Dip. Ed., 1925.
Clarkson, William Edward, B.Sc. Hons. Chem. I., 1921; M.Sc., 1922.
Claxton, Godfrey, B.Sc. Hons. Chem. I., 1923; M.Sc., 1923.
Clay, Donald, B.Sc., 1927; Dip. Ed., 1928.
Clay, Norman Llewellyn, B.A. Hons. Eng. II., 1925; Dip. Ed., 1926.
Claye, Aileen Needham (Mrs. R. N. P. Wilson), M.B., Ch.B., 1924.
Claye, Andrew Moynihan, M.B., Ch.B., Hons. II., 1924; M.D., 1926.
Claye, Mrs. A. M. (see Knowles, Marjorie Elaine).
Clayton, Charles Flesher, B.Sc. Hons. Engrg. III., 1914.
Clayton-Booth, Ethel Jane, B.A. Hons. Hist. II., 1915.
Clegg, Frederick, M.B., Ch.B., 1924.
Clegg, Helena, B.Sc. Hons. Chem. I., 1929.
Clegg, Muriel Annie, B.A. Hons. French III., 1925; Dip. Ed., 1926.

Clements, Arnold, B.A. Hons. Hist. II., 1926; Dip. Ed., 1927.
Clemons, George Peter, B.Sc., 1928.
Clough, Laurence Hartley, B.A. Hons. Geog. II., 1925; Dip. Ed., 1926.
Clutterbuck, Percival Walter, B.Sc. Hons. Chem. I., 1922. Ph.D., 1924.
Cobb, John William, B.Sc., 1905.
Cobbold, Hazen Nevill Herbert, B.Sc., 1912.
Cobden, Hyman, B.A. Hons. Hist. III., 1929.
Cockburn, Edward Colin, B.Sc., 1910.
Cockburn, William Hillman, B.Sc., 1924; Dip. Ed., 1925.
Cockerham, George, B.Sc. Hons. Bot. II., 1929.
Cockerlyne, Elsie, B.A. Hons. Eng. II., 1922; Dip. Ed., 1923; M.A., 1924.
Cocking, Ethel Annie, B.A., 1919.
Cocking, Harold, B.Sc. Hons. Chem. III., 1922.; M.Sc., 1922.
Cockroft, Dora Mildred, B.Sc., 1924; Dip. Ed., 1925.
Cocks, Annie Marion, B.Sc. Hons. Bot. I., 1925; M.Sc., 1926. Dip. Ed., 1926.
Codrington, Florence Blomfield, B.A. Hons. Mod. Langs III., 1922.
Coggill, Wilfrid, B.A., 1914.
Cohen, Adolph Broadfield, B.A., 1914.
Cohen, Alexander, B.A. Hons. Mod. Langs. I., 1908; M.A., 1909.
Cohen, Ben Zion, B.A., 1916; M.A., 1921.
Cohen, Genetta, B.A. Hons. Classics II., 1929.
Cohen, Harry, LL.B. Hons. II., 1927.
Cohen, Margaret Eva, B.A., 1922.
Cohen, Martha, B.A., 1929.
Cohen, Myer, M.B., Ch.B., Hons. II., 1923.
Cohen, Sam, B.A. Hons. Eng. I., 1914.
Cohen, Sam Nathaniel, M.B., Ch.B., 1914.
Colbert, Thomas Henry, B.Sc., 1910.
Coldbeck, Malcolm Stanley, B.Sc., 1911.
Cole, Hyman, LL.B., 1929.
Coley, Norman Clarence Herbert, B.A. Hons. Hist. II., 1915.
Collins, Alfred Allan, LL.B., 1927.
Collins, Leon, M.B., Ch.B., 1923.
Collins, Norman, B.A., 1922; Dip. Ed., 1923.
Collins, Raphael, M.B., Ch.B., 1925.
Collinson, George Arthur, B.Sc. Chem. Hons. II., 1923; M.Sc., 1924; Ph.D., 1926.
Collinson, James Arthur, B.Sc., 1913; M.Sc., 1914.
Collishaw, Mary, B.A. Hons. French III., 1925; Dip. Ed., 1926.
Colohan, Edward Patrick Paul, B.A., 1928.
Compton, Henry Emmanuel, B.Sc. Hons. Physiol. I., 1919; M.Sc., 1923; M.B., Ch.B., 1923.
Connett, Winifred, B.A. Hons. Eng. III., 1922; M.A., 1923.
Conway, Augustus, LL.B. Hons. I., 1929.

Conyers, Hilda, B.A. Hons. Eng. II., 1905; Dip. Ed., 1906; M.A., 1907.
Cook, Alexander Walter, B.A., 1920; M.A., 1921.
Cook, Harold, B.A., 1920.
Cook, Leonard Percy, B.A., 1926; Dip. Ed., 1927.
Cook, Mrs. A. W. (see Alexander, Mary Baker).
Coope, Hilda (Mrs. Rose), B.Sc., 1909.
Cooper, Albert Henry, M.Sc., 1905.
Cooper, Frank Bruce, B.Sc., 1928.
Cooper, Frank Marshall, B.Sc., 1923, Dip. Ed., 1924.
Cooper, John George, B.Sc., 1906.
Cooper, Kathleen Louise, B.A. Hons. Eng. II., 1923; Dip. Ed., 1924.
Cooper, Kenneth Ernest, B.Sc. Hons. Chem. I., 1925; Ph.D., 1927.
Cooper, Maud Louise, B.A., 1915.
Cooper, Norman, B.A. Hons. Mod. Langs. I., 1922; Dip. Ed., 1923.
Cooper, William Arthur, M.Sc., 1907.
Cooper, William Ralph, B.A. Hons. Eng. I., 1922; M.A., 1923.
Copley, Frederick, M.Sc., 1905.
Coppock, Laura (Mrs. Glover), B.A. Hons. Eng. III., 1910.
Corden, Geoffrey Armitage, B.Sc., 1924.
Cordingley, Christine, B.A., 1919.
Cordingley, Harold, B.Sc. Hons. Chem. III., 1928; Dip. Ed., 1929.
Cornaby, Mrs. (see Foggitt, Emma).
Corner, Edward Appleton, Dip. Dyeing, 1925; B.Sc. Hons. Col. Chem. III., 1925; M.Sc., 1926.
Cornock, Arthur Frederick, B.Sc. Hons. Engrg. II., 1921; M.Sc., 1922.
Corson, Olive, B.A., 1913.
Cottam, Annie, B.A. Hons. Hist. II., 1920.
Coulson, Alfred, M.Sc., 1906.
Coulson, Clarice Mary, B.Sc., 1924; Dip. Ed., 1925.
Coulson, Evelyn Louise, B.A. Hons. French II., 1924; Dip. Ed., 1925.
Coulson, Ivy, B.Sc., 1919.
Coultas, George, B.A., 1923; Dip. Ed., 1924.
Coultas, Harold Wilberforce, B.Sc. Hons. Engrg. I., 1912.
Coultas, John Kenneth, B.Sc., 1928.
Couper, George Augustus, B.Sc. Hons. Engrg. II., 1910; M.Sc. 1911.
Courtice, George Robert Aulton, B.Sc., 1911.
Cowan, Isadore Henry, M.B., Ch.B., 1922.
Cowling, Alice Beatrice, B.A., 1908.
Cowling, George Herbert, B.A. Hons. Eng. I., 1912; M.A., 1914
Cowling, Mrs. G. H. (see Wilson, Muriel Margaret).
Cox, Dorothy Emma, B.Sc., 1918.
Cox, Herbert, B.A. Hons. Hist. II., 1910; M.A., 1911.

Cox, Mrs. (see Broadbent, Edith).
Cox, William, B.A., Hons. Eng. II., 1913; M.A., 1921.
Coxon, Lawrence Adams, B.Sc., 1905.
Crabtree, Charles, B.Sc., 1923.
Crabtree, Margaret, B.A., 1918; Dip. Geog., 1928.
Crabtree, Theodore, B.A. Hons. French I., 1925.
Craggs, Charles Marshall, B.Sc., 1924; Dip. Ed., 1925.
Craig, David, B.Sc., 1905.
Crampton, Ronald, B.Sc. Hons. Physics III., 1929.
Crann, Simon, B.Sc., 1929.
Crann, Thomas William, B.Sc. Hons. Chem. I., 1915: M.Sc., 1916.
Cranswick, Hubert, B.Sc., 1924.
Craven, Christine Mary, B.A. Hons. French I., 1926; B.Com. Hons., I., 1928.
Craven, Hilda Mary, B.A. Hons. Germ. III., 1923.
Craven, Percy Charles, B.A. 1914; M.A., 1922.
Craven, Willis Henry, B.Sc., 1925.
Crawford, James Stirling, M.B., Ch.B., 1906; M.D., 1915.
Crawford, Margaret (Mrs. Pullan), M.B., Ch.B., 1918.
Crawshaw, Annie, B.Sc., 1905.
Crawshaw, Dorothy, B.Sc., 1914; Dip. Ed., 1915.
Crawshaw, Nellie, B.Sc., 1909.
Cray, Frank Maynard, B.A. Hons. Hist. II., 1922.
Crewdson, William Francis, B.Sc., 1922; Dip. Ed., 1923.
Cridland, Dorothy Walker, B.A. Hons. Mod. Langs. II., 1909; M.A., 1912.
Crier, Helen Tod, B.A. Hons. Hist. III., 1925, Dip. Ed., 1926.
Crockatt, Arthur John, B.Sc. Hons. Col. Chem. II., 1914; M.Sc., 1915.
Crockatt, Howard Ludbrook, M.B., Ch.B., 1919.
Crockatt, Ralph Edward, M.B., Ch.B., 1923.
Croft, Alice Mary, B.A. Hons. Classics II., 1910.
Croft, Cyril Mansley, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem I., 1922; M.Sc., 1923.
Croft, George Henry, B.Sc., 1914; M.Sc., 1915.
Croft, Thomas Lister, LL.B., 1909.
Crosby, Alec, B.Sc. Hons. Chem. III., 1924; M.Sc., 1925; Dip. Ed., 1925.
Crosby, Berkley Cecil, B.Sc., 1909.
Crosfill, John, B.Sc., 1905.
Crosfill, John Wilfrid Lawson, M.B., Ch.B., 1927.
Crosland, Eric Bentley, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. II., 1922; M.Sc., 1923.
Crosland, Frank, B.Sc., 1915.
Crosland, Percy Field, B.Sc. Hons. Chem. II., 1905.
Cross, Ernest, B.A., 1912; M.A., 1921.
Cross, William Ernest, B.Sc. Hons. Chem. I., 1907.
Crossland, Elsie, B.A., 1911.
Crossland, John, B.Sc., 1922; M.Sc., 1926.
Crossland, Philip, B.A. Hons. Hist. I., 1922; M.A., 1925.

Crossley, James Victor, Dip. Dyeing, 1921 ; B.Sc. Hons. Col. Chem. II., 1922 ; M.Sc., 1923.
Croudace, Henry, B.Sc., 1922 ; Dip. Geog., 1923.
Crow, Harold Frederick, Dip. Dyeing, 1924 ; B.Sc. Hons. Col. Chem. II., 1924 ; M.Sc., 1925.
Crowther, Daisy Isabel, B.A., 1914.
Crowther, David, B.A. Hons. Philos. I., 1921 ; M.A., 1922.
Crowther, Edward Mortimer, B.Sc. Hons. Chem. II., 1917 ; D.Sc., 1925.
Crowther, Florence, B.A., 1914 ; Dip. Ger., 1914.
Crowther, Fred, B.Sc., 1912 ; Dip. Geog., 1923.
Crowther, Herbert, B.Sc., 1906.
Crowther, Herbert, B.A. Hons. Mod. Langs. II., 1927 ; Dip. Ed., 1928.
Crowther, Ivy Emma, B.A. Hons. Mod. Langs. III., 1914.
Crowther, Myra, B.A. Hons. French II., 1928 ; Dip. Ed., 1929.
Crowther, Philip Townsend, B.Sc., 1908.
Crowther, Rosa, B.Sc. Hons. Maths. II., 1928; Dip. Ed., 1929.
Crowther, William Edmund, B.Sc. Hons. Physiol. I., 1907.
Croysdale, James, Dip. Dyeing, 1924 ; B.Sc. Hons. Col. Chem. II., 1924 ; M.Sc., 1925.
Cruickshanks, Amy, B.Sc., 1923 ; Dip. Ed., 1924.
Crummett, Alan, Dip. Dyeing, 1921 ; B.Sc. Hons. Col. Chem. II., 1921 ; M.Sc., 1922.
Cuckow, Mrs. (see Holdsworth, Maude Marian Elizabeth).
Cuckow, Philip Edwin, B.A., 1914.
Cuckow, Quintin, B.A. Hons. Hist. II., 1927.
Culpan, Lillie, B.Sc., 1925.
Cummins, Marjorie, B.A. Hons. French II., 1927 ; Dip. Ed., 1928.
Cundall, Edward, M.B., Ch.B., 1905.
Cundall, Leonard Bertram, B.Sc., 1909 ; M.Sc., 1920.
Cunion, Cecil Alfred, B.A., 1926.
Cunningham, Jean Orme. B.Sc., 1905.
Currie, David William, M.B., Ch.B. Hons. I., 1927.
Currie, Donald Irvine, M.B., Ch.B. Hons. II., 1921.
Curtin, Ronald Champion, B.Sc. Hons. Geol. II., 1927 ; Dip. Ed., 1928.
Curtis, Francis Roy, B.Sc. Hons. Physiol. II., 1922 ; M.B., Ch.B., 1925 ; M.Sc., 1925.
Curtis, Horace, B.Sc., 1911.
Cusworth, Emily Ann, B.Sc., 1914 ; M.Sc., 1915.
Cusworth, Eric Arthur, B.Com., 1927.
Cusworth, Eustace Fretwell, B.A., 1915.
Cusworth, Florence, M.B., Ch.B., 1924.
Cuthbertson, Barbara Hebe, B.A., 1929.
Cuthill, Ronald, B.Sc. Hons. Chem. I., 1923 ; Ph.D., 1925.

Dacre, Albert Edward Wilfred, B.Sc., 1929.
Daiches, Salom, LL.B., 1909.
Dakin, Henry Drysdale, M.Sc., 1909 ; D.Sc., 1909.
Dalby, Arthur, M.B., Ch.B., 1928.

Dalby, Edward Randolph, B.A. Hons. Mod. Langs. III., 1924.
Dalby, John, B.A. Hons. Hist. II., 1922.
Dalby, John, Dip. Dyeing, 1920; B.Sc. Hons. Col. Chem. I., 1921; M.Sc., 1922.
Dale, George Stanley Richard, B.A., 1921.
Dallas, John William, B.Sc., 1922; M.Sc., 1924.
Dallmeyer, John Roger, B.Sc., 1921.
Dally, Ronald, B.Sc., 1922.
Dalton, Gerald, B.A., 1926; Dip. Ed., 1927.
Dalton, Jennie, B.Sc., 1916.
Dalton, John Edwin, B.A., 1905.
Daly, Ramsay Lamy, M.B., Ch.B. 1906.
Dance, Edward, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. II., 1922; M.Sc., 1923.
Darlow, Francis, M.B., Ch.B., 1905.
Dars, Ali Hassan el, B.Sc. Hons. Maths. II., 1928.
Darycott, Ernest Jenkinson, B.A., 1906.
Das, Biraj Mohan, M.Sc., 1911.
Davey, Frederick Victor, B.A. Hons. Eng. II., 1929.
Davey, John Milton, M.B., Ch.B., 1921.
David, Ronald Paul, B.Sc. Hons. Elec. Engrg. III., 1923.
Davies, Arthur Hugh, B.Sc. Hons. Chem. I., 1905; M.Sc., 1907.
Davies, Hamilton, B.Sc. Hons. Chem. I., 1907.
Davies, Henry, B.Sc., 1908.
Davies, Ivor Parry, B.Sc., 1905.
Davies, Mrs. (see Raven, Hilda Mary).
Davis, Charles, B.Sc. Hons. Col. Chem. III., 1920; M.Sc., 1921.
Davis, Doris Ellen, B.A. Hons. Hist. II., 1928; Dip. Ed., 1929.
Davis, Harry Wolfe, M.B., Ch.B., 1928.
Davis, William Gareth, B.Sc. Hons. Chem. I., 1925; Ph.D., 1927.
Davis, William Hathaway, B.A., 1905; M.A., 1906.
Davison, Edith Irene, B.Sc., 1910.
Davison, Eric, B.Sc. Hons. Maths. I., 1928; Dip. Ed., 1929.
Davison, Florence Mary, B.Sc., 1911.
Davy, Anna, B.Sc. Hons. Chem. II., 1929.
Davy, Thomas Smith, M.B., Ch.B., 1922.
Dawe, Charles Vivian, B.Com. Hons. I., 1923; M.Com., 1926.
Dawes, Harold, B.Sc., 1929.
Dawn, Monica, B.A. Hons. Eng. I., 1927; Dip. Ed., 1928.
Daws, Frank, B.Sc., 1920.
Dawson, Daniel, B.A. Hons. Hist. I., 1920.
Dawson, Edward Romer, B.Sc. Hons. Chem. I., 1924; M.Sc., 1924; Ph.D., 1926.
Dawson, Fred, B.A. Hons. Hist. II., 1926; Dip. Ed., 1927.
Dawson, Harry Medforth, M.Sc., 1907; D.Sc., 1907.
Dawson, John Barkas, B.Sc., 1910.
Dawson, Mabel, B.Sc. Hons. Bot. II., 1925; M.Sc., 1926; Dip. Ed., 1926.
Dawson, Mary Catharine, B.A. Hons. Eng. II., 1924; Dip. Ed., 1925.

Dawson, Robert, B.Sc., 1922; M.Sc., 1923.
Dawson, Thomas Henry, B.A. Hons. Eng. II., 1911.
Dawson, Thomas Rayner, B.Sc. Hons. Chem. I., 1912; M.Sc., 1913.
Day, Dorothy Kathleen, B.A. Hons. Mod. Langs. III., 1923; Dip. Ed., 1924.
Day, Muriel Mercy, B.Sc., 1920.
Daykin, John Bertram, B.A. 1906; M.A., 1908.
Daykin, Mrs. (see Walker, Jessie).
Dean, Arthur Ernest, B.A. Hons. Hist. I., 1909; Dip. Ed., 1910; M.A., 1913.
Dean, Brien, B.Sc., 1927.
Dean, George Smith, B.Sc. Hons. Chem. I., 1923; M.Sc., 1924; Dip. Ed., 1924.
Dean, Norman Cecil, B.Sc. Hons. Chem. I., 1924; Ph.D., 1926.
Dean, William Henry, B.A. Hons. Econ. I., 1919.
Deane, Arthur Maslen, M.B., Ch.B., 1905.
Deane, Doris, B.A., 1917.
Dearden, Gladys May (Mrs. Browne), B.A. Hons. Hist. III., 1912.
Dearnley, Charles, B.A. Hons. Classics II., 1909.
Denbigh, George James, B.Sc., 1905, M.Sc., 1919.
Denby, Maurice, B.A., 1905.
Denham, Basil Marmaduke, B.Sc., 1920; M.Sc., 1926.
Denham, Norman Henry, B.Com., 1924; Dip. Ed., 1925.
Denison, Norman, B.Sc. Hons. Maths. III., 1929.
Denison, Robert Beckett, M.Sc., 1905; D.Sc., 1907.
Denison, Ruby Gladys Martha, B.A. Hons. Mod. Langs. I., 1918.
Denne, Arthur Roy, B.A. Hons. Hist. II., 1929.
Dennell, Ralph, B.Sc. Hons. Zool. II., 1929.
Dent, Frankland, M.Sc., 1905.
Dent, Frederick James, B.Sc., 1926; Hons. Gas Engrg. I., 1927; Ph.D., 1929.
Denton, Edna, B.A. Hons. Eng. II., 1922; Dip. Ed., 1923.
Denton, George, M.B., Ch.B., 1922.
Dewhirst, Edith, B.A., 1922.
Dey, Michael Moorhouse, M.B., Ch.B., 1927.
Dibb, George Alec, M.B., Ch.B. Hons. II., 1927.
Dibb, Robert Hugh, B.Sc. Hons. Engrg. I., 1923; M.Sc., 1924.
Dibb, William Land, M.B., Ch.B., 1917.
Dickinson, Cyril, B.Sc., 1905.
Dickinson, Frederick Walter, B.A., 1905; M.A., 1915.
Dickinson, Kate, B.A., 1919.
Dickinson, Nellie, B.A., 1924; Dip. Ed., 1925.
Dickinson, Robert Eric, B.A. Hons. Geog. I., 1925; Dip. Ed. 1926; M.A., 1929.
Dimuantes, Hannah, B.A., Hons. Classics III., 1927; Dip. Ed., 1928.
Dimmock, Geoffrey Frederick, M.B., Ch.B., 1926.
Dimond, Sydney George, M.A., 1924.

Dinsdale, Joseph Stansfeld, M.B., Ch.B., 1926.
Dixon, Annie, B.A., 1910.
Dixon, Arnold Harry, B.A. Hons. French III., 1927.
Dixon, Constance Ethel, B.Sc., 1928.
Dixon, Dorothy Whitley, B.A., 1919.
Dixon, Edith May, B.Sc., 1928.
Dixon, Elizabeth, B.A., 1906.
Dixon, Ella, B.A., 1917; Dip. Ed., 1918.
Dixon, Frank Metcalfe, B.Sc. Hons. Physics III., 1910; M.Sc., 1911.
Dixon, Frederick, B.Sc., 1923.
Dixon, Henry Conyers, B.Sc. Hons. Chem. III., 1925; M.Sc., 1926; Dip. Ed., 1926.
Dixon, James Harvey, B Sc., 1909.
Dixon, James Metcalfe, B.A. Hons. Hist. II., 1924; Dip. Ed., 1925; M.A., 1927.
Dixon, Josephine, B.A., 1929.
Dixon, Margaret, B.A., 1928; Dip. Ed., 1929.
Dixon, Mary Hilda, B.A., 1923; Dip. Ed., 1924.
Dixon, Robert Garside, M.B., Ch.B., 1915.
Dixon, William Ward, B.Sc. Hons. Chem. II., 1925; M.Sc., 1926.
Dobbings, Eileen, B.A. Hons. Eng. III., 1927; Dip. Ed., 1928.
Dobbings, Kathleen, B.A., 1925; Dip. Ed., 1926.
Dobbyn, Reginald Grierson, B.Sc., 1925.
Dobson, Alan, B.A. Hons. Hist. II., 1914; M.A., 1919; Dip. Ed. Admin., 1927.
Dobson, Constance (Mrs. Wheatley), B.A., 1905.
Dobson, Francis George, M.B., Ch.B., 1906.
Dobson, Harold Wainwright, B.Sc., 1922.
Doddrell, Ethel Phyllis Goodenough, B.Sc. Hons. Maths. II., 1925; M.Sc., 1926; Dip. Ed., 1926.
Doddrell, Muriel Porter, B.A. Hons. Eng. II., 1927; Dip. Ed., 1928.
Dodds, John Matthewson, LL.B., 1922.
Doherty, Winifred Irene, M.B., Ch.B., 1919.
Dolbey, Norman Louis, B.Sc., 1921.
Donaldson, Lawrence Richard Leverton, B.A., 1907.
Donovan, John, M.B., Ch.B., 1928.
Doody, Ellie, B.A., 1910.
Doughty, Edward Augustine, B.A. Hons. Eng. II., 1927; Dip. Ed., 1928.
Doughty, Francis Alan, B.Sc. Hons. Geol. I., 1929.
Dougill, George, B.Sc. Hons. Gas. Engrg. I., 1914; M.Sc., 1914
Douglas, Frank, B.Sc. Hons. Chem. III., 1913; M.Sc., 1915.
Douglas, Gordon Watson, Dip. Dyeing, 1923 B.Sc., 1925.
Dowler, Mrs. (see Greenwood, Emily Maude).
Downs, Annie, B.A. Hons. Hist. II., 1922; Dip. Ed., 1924.
Dowson, Evelyn Rhoda, B.A. Hons. Mod. Langs. I., 1917; Dip. Ed., 1918; M.A., 1921.
Drabble, Alan William Edward, B.Sc., 1928.

Drake, Frank, B.A. Hons. Geog. III., 1927; Dip. Ed., 1928.
Drake, Reginald Murdin, B.Sc. Hons. Chem. (*Aegrot.*), 1925; M.Sc., 1925.
Dransfield, Henry Ewart Stanley, B.A., 1911; M.A., 1912.
Draper, Alick Darby, B.Sc., 1906.
Draper, Marion (Mrs. Bodycombe), M.B., Ch.B., 1918.
Driver, Constance Jennie, B.A. Hons. Hist. II., 1915.
Druce, Edward Stanley, B.Sc. Hons. Chem. II., 1924; M.Sc., 1925; Dip. Ed., 1925.
Drury, Edward Wilson, M.B., Ch.B., 1919.
Dry, Francis William, B.Sc., 1913; B.Sc. Hons. Zool. I., 1914; M.Sc., 1914; D.Sc., 1925.
Duchesne, Henry, B.Sc., 1910.
Duck, Henry, M.B., Ch.B. Hons. II., 1921.
Duckworth, George Reginald Joseph, LL.B. Hons. II., 1922.
Dudley, Charles William, M.B., Ch.B. Hons. II,. 1916.
Dudley, Harold Ward, B.Sc. Hons. Chem. I., 1909; M.Sc., 1910.
Dudley, James, B.Sc., 1905; M.Sc., 1908.
Dudley, Nora, B.Sc., 1906.
Duffey, John, B.Sc. Hons. Physics I., 1929.
Duffield, Edith, B.A. Hons. Mod. Langs. III., 1926.
Duffin, Joseph Francis, B.Sc. Hons. Physics I., 1910; M.Sc. 1912.
Dugdale, Norris, B.Sc., 1910.
Dunbar, Charles, Dip. Dyeing, 1925; B.Sc. Hons. Col. Chem. I., 1926; M.Sc., 1927; Ph.D., 1928.
Dunbar, Leslie, M.B., Ch.B. Hons. II., 1912.
Duncan, John, M.B., Ch.B., 1925.
Duncan, Kathleen Mary, B.A., 1925; Dip. Ed., 1926.
Dunlop, John, B.A. Hons. Mod. Langs. II., 1925.
Dunsby, Edward, Dip. Dyeing, 1924; B.Sc. Hons. Col. Chem. II., 1925; Dip. Ed., 1926; M.Sc., 1927.
Dunwell, Thomas Middleton, B.A. Hons. Hist. II., 1920.
Dunwell, Wilfrid, B.A. Hons. Mod. Langs. I., 1923.
Duthie, Charles Sydney, B.Sc. 1913; M.Sc., 1915.
Dutt, Pavitra Kumar, M.Sc., 1913.
Duxbury, Wilfred Pearson, B.Sc., 1925; Dip. Ed., 1926.
Dwerryhouse, Arthur Richard, M.Sc., 1905; D.Sc., 1905.
Dyde, John Horsfall, B.Sc. Hons. Chem. II., 1926; Dip. Gas Engrg., 1927; B.Sc. Hons Gas Engrg I., 1928; M.Sc., 1929.
Dyer, Mrs. (see Anderson, Mabel Maud).
Dykes, Janet, B.A. Hons. Hist. II., 1914; M.A., 1916.
Dymond, Muriel Grace (Mrs. Mounsey), B.Sc., 1925.
Dyson, Charles, B.A., 1922; Dip. Ed., 1923.
Dyson, Fred, B.A., 1913.
Dyson, Grenvil, B.Sc., 1922.
Dyson, James Frederick, B.A. Hons. Hist. (*Aegrot.*) 1924; Dip. Ed., 1925; M.A., 1927.
Dyson, Kenneth, B.A. Hons. Geog. II., 1929.
Dyson, Marjorie, B.A. Hons. Eng. II., 1924.
Dyson, Reginald John, M.B., Ch.B. Hons. II., 1920.

Dyson, William Dixon, M.B., Ch.B., 1925.

Ealing, Mildred Isabel, M.B., Ch.B., 1927.
Eames, Charles William, M.B., Ch.B., 1905.
Eames, John Ward, M.B., Ch.B., 1925.
Earle, Frances Marjorie, B.Sc., 1918.
Earle, Frank Maynard, B.Sc., 1910.
Earnshaw, Hubert, B.Sc. Hons. Chem. III., 1923; M.Sc., 1924; Dip. Ed., 1924.
Earnshaw, James William, B.A. Hons. Hist. (*Aegrot.*), 1922; M.A., 1926.
Earnshaw, Norman Stephenson, B.Sc., 1915.
East, Rowland, B.A. Hons. Hist. II., 1925.
Easterfield, Thomas Hill, B.A., 1905.
Eastham, Leonard Ernest Sydney, B.Sc. Hons. Zool. II., 1921, M.Sc., 1922.
Eastwood, Arthur Handel, B.Sc., 1928; Gas Engrg. Hons. I., 1929.
Eastwood, Elsie, B.Sc., 1918; Dip. Ed., 1919.
Eaton, Mary, B.A. Hons. Eng. II., 1929.
Ebbage, Edith Mabel, B.Sc., 1908.
Eccles, Alfred, B.Sc. Hons. Chem. I., 1925; Ph.D., 1927.
Edelston, Harry, M.B., Ch.B. Hons. II., 1924; D.P.M., 1926.
Edgecombe, Dorothy Minna (Mrs. Anning), M.B., Ch.B., 1923.
Edington, James Duncan, B.Sc. Gen. Hons. I., 1927.
Edmond, William Seaward, B.A., 1913.
Edmondson, John, B.Sc. Hons. Engrg. I., 1915; M.Sc., 1916.
Edmondson, Margaret Jane, B.Sc., 1923; Dip. Ed., 1924.
Edmondson, Mrs. (see Groves, Winnifred Halliday).
Edmondson, Winifred Elizabeth, B.Sc. Hons. Bot. III., 1925; M.Sc., 1926.
Edwards, Ernest John, M.Sc., 1905.
Edwards, Lewis John, B.A. Hons. Econ. II., 1928.
Edwards, Maud Mary, B.A. Hons. Mod. Langs. I., 1905; Dip. Ed., 1906; M.A., 1909.
Edwards, Ronald Worsley, B.Sc. Hons. Maths. III., 1925.
Edwards, William Christopher, B.Sc., 1927.
Eeles, William George, B.A., 1920.
Eeles, Mrs. W. G. (see Speed, Marie Elizabeth).
Effron, George Henry, B.A. Hons. Classics I., 1913.
Eggleston, Arthur Stoyle, B.A. Hons. Hist. I., 1929.
Elam, John Frederick, B.A. Hons. Hist. I., 1924: Dip. Ed., 1925.
El-Din, Ahmad Hosam, B.Sc., 1928; Physics Hons. III., 1929.
Eley, Stanley Albert, B.A., Hons. Classics II., 1921.
Ellingford, Harold David, B.A. Hons. Classics II., 1929.
Ellingworth, Samuel, B.Sc. Hons. Chem. I., 1916; M.Sc.,1298.
Elliot, Gilbert Bernard, B.A. Hons. Classics III., 1913.
Elliot, Norman Garstang, B.Sc. Hons. Engrg. II., 1913; M.Sc., 1924.

Elliott, Bertram Warren, B.Sc., 1906.
Elliott, Elizabeth, B.A. Hons. Eng. III., 1924.
Elliott, James Victor, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. II., 1923; M.Sc., 1924.
Elliott, Ruth, B.A. Hons. Mod. Langs. II., 1911.
Elliott, Spencer Hayward, B.A., 1905; M.A., 1927.
Elliott, Thomas, M.B., Ch.B., 1914.
Ellis, Arthur Harold Carteret, B.A. Hons. Hist. II., 1910.
Ellis, Henry Carl Noel, B.A., 1911; M.A., 1913.
Ellis, James John, B.Sc., 1905.
Ellis, John Newman, B.Sc., 1906.
Ellis, Mabel Doreen, B.A., 1921; M.A., 1922.
Ellison, Charles Ottley, B.Sc., 1922.
Ellison, Maud, B.A. Hons. Eng. II., 1924; Dip. Ed., 1925.
Ellison, Thomas, Dip. Dyeing, 1924; B.Sc. Hons. Col. Chem. I., 1924; M.Sc., 1925.
Elmer, Thomas Horner, M.B., Ch.B., 1192.
Elmer, Mrs. T. H. (see McNeice, Elsie Elizabeth).
Elston, Charles Sidney, B.A. Hons. Mod. Langs. II., 1919; M.A., 1922; Dip. Ger. 1924.
Elston, Robert Leonard, B.Sc. Hons. Maths. II., 1926; Dip. Ed., 1927; B.Com. Hons. I., 1929.
Elton, Darnton James, B.Sc., 1926.
Ely, Albert Edwin, B.Sc., 1922.
Emmerson, Nancy, B.Com., 1928.
Emmott, Clifford, B.A. Hons. Hist. I., 1928.
Emmott, Sarah, B.Sc., 1923; Dip. Ed., 1924.
Emsley, Edith, B.A., 1912.
Emsley, Lena, B.Sc., 1918.
Emsley, Rosella, B.A., 1915.
England, Tom, B.Sc., 1929.
Ennis, Mary Isabel, B.Sc., 1925.
Erdheim, Joseph Eli, M.B., Ch.B., 1926.
Erdheim, Solomon, M.B., Ch.B., 1922.
Etheridge, William, B.Sc., 1927; B.Sc. Hons. Gas Engrg. II., 1928.
Eurich, Margaret Francis, Dip. Gas Engrg., 1925; B.Sc. Hous., Gas Engrg. II., 1926.
Evans, Alice Mabel, B.A. Hons. Hist. I., 1916; M.A., 1918.
Evans, Elizabeth, B.Sc., 1921; Dip. Ed., 1922.
Evans, Esther Alice, B.A., 1926; Dip. Ed., 1927.
Evans, John Charles, B.A. Hons. Eng. II., 1921; Dip. Ed. 1922.
Evans, Thomas Blakeway, B.Sc. Hons. Agric. Econ. II., 1929.
Evason, Mary Kathleen, B.A., 1926.
Everett, James Herbert, B.Sc., 1905.
Ewing, John, M.B., Ch.B., 1925.
Exley, Cecil Frederick, B.A., 1919; M.Ed., 1927.
Exley, Mary Kathleen, B.A., Hons. Eng. III., 1927; Dip. Ed., 1928.
Exley, Mrs. (See Laird, Marjorie Jean).

Face, Frank Leslie, Dip. Dyeing, 1920; B.Sc. Hons. Col. Chem. III., 1921; M.Sc., 1922.
Fairbourn, Marjorie, B.A. Hons. Eng. III., 1922; Dip. Ed., 1923.
Fairbrother, Jessie, B.A., 1905.
Fairley, Barker, B.A. Hons. Mod. Langs. I (*Distinction* in French and Germ.), 1907; M.A., 1910.
Fairley, Duncan, B.A. Hons. Eng. I., 1911.
Fallows, Harold, M.B., Ch.B. Hons. II., 1923.
Fanthorpe, Marjorie, B.Sc. Hons. Chem. II., 1928; Dip. Ed., 1929.
Farber, Norah, B.A., 1929.
Farnish, John, B.Sc., 1911.
Farrand, Phoebe Augusta, B.A., 1921; M.A., 1922.
Farrar, Annis, B.Sc., 1923; Dip. Ed., 1924.
Farrar, Herbert Edmund, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. II., 1923; M.Sc., 1924.
Farrer, Evelyn, B.A., 1914.
Fathy, Mohamed Amin, B.Sc. Hons. Engrg. II., 1916.
Fawcett, Agnes Mary, B.A. Hons. French II., 1923; Dip. Ed., 1924.
Fawcett, Alan Ross, B.Sc. Hons. Maths. I., 1922; M.Sc., 1926.
Fawcett, Bertha Rylands, B.A. Hons. Eng. II., 1921; Dip. Ed. 1922.
Fawcett, Edwin, B.Sc., 1922; Dip. Geog. 1923.
Fawcitt, Edwin Henry, B.A., 1911; M.A., 1912.
Fawcett, Ernest, B.A., 1916; M.A., 1920.
Fearnley, Harold, M.B., Ch.B., 1905.
Fearnley, Lewis William Knapton, B.Sc., 1905.
Fearnside, Francis Charles, B.A., 1923.
Fearnside, Winifred Marian, B.A. Hons. Mod. Langs. III., 1921.
Feather, Myra, B.Sc., 1910.
Felton, Henry, B.Sc., 1924; Dip. Ed., 1925.
Fenn, Francis Cuthbert, B.A. Hons. Hist. III., 1923.
Fenton, Geoffrey William, B.Sc. Hons. Chem. II., 1927; Ph.D., 1929.
Fenton, Kate, B.A., 1914.
Ferens, Thomas Robinson, B.Sc., 1926.
Ferguson, Arthur Ernest, B.A., 1922.
Ferguson, John, M.B., Ch.B. Hons. II., 1912.
Fergusson, George Ernest, LL.B., 1923.
Fernandez, Zacharias Peter, M.B., Ch.B, 1917; M.D., 1919.
Fevre, Frederick Lucas Le, Dip. Dyeing, 1923; B.Sc. Hons. Col. Chem. I., 1923; M.Sc., 1924.
Field, Margaret, B.Sc., 1906.
Fielden, Harold, B.Sc. Hons. Chem. III., 1910.
Fielding, Mrs. (see Marsden, Doris).
Filkin, Ivor Holland, B.A., 1928.
Finch, Arthur, B.A. Hons. Hist. III., 1926.
Findlay, George Hindson, M.A., 1908.
Findlay, Mary Grace, M.Sc., 1905.

Findlay, Sarah Kennedy, B.A. Hons. Hist. I., 1907; M.A., 1908.
Findlay, William Gillanders, B.A. Hons. Classics II., 1910; M.A., 1915.
Finn, Cornelius Philip, B.Sc., 1905; M.Sc., 1929.
Finn, Kathleen Constance, B.Sc., 1921.
Firth, Dorothy, B.A. Hons. Mod. Langs. I., 1923; Dip. Ed., 1924.
Firth, John Rupert, B.A. Hons. Hist. I., 1911; M.A., 1913.
Firth, Maurice, B.Sc. Hons. Physics II., 1913; M.Sc., 1920.
Firth, Nellie Marguerite, B.A. Hons. Mod. Langs. I., 1921 M.A., 1923.
Firth, William Ward, B.Sc., 1924.
Fish, Arthur Samuel, LL.B., 1909.
Fish, Nellie, B.A., 1921.
Fisher, Eric John, B.A., 1926; Dip. Ed., 1927.
Fisher, Frederick Broughton, M.A., 1913.
Fisher, John Barugh, M.B. Ch.B. Hons. I., 1911; M.D., 1918.
Fitton, Geoffrey Knowles, M.B., Ch.B., 1924.
Fitton, Lilian Edith, B.A., 1921.
Fitton, William Edward, B.Sc. Hons. Physics III., 1926; Dip. Ed., 1927.
Flather, Lawrence Birkley, M.B., Ch.B., 1929.
Fleet, Doris Gertrude, B.Sc., 1920; Dip. Geog., 1923.
Fleming, Geoffrey Dewhirst, M.B., Ch.B. Hons. II., 1921.
Fleming, James, B.A. Hons. Eng. III., 1921.
Fletcher, Alexander Thomas, B.A. Hons. Hist. III., 1927; Dip. Ed., 1928.
Fletcher, Alfred Edgar, B.Sc., 1907.
Fletcher, Bernard George, B.A., 1916.
Flint, Ethelbert Rest, M B , Ch.B., 1906.
Flint, Horace Lance, M.B., Ch.B. Hons. II., 1909; M.D., 1918.
Flockton, Edith Gertrude, B.Sc., 1921; Dip. Ed., 1922.
Flood, Harry, B.A. Hons. Hist. II., 1929.
Flowers, Maurice, B.Sc. Hons. Maths. II., 1925; Dip. Ed., 1926.
Flowers, Mrs. (see Irvine, Annie McLean).
Flowers, Wilfred Stephen, M.B., Ch.B., 1925.
Flynn, Bridie, B.A., 1907; Dip. Ed., 1908.
Fogden, Gladys May, B.A. Hons. French III., 1924.
Foggin, Austin Noel, B.Sc. Hons. Maths. II., 1925; M.Sc., 1926; Dip. Ed., 1926.
Foggitt, Emma, (Mrs. Cornaby), B.A., 1905.
Foggitt, Ida, B.A. Hons. Eng. II., 1911; Dip. Ed., 1912.
Ford, Cyril Arthur, B.Sc. Hons. Maths. I., 1925; M.Sc., 1927; Dip. Ed., 1927.
Ford, Elsie Gwendoline Madge, M.B., Ch.B., 1925.
Ford, Evelyn, B.Sc. Hons. Bot. II., 1923; M.Sc., 1924; Dip. Ed., 1924.
Ford, Sarah, B.Sc. Hons. Bot. II., 1924; M.Sc., 1925; Dip. Ed., 1925.
Foreman, Jennie Christine, B.A., 1913.

Forrest, Frank, B.A. Hons. Eng. II., 1922.
Forrest, Stanley John, B.A. Hons. Hist. *Aegrot.*, 1927.
Forshaw, Bertha, B.A. Hons. French I., 1929.
Forster, Alexander, B.Sc. Hons. Physics II., 1924; M.Sc., 1925, Dip. Ed., 1925.
Forster, John Baker, B.Sc., 1919; M.Sc., 1920.
Forster, Walter Leslie, B.Sc., 1924.
Forsyth, Christina Brand, B.Sc., 1905.
Forsyth, John Andrew Cairns, M.B., Ch.B., 1920; M.Sc., 1920.
Fort, Morris, B.Sc., 1909; M.Sc., 1912; Dip. Dyeing, 1912.
Foster, Frank, B.Sc. Hons. Elec. Engrg. II., 1922; M.Sc., 1923.
Foster, Frank, B.Sc., 1924.
Foster, Frederick Newton, M.B., Ch.B. Hons. II., 1923.
Foster, Ralph Henry, B.A. Hons. Philos. III., 1928.
Fottrell, Edward Joseph, B.Sc., 1908.
Fouracre, Leslie, B.Sc. Hons. Physics II., 1922; M.Sc., 1923; Dip. Ed., 1923; M.Ed., 1925.
Fowler, Henry Percival, M.B., Ch.B. Hons. II., 1922.
Fowler, John, B.Sc. Hons. Elec. Engrg. II., 1921.
Fox, Abraham Barnett, LL.B., 1927.
Fox, Arthur, B.A., 1913; M.A., 1914; Dip. Ger., 1924.
Fox, Arthur Cunliffe, B.A., 1905.
Fox, Dorothy, B.Sc., 1924.
Fox, Ernest Wray, B.Sc., 1924.
Foxton, Hartas, M.B., Ch.B., 1914.
Frank, Dorothea Ethel, B.A., 1908; Dip. Ed., 1909; Dip. Fr., 1909.
Frank, George Herbert, B.Sc. Hons. Col. Chem. II., 1907, M.Sc., 1908.
Frank, Sarah (Mrs. Bonsall), B.A., 1905; M.A., 1907.
Frankland, Cecil James, LL.B., 1915.
Frankland, Edna May, B.Sc., Hons. Maths. III. 1925; Dip. Ed., 1926.
Frankland, John Naylor, D.Sc., 1905.
Franklin, Archie, M.B., Ch.B., 1925.
Franklin, Hyman, M.B., Ch.B., 1916.
Fraser, Ian Hurst Symon, B.Sc., 1924.
Frazer, Hyman, B.Sc. Hons. Maths. II., 1929.
Freedman, Bernard Barnet, LL.B., 1929.
Freeman, Eric Jesse, Dip. Dyeing, 1922; B.Sc., 1923.
Freeman, Jack, M.B., Ch.B., 1923.
Freer, Dorothy May, B.Sc., 1924; Dip. Ed., 1925.
Freshwater, Stanley Bruce, Dip. Dyeing, 1924; B.Sc. Hons. Col. Chem. II., 1925; M.Sc., 1926.
Friedman, Mortimer, LL.B. Hons. II., 1927.
Fritz, Gertrude, B.A., 1922.
Frobisher, James Hebblethwaite Martin, M.B., Ch.B., 1908.
Froelicher, Victor, Ph.D., 1922.
Fry, George Cecil, M.Sc., 1905.
Fryer, Constance Louisa, B.A., 1921.

Fuge, Harry Roseveare, B.A. Hons. Mod. Langs. II., 1925; Dip. Ed., 1926.

Gabriel, William Lawson Mabson, M.B., Ch.B.. Hons. II., 1917.
Gale, Florence (Mrs. Reeves), B.A., 1906.
Galloway, Jenny, B.Sc., 1920.
Galpine, Dorothy B.A. 1912.
Galsworthy, Hilda, B.Sc., 1926; Dip. Ed., 1927.
Gane, Richard, B.Sc. Hons. Chem. I., 1925; M.Sc., 1926; Ph.D., 1928.
Gardner, Geoffrey Harold, B.Sc., 1923.
Gardner, Walter Myers, M.Sc., 1906.
Garforth, Bertram, Dip. Dyeing, 1928; B.Sc. Hons. Col. Chem. I., 1929.
Garforth, Christina, B.A., 1917.
Garland, Hugh Gregory, M.B., Ch.B., 1926.
Garner, Walter, B.Sc. Hons. Col. Chem. III., 1922; M.Sc., 1923.
Garnett, Harold, B.Sc. Hons. Physics II., 1925, M.Sc., 1926.
Garside, Bernard, B.A. Hons. Hist. II., 1921; Dip. Ed., 1922.
Garside, Bertha, B.A., 1905.
Garstang, Margaret Pauline, B.Sc. Hons. Physiol. II., 1926; M.Sc., 1927.
Garton, Ida Mary, B.A. Hons. Hist. I., 1911; M.A., 1919.
Gartside, Ruth, B.A. Hons. Eng. II., 1920.
Gascoigne, Evelyn May (Mrs. Blackburn), B.A. Hons. Eng. I., 1905; M.A., 1926.
Gascoigne, Marjorie Hope, B.A. Hons. Eng. II., 1927; Dip. Ed., 1928.
Gascoigne, Mary Cecilia, B.A. Hons. Eng. II., 1924; Dip. Ed., 1925.
Gaukroger, Charles Anthony, B.A., 1924; Dip. Ed., 1925.
Gaunt, Herbert, B.Sc. Hons. Chem. III., 1926; M.Sc., 1927.
Gaunt, Louis Henry Armistead, B.Sc., 1908.
Gaunt, Maria Lambert, M.B., Ch.B., 1924.
Gaunt, Rufus, M.Sc., 1907.
Gaut, Robert Charles, B.Sc., 1905; M.Sc., 1910.
Gawler, Robert, M.Sc., 1905.
Gawthorpe, Wilfrid, B.A., 1913.
Gayes, Cyril Ernest, B.Sc. Hons. Engrg. II., 1921; M.Sc., 1922.
Geary, Elizabeth Baker, B.A., 1924; Dip. Ed., 1925.
Gedge, Peter Michael, B.A. Hons. Classics II., 1925.
Gee, Kenneth, B.A. Hons. Mod. Langs. II., 1923; Dip. Ed., 1924.
Geraghty, Kathleen Mary, B.A. Hons. Eng. II., 1927; Dip. Ed., 1929.
Geldard, Horace Marsden, B.A., 1921.
Gelling, William Edmund, B.Sc., 1928.
Gendall, Philip Parsons Watkins, B.A. Hons. Hist. II., 1909; M.A., 1911.
Gentles, Helen Elizabeth Cruickshank, B.A. Hons. Hist. II., 1925; Dip. Ed., 1926.

Gentles, James Ross, B.A., 1920.
George, Helen, B.Sc., 1927; Dip. Ed., 1928.
Geraghty, Kathleen Mary, B.A. Hons. Eng. II., 1927; Dip. Ed., 1929.
Gerard, Inglis Joseph, B.Sc. Hons. Engrg. III., 1911; M.Sc., 1912.
Ghose, Nanda Kishore, LL.B., 1929.
Ghosh, Edith, M.B., Ch.B., 1922.
Gibb, Mildred Anne, B.A. Hons. Hist. II., 1928; Dip. Ed., 1929.
Gibbs, Francis Alec, B.Sc. Hons. Physics III., 1924; M.Sc., 1925, Dip. Ed., 1925.
Gibson, Christine Madeline, B.A. Hons. Eng. II., 1919.
Gibson, George William, B.A., 1911; M.A., 1913.
Gibson, Gladys Louise, B.A., Hons. Eng. II., 1917.
Gibson, Hilda, B.A., 1929.
Gibson, Kathleen Shires, B.Sc., 1925.
Gibson, Ralph Gordon, B.Sc., 1927.
Gibson, Wilfrid, B.Sc. Hons. Chem. I., 1914.; M.Sc., 1915.
Gibson, William Stanley, B.Sc., 1924.
Gilbert, Marjorie, B.A. Hons. Hist. II., 1928; Dip. Ed., 1929.
Gilby, Ethel Mary Bertha, B.A. Hons. Mod. Langs. II., 1928; Dip. Ed., 1929.
Gilchrist, David, B.Sc. Hons. Mining Engrg. II., 1909; M.Sc., 1911.
Gill, Harry, B.Sc. Hons. Chem. III., 1927; Dip. Ed., 1928.
Gill, Lucy Isabel, B.A. Hons. Eng. II., 1927; Dip. Ed., 1928.
Gill, William Conrad, B.A. Hons. Hist. II., 1907; M.A., 1908; Litt.D., 1923.
Gilleard, Hector Raymond, B.A., 1925; Dip. Ed., 1926.
Gillies, John Cruickshanks, M.B., Ch.B., 1914.
Gilligan, Albert, B.Sc., 1917; M.Sc., 1917; D.Sc., 1918.
Gillman, Marguerite, B.A. Hons. Hist. II. 1916; M.A., 1919.
Gillyead, John Stanley Oldfield, B.Sc. Hons. Chem. II., 1923; M.Sc., 1924.
Girgis, Ibrahim, B.Com., 1925.
Gitsham, Ernest, B.A. Hons. Econ. II., 1923.
Gittleson, David, LL.B., 1922.
Gittleson, John, B.A., 1909; M.A., 1911.
Gladstone, Muriel, B.A., 1918.
Glass, Helen Mary, B.A. Hons. Mod. Langs. II., 1920.
Gleave, Humphrey Hart, M.B., Ch.B. Hons. I., 1920.
Gledhill, Edward, B.Sc. Hons. Physiol. I., 1929.
Gledhill, Henry, B.Sc., 1924; Dip. Ed., 1925.
Glick, Joe, B.Sc. Hons. Maths. II., 1929.
Glick, Nathan Bernard, B.Sc. Hons. Chem. I., 1911; M.Sc., 1912.
Glover, Emily Eliza Violet, M.B., Ch.B., 1916; M.D., 1918.
Glover, Frances Alice, B.A., 1928; Dip. Ed., 1929.
Glover, Mrs. (see Coppock, Laura).
Glover, Patrick Moore, B.Sc. Hons. Zool. II., 1928.
Glover, Sarah Annie, B.A. Hons. Hist. II., 1926; Dip. Ed., 1927.
Glover, Thomas Bernard, B.Sc., 1923.

Gloyne, Stephen Roodhouse, M.B., Ch.B., 1906, M.D., 1910.
Gobat, William Samuel, B.A., 1927.
Goddard, Clara Annie, B.Sc., 1905.
Goddard, Edith Eleanor, B.Sc., 1908.
Goddard, Ethel Mary, B.Sc., 1908.
Godfrey, Leslie Ronald, B.A., 1925.
Godfrey, May, B.A. Hons. Hist. I., 1928; Dip. Ed., 1929.
Godfrey, Mrs. (see Butler, Gloxinia).
Godlove, Leslie, M.B., Ch.B., 1928.
Goldblatt, Sydney, LL.B. Hons. I., 1927.
Golding, Mary Muriel, B.A., 1908; Dip. Ed., 1909.
Goldman, Lionel, B.Sc. Hons. Leather II., 1929.
Goldstone, Cecilia (Mrs. Offen), B.Sc., 1912.
Goldthorp, Alfred Reginald, B.Sc., 1923.
Goldthorpe, Harold, B.Sc., 1925.
Goldthorpe, William Oakland, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. I., 1923; M.Sc., 1924.
Gomersall, Ernest Edward, B.Sc., 1905.
Goodall, Abe, B.A. Hons. Hist. (*Aegrotat*), 1929.
Goodall, Frederick Leathley, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. I., 1922; M.Sc., 1923.
Goodall, Helen, B.A. Hons. Eng. II., 1925; Dip. Ed., 1926.
Goodchild, Undine Ethel, B.Sc., 1924; Dip. Ed., 1925.
Gooder, Walter Raymond, B.Sc. Hons. Chem. III., 1924; M.Sc., 1925.
Goodings, Alfred Cecil, B.Sc. Hons. Chem. I., 1925; M.Sc., 1925; Ph.D., 1927; Dip. Textiles, 1928.
Goodman, Abraham, M.B., Ch.B., 1922.
Goodman, John, M.Sc., 1905 (*under Ordinance XIII.*).
Goodson, Arthur Godfrey, B.Sc., 1908.
Goodson, Bessie, M.B., Ch.B., 1921.
Goodson, Ethel Elizabeth (Mrs. Osborne), M.Sc., 1907.
Goodwill, Elizabeth Mary, B.A., 1929.
Gordon, Florence Winifred, B.A., 1916.
Gordon, George Douglas, M.B., Ch.B., 1924.
Gordon, Isaac, B.Sc. Hons. Leather II., 1916.
Gordon, John, M.B., Ch.B., 1918; D.P.H., 1921; M.D. (*with distinction*), 1925.
Gordon, Louis, M.B., Ch.B., 1920; M.D., 1921; D.P.H., 1922.
Gordon, Mitchell, B.Sc. Hons. Col. Chem. II., 1924.
Gordon, Morris, B.Sc. Hons. Physiol. II., 1919; M.Sc., 1920; M.B., Ch.B., 1922.
Gormley, Mary Elizabeth, B.A., 1921; M.A., 1923.
Gorowara, Fagir Chang, Dip. Dyeing, 1925; B.Sc. Hons. Col. Chem. III., 1925; M.Sc., 1927.
Gorstige, Glen, M.B., Ch.B., 1925.
Goss, Francis Hennessey, M.B., Ch.B., 1915.
Gott, Herbert, B.Sc. Hons. Chem. III., 1921; M.Sc., 1922.
Gough, Alfred, M.B., Ch.B., 1905; Ch.M., 1910.
Gould, Percy, B.Sc., 1910.

Goyer, Marie, B.Sc., 1920; M.Sc., 1921.
Gozney, Charles Marsh, M.B., Ch.B., 1914.
Graham, Alexander, B.Sc., 1928.
Graham, Hugh Colborne, B.Sc., 1910.
Graham, Muriel Dorothea, M.B., Ch.B., 1924.
Graham, Reginald, M.B., Ch.B., 1918.
Grainger, John, B.Sc. Hons. Agric. Bot. I., 1928.
Grange, Mary Elizabeth, B.A. Hons. Eng. II., 1921.
Grant, Alexander George, B.Sc., 1925; B.Sc. Hons. Gas Engrg. I., 1926; M.Sc., 1926.
Grant, Allan, B.Sc., 1922.
Grant, Charles Henry, M.Sc., 1905.
Grant, Frederick Ernest, B.Sc., 1905.
Grant, Jessie, B.A., 1919.
Grant, Violet Millicent, B.Sc. Hons. Bot. I., 1927; Dip. Ed., 1928.
Grassby, William Buttery, B.Sc. Hons. Chem. II., 1923; M.Sc., 1924; Dip. Ed., 1924.
Grassham, Marjorie Helena, B.A. Hons. French II., 1925; Dip. Ed., 1926.
Grassham, Muriel, B.A., 1917.
Grassham, William Leslie, B.Sc. Hons. Mining Engrg. II., 1925; M.Sc., 1925.
Gray, Albert Hilliard, B.Sc. Hons. Elec. Engrg. II., 1921; M.Sc., 1922.
Gray, Arabella Hyde Janet Ethel, B.A., 1905.
Gray, Catherine Isabella (Mrs. W. P. Welpton), B.A., 1905.
Gray, Isabel, B.A., 1910.
Gray, Olive Rosina, B.A., 1921.
Grayson, Harold, B.A., 1926.
Greaves, Frederick William Marshall, M.B., Ch.B., 1905; D.P.H., 1910; M.D., 1927.
Green, Arthur Eatough, B.Sc. Hons. Engrg. II., 1913; M.Sc., 1920.
Green, Arthur George, M.Sc., 1905 (*under Ordinance XIII.*).
Green, Benjamin Cecil, B.A., 1913.
Green, Clara, B.Sc., 1919.
Green, David, B.A., 1910; M.A., 1915.
Green, Ida Walton, B.A., 1920.
Green, Lilian Beatrice, B.A., 1922; Dip. Ed., 1923.
Green, Thomas Edwin, B.Sc., 1912; M.Sc., 1927.
Green, Thomas Geoffrey Spurr, B.Sc. Hons. Civil Engrg. I., 1929.
Green, Wilfred Ellis, B.Sc. Hons. Physics II., 1929.
Greenan, Angela Mary, B.A. Hons. Hist. III., 1922.
Greening, Edward Baptist, B.A., 1907.
Greenwood, Arthur, B.Sc., 1905.
Greenwood, Charles Henry, M.B., Ch.B., 1905.
Greenwood, Dora, B.Sc. Hons. Bot. II., 1924; M.Sc., 1925; Dip. Ed., 1925.
Greenwood, Edward Joseph Bernal, B.Sc. Hons. Elec. Engrg. II., 1909; M.Sc., 1916.

Greenwood, Emily Maud (Mrs. Dowler), B.A. Hons. Mod. Langs. I., 1912; M.A., 1913.
Greenwood, Ernest Blakeley, B.Sc., 1929.
Greenwood, Hannah, B.Sc. Hons. Maths. II., 1925; Dip. Ed., 1926.
Greenwood, Harold, M.A., 1920.
Greenwood, Henry Harold, M.B., Ch.B., 1905.
Greenwood, Herbert Donald, B.Sc. Hons. Gas. Engrg. I., 1921; M.Sc., 1921.
Greenwood, John Robert Sharp, M.B., Ch.B., 1925.
Greenwood, Josemée Marguerite, B.A. Hons. Mod. Langs. III., 1914.
Greenwood, Lilian, B.Sc. Hons. Bot. III., 1927; Dip. Ed., 1928.
Greenwood, Norris, B.A. Hons. Geog. II., 1924.
Greenwood, Norris, B.Sc., 1922; Dip. Ed., 1923; M.Ed., 1924.
Greenwood, Phyllis, B.A., 1916.
Greenwood, Sybil, B.Sc., 1921.
Greenwood, William Osborne, M.B., Ch.B., 1905; M.D., 1917.
Gregg, Dorothy, B.Sc. Hons. Bot. II., 1925; M.Sc., 1926; Dip. Ed., 1926.
Gregg, Herbert Atkinson, B.Sc., 1907.
Gregory, Frederick Maurice, B.Sc. Hons. Engrg. I., 1905.
Gregory, George Archibald, B.Sc., 1915.
Gregory, Mrs. G. A. (see Stead, Freda Elizabeth).
Gregson, Annie, B.Sc., 1911; Dip. Ed., 1912.
Greig, Eric, Dip. Dyeing, 1925; B.Sc., 1926.
Grice, Rosalind Margaret, B.A. Hons. Eng. I., 1922; Dip. Ed., 1923.
Griffiths, Annie Maud, B.Sc. Hons. Bot. I., 1929.
Griffiths, Dorothy, B.A. Hons. Hist. II., 1918.
Griffiths, Mabel, B.Sc. Hons. Maths. III., 1925.
Grimshaw, Kathleen, B.A. Hons. Hist. III., 1926; Dip. Ed., 1927.
Grimshaw, Mrs. (see Rogers, Violetta).
Grimwood, Pattie, B.Sc., 1924.
Grindle, William George, B.Sc., 1914; M.Sc., 1915.
Groocock, Constance Mary, B.Sc. Hons. Chem. I., 1928.
Groocock, Helena, B.Sc., 1909.
Gross, Desirée Muriel Barbara, M.B., Ch.B. Hons. II., 1924; M.D. (*with distinction*), 1927.
Groves, Winnifred Halliday (Mrs. Edmondson), B.A. Hons. Mod. Langs. III., 1910.
Grundy, Fred, M.B., Ch.B. Hons. II., 1927.
Guenin, Hedley Roy, B.Sc., 1927.
Gummersall, Fanny Jane, B.Sc. Hons. Maths. II., 1925.
Gundill, Edward Norman, LL.B., 1908.
Gunnell, Doris, B.A. Hons. Mod. Langs. I., 1905; M.A., 1910.
Gunter, John Henry, B.Sc., 1905.
Gupta, Kumud Bandhu Sen, Dip. Ed., 1927; M.Ed., 1928.
Gurney, Denies St. John Cecil, B.A. Hons. Hist. III., 1915; Dip. Ed., 1921.

Gurney, Geoffrey John, B.A., 1925.
Guy, Ernest, B.Sc. Hons. Geol. III., 1910, M.Sc., 1911.
Guy, Hilda, (Mrs. Sewell), B.Sc., 1918.
Guy, Kathleen, B.A. 1928.

Hackworth, Vivian Cuthbert, M.B., Ch.B., 1906.
Haddock, Alfred, B.Sc. Hons. Elec. Engrg. I., 1927.
Hagues, George, B.Sc. Hons. Chem. II., 1922; M.Sc., 1924.
Haigh, Charles Benjamin, B.Sc. Hons. Col. Chem. II., 1923; M.Sc. 1924; Dip. Ed., 1926.
Haigh, Dorothy, B.A. Hons. French II., 1928; Dip. Ed., 1929.
Haigh, Evangeline, B.A. Hons. Eng. II., 1925; Dip. Ed., 1926.
Haigh, Hubert, B.A., 1923; Dip. Ed., 1924.
Haigh, John Henry, B.Sc. Hons. Geol. III., 1909. M.Sc., 1910.
Haigh, Margery, B.A. Hons. Hist. II., 1916.
Hainsworth, George, B.A. Hons. French I., 1927; M.A., 1929.
Hainsworth, Ivy, B.A., 1917.
Hainsworth, Phyllis, B.A. Hons. Eng. II., 1928.
Hainsworth, Reuben Gaunt, B.Com., 1924.
Hale, Agnes, B.A., 1910; M.A., 1926; Dip. Ed., 1926.
Hale, Hubert, B.Sc. Hons. Physics III., 1928; Dip. Ed., 1929.
Haler, Percy James, B.Sc., 1905; M.Sc., 1923.
Hall, Agnes Kathleen, B.Sc. Hons. Bot. III., 1926; Dip. Ed., 1927.
Hall, Annie, B.A., 1929.
Hall, Arthur Leonard, B.Sc. Hons. Col. Chem. II., 1922.
Hall, George Vincent, B.Sc., 1925; B.Sc. Hons. Chem. I., 1926; M.Sc., 1926.
Hall, Gladys Mary, B.A. Hons. Hist. III., 1926; Dip. Ed., 1927.
Hall, John, Dip. Dyeing, 1921; B.Sc. Hons. Col. Chem. I., 1922; M.Sc., 1923.
Hall, Leslie, B.Sc. Hons. Geol. II., 1925; M.Sc., 1926; Dip. Ed., 1926.
Hall, Leslie George Richard, B.A., 1923.
Hall, Robert Oswald, B.Sc. Hons. Chem. II., 1927.
Hall, William, B.Sc., 1910.
Halladay, Albert Raymond, B.A., 1927.
Haller, John Walter Ecroyd, Dip. Dyeing, 1922 B.Sc. Hons. Col. Chem. II., 1923; M.Sc., 1924.
Halliday, Mrs. (see Kirkwood, Winifred).
Halliday, Wilfred Joseph, B.A., 1910; M.A., 1913.
Halloran, John Herbert, B.A. Hons. Mod. Langs. I., 1924; M.A., 1928.
Halstead, Dorothy, B.Sc. Hons. Physiol. II., 1925; M.Sc., 1926; M.B., Ch.B., 1928.
Hamer, Ernest Fenton, B.Sc., 1911.
Hamlin, Cyril, B.A., 1928; Dip. Ed., 1929.
Hammerton, Jonas, M.Sc., 1905.
Hammond, Agnes, B.A. Hons. Hist. II., 1920.
Hammond, Joseph King, B.Sc., 1926.

Hammond, Marjorie, B.A. Hons. Eng. III., 1924; Dip. Ed., 1925.
Hammond, Mrs. (see Appleyard, Ada Evelyn).
Hammond, Mrs. (see Barras, Elsie Clara).
Hampshire, Florence Elizabeth, B.Sc., 1905.
Hampshire, Madge, B.A. Hons. French II., 1929.
Hamza, Hamed Abd el Baki, B.Sc. Hons. Mech. Engrg. II., 1928.
Hanby, Alice Maude, B.Sc. Hons. Bot. II., 1924; M.Sc., 1925; Dip. Ed., 1925.
Hanby, Edna Mary, B.A., 1921.
Hanby, John Henry, B.A., 1926.
Hanby, Thomas, B.Sc. Hons. Chem. I., 1916.
Hand, Harry Aram, B.A. Hons. Hist. III., 1909.
Hand, William Thomas, B.A., 1906; M.A., 1907.
Handley, Edgar Geoffrey, B.Sc., 1925.
Handley, George Bernard, B.Sc., 1925.
Hann, Reginald Charles D'Arcy, M.B., Ch.B., 1926.
Hanna, Miltiadi, B.Sc. Hons. Maths. I., 1924; M.Sc., 1925; Ph.D., 1926.
Hansell, John Bentley, B.Sc., 1906.
Hanson, John Lloyd, B.A. Hons. Hist. II., 1924; Dip. Ed., 1925; M.A., 1926.
Hanson, Robert Craig, M.B., Ch.B., 1928.
Hanson, Thomas Halliday, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. II., 1923; M.Sc., 1924.
Hanson, Wilford, B.Sc. Hons. Chem. II., 1926.
Hardacre, Richard Walter, Dip. Dyeing, 1923; B.Sc. Hons. Col. Chem. I., 1924; M.Sc., 1925; Ph.D., 1926.
Hardacre, William, B.A. Hons. Hist. III., 1923; M.A., 1924.
Hardaker, Cyril William, B.Sc., 1922.
Hardaker, Doris Mary, B.A. Hons. Eng. II., 1924; Dip. Ed., 1925.
Hardaker, Ernest Victor, B.Sc., 1922.
Hardcastle, Richard, B.A., 1929.
Harding, Oswald Jackson, B.Sc., 1905; Dip. Geog., 1922; M.Sc., 1929.
Harding, Reginald, B.A. Hons. Hist. II., 1912.
Harding, Thomas Roland, B.Sc. Hons. Col. Chem. III., 1923.
Hardisty, Victoria Lavinia, B.Sc., 1910.
Hardwick, Alan, B.Sc., 1924; Dip. Ed., 1925.
Hardwick, Arthur, B.A., 1915.
Hardwick, John, B.Sc. Hons. Physics II., 1929.
Hardwick, Mrs. (see Meyer, Ellen Grace).
Hardwick, Philip Vincent, M.B., Ch.B., 1925.
Hardy, Digby Wrangman, M.B., Ch.B., 1907.
Hardy, Florence Mabel, B.Sc. Hons. Maths. I., 1922; Dip. Ed., 1923.
Hardy, Joseph, B.Sc., 1905.
Hardy, Leslie Isaac, M.B., Ch.B., 1927.
Hardy, Wilfred, B.A. Hons. Classics II., 1921.
Hare, Arthur, B.Sc. Hons. Physics I., 1922; Ph.D., 1924.

Hare, Christine Mary Bathurst, (Mrs. Case), M.B., Ch.B., 1922.
Hare, Sydney, B.Sc., 1922.
Hargreaves, Edith, (Mrs. Thorp), B.Sc., 1907.
Hargreaves, Florence Mary, B.A., 1927; Dip. Ed., 1928.
Hargreaves, James Harold, B.Sc., 1915.
Hargreaves, John Richard, B.Sc., 1924; Dip. Textiles, 1925.
Harland, Lois Hope, B.A. Hons. Eng. III., 1920.
Harrabin, Frank, B.Sc. Hons. Elec. Engrg. I., 1925; M.Sc., 1926.
Harrap, Frank Nettleton, B.Sc. Hons. Chem. III., 1914; Hons. Leather I., 1915; M.Sc., 1915.
Harris, Edward Geoffrey, Dip. Dyeing, 1920; B.Sc. Hons. Col. Chem. I., 1921.
Harris, Elsie, B.Com., 1922.
Harris, Herbert Fred Pattison, B.Com., 1923.
Harris, Lewis, B.Com., 1923.
Harris, Robert William, B.Sc., 1923.
Harrison, Amy Geraldine (Mrs. Ball), B.A., 1917; M.A., 1918.
Harrison, Elsie Minnie Coates, B.Sc., 1923; Dip. Ed., 1924.
Harrison, Mary, B.Sc., 1929.
Harrison, Maurice, B.A. Hons. Hist. II., 1927; Dip. Ed., 1928.
Harrison, Robert Walter, B.A. Hons. Hist. I., 1926.
Harrison, Sarah Muriel, B.A. Hons. Mod. Langs. III., 1923.
Harrison, William, LL.B., 1910.
Harrison, William, M.Sc., 1919.
Harrop, Alfred Leslie Clare, M.B., Ch.B., 1921.
Hart, Thomas John, B.Sc., 1928; Zool. Hons. I., 1929.
Hart, Walter Sidney, M.B., Ch.B., 1910.
Hartfall, Stanley Jack, B.Sc., 1923; M.B., Ch.B. Hons. II., 1926.
Hartley, George William, B.A. Hons. Eng. III. 1924; Dip. Ed. 1925; M.Ed., 1927.
Hartley, Harry, M.B., Ch.B., 1924.
Hartley, James Henry, B.Sc., 1922.
Hartley, Joan, B.A., 1918.
Hartley, John Alfred, B.Sc. Hons. Chem. I., 1914; M.Sc., 1915.
Hartley, John Leslie, M.B., Ch.B., 1925.
Hartley, Norman, B.Sc. Hons. Physics II., 1927.
Hartley, Percival, B.Sc., 1905.
Harvey, Mrs. (see Burgess, Lillie).
Harvey, Ruth, B.A. Hons. Hist. III., 1928; Dip. Ed., 1929.
Hashmi, Bashir Ahmad, Dip. Ed., 1926; M.Ed., 1927.
Hassan, Henry, B.Com. Hons. II., 1929.
Hassan, Khwaja Habib, B.Sc., 1922.
Hassan, Zaki, B.Com., 1923.
Hastings, Margaret, B.A. Hons. Mod. Langs. II., 1906; M.A., 1907.
Hawkesworth, Gladys May, B.Sc. Hons. Maths. III., 1926; Dip. Ed., 1927.
Haworth, Phyllis Broughton, B.A., 1920.
Haworth, Richard, B.Sc., 1908.

Hawson, Douglas, B.A. Hons. Eng. II., 1926.
Hawthorn, Harold, B.A. Hons. Hist. II., 1928.
Hawthorne, John Eric, B.Sc. Hons. Physics II., 1922; M.Sc., 1922; Dip. Ed., 1923.
Hayes, Allan, B.A. Hons. Mod. Langs. II., 1915.
Hayes, Frederick William, M.B., Ch.B., 1905.
Hayes, Harry, B.Sc. Hons. Chem. I., 1914; Hons. Leather I., 1915.
Hayes, Robert Andrew, B.Sc. Hons. Maths. II., 1912; M.Sc. 1913.
Haygarth, Dorothy, B.A. Hons. Hist. II., 1920.
Haynes, Marjorie, B.Sc., 1924; M.B., Ch.B., 1926.
Haythorne, Arnold, B.A. Hons. Mod. Langs. (not classified) 1918.
Hazeldon, John Nicholson, B.Sc., 1921; M.Sc., 1928.
Hazelip, John Cannell, B.A. Hons. Econ. II., 1922.
Head, Edward Keith, B.A., 1914.
Head, Jane, B.A., 1914; M.A., 1915.
Heafford, Philip Ernest, B.Sc. Hons. Physics II., 1926.
Healey, Ernest, B.A. Hons. Philos. II., 1922; M.A., 1924; Dip. Ed., 1926.
Healey, Mrs. E. (see Kuoni, Eileen Alice).
Healey, Walter, B.Sc. Hons. Chem. III., 1926; M.Sc., 1927; Dip. Ed., 1928.
Heap, Denzil, M.B., Ch.B., 1926.
Heaps, Helen, B.Sc. Hons. Bot. II., 1921; M.Sc., 1921.
Heath, Daphne Muriel, B.A. Hons. Mod. Langs. III., 1922. Dip. Ed., 1923.
Heath, Winifred Mary, B.A., 1917.
Heaton, Herbert, B.A. Hons. Hist. I., 1911; Litt.D., 1921.
Heaton, Wallace James, B.A., 1921.
Hebb, Herbert Ernest, B.A. Hons. Mod. Langs. II., 1922; Dip. Ed., 1923; M.A., 1926.
Hebblethwaite, Arthur Stuart, M.B., Ch.B. Hons. II., 1914; D.P.H., 1920.
Hebden, Rowland, B.Sc. Hons. Chem. III., 1925; M.Sc., 1926 Dip. Ed., 1926.
Hebron, Arthur, B.Sc., 1913.
Hefford, Charles Nelson, M.Sc., 1905.
Hefford, George Winfield, B.Sc., 1905.
Hellewell, Frank Wharton, LL.B. Hons. III., 1922.
Hellewell, Herbert Arnold, M.B., Ch.B., 1924.
Hellier, Mary, M.B., Ch.B. Hons. II., 1922.
Helliwell, Betty, B.A. Hons. Mod. Langs. II., 1923; Dip. Ed., 1924.
Helps, Gordon, B.Sc., 1920.
Hemingway, Albert, B.Sc. Hons. Physiol. I., 1922; M.B., Ch.B. Hons. II., 1925; M.Sc., 1925.
Hemming, Kathleen May, B.Sc. Hons. Bot. II., 1927; Dip. Ed., 1928.
Hemsworth, Laura Alice, (Mrs. Loseby), B.A., 1920.

Henderson, Alexander, B.Sc. Hons. Fuel and Met. I., 1923; M.Sc., 1923.
Henderson, William Albert, B.Sc., 1914.
Hendin, Henry Thoms Richard, B.Sc., 1923.
Hennesey, Wilfrid Edmund Brailsford, B.Sc., 1924.
Henson, Alan Dale, B.Sc. Hons. Chem. II., 1925; M.Sc., 1926; Dip. Ed., 1927.
Hepburn, Edith Olive, B.A. Hons. Hist. II., 1929.
Heppenstall, Alice, B.Sc., 1927.
Heptinstall, Alfred Leslie, B.A., 1927; Dip. Ed., 1928.
Heptinstall, Richard, B.Sc., 1905.
Heptonstall, Margaret Edith, B.A. Hons. Hist. II., 1923; Dip. Ed., 1924.
Heptonstall, Robert Allatt, LL.B., 1923.
Hepworth, Edward, B.Sc. Hons. Geol. II., 1921; M.Sc., 1921
Hepworth, Frank, B.A., 1905.
Hepworth, James Alexander, B.Sc., 1921.
Hepworth, Minnie, B.A., 1905.
Hepworth, Rosalind Marie, B.A. Hons. Hist. II., 1926; Dip. Ed., 1927.
Hepworth, Ruby Doreen, B.A. Hons. Hist. III., 1927; Dip. Ed., 1928.
Hepworth, Sydney Milverton, M.B., Ch.B., 1909.
Hepworth, William, B.Sc., 1916.
Herbert, Mabel, B.A. Hons. Hist. II., 1916.
Herd, Elsie May, B.A., 1924; Dip. Ed., 1925.
Herklots, Geoffrey Alton Craig, B.Sc. Hons. Bot. I., 1924.
Herklots, Rosamond Eleanor, B.A. Hons. French II., 1928.
Heron, William, Ph.D., 1922; M.Ed., 1923.
Heseldin, George, B.Sc. Hons. Engrg. III., 1922; M.Sc., 1923.
Heseltine, Leonard Beanland, M.B., Ch.B. Hons. II., 1928.
Hesketh, Frank, LL.B. Hons. II., 1922.
Hessel, William Thomas, M.B., Ch.B., 1910.
Hesterlow, Edward, M.B., Ch.B., 1914.
Hetherington, Joseph Guy, B.A. Hons. Hist. II., 1927; M.A., 1929.
Hewerdine, Harry, B.Sc., 1910; M.Sc., 1922.
Hewitt, Edward Russell, B.Sc. Hons. Chem. III., 1923; M.Sc., 1923.
Hewitt, Percy George, B.Sc., 1912.
Hewlett, Mary, B.Sc., 1915; M.Sc., 1916.
Hewson, Constance Freda, B.A. Hons. Eng. II., 1915.
Hewson, Frank Richard Hick, B.A., 1912.
Hewson, Thomas Harold, B.A., 1920; M.A., 1924.
Hey, Arthur Marsden, B.Sc. Hons. Leather II., 1920; M.Sc., 1921.
Hey. Leslie, B.Sc. Hons. Chem. II., 1928; Dip. Ed., 1929.
Hey, Minnie, B.Sc., 1912.
Hey, Reginald, B.Sc. Hons. Leather II., 1926.
Hickman, Ella Martin, B.Sc. Hons. Physiol. II., 1918; M.Sc., 1919; M.B., Ch.B., 1921; M.D., 1924.

Hickson, Bernard, B.Sc. Hons. Col. Chem. I., 1911 ; M.Sc., 1912 ; Dip. Dyeing, 1912.
Hield, Esther Margaret, B.A., 1905.
Hield, Mary Elsie, B.Sc., 1905.
Higab, Mohamed Ali, B.Sc. Hons. Maths. I., 1924 ; M.Sc., 1925 ; Ph.D., 1926.
Higgins, Gertrude Mary, B.A. Hons. Mod. Langs. III., 1922.
Higginson, Constance Bernie, B.A., 1928; Dip. Ed., 1929.
Hilary, Daisy, B.Sc., 1905.
Hildreth, Egbert Manfred, B.Sc. Hons. Chem. III., 1925 ; M.Sc., 1926.
Hiley, Cecil Rhodes, M.B., Ch.B., 1928.
Hiley, Jack, B.Sc., 1926.
Hill, Donald John, B.Sc., 1920.
Hill, Frank Bracewell, B.Sc. Hons. Col. Chem. III., 1926; M.Sc., 1927.
Hill, George Edward, B.A. Hons. Geog. II., 1927.
Hill, Harold, B.A. Hons. Eng. II., 1921 ; Dip. Ed., 1922 ; M.A., 1927.
Hill, Harold Harrison, B.A. Hons. Hist., (not classified), 1916 ; M.A., 1922.
Hill, Jack, LL.B., 1927.
Hill, James, B.Sc. Hons. Chem. I., 1910 ; M.Sc., 1911.
Hill, Jessie, B.Sc., 1915.
Hill, William Rutland, M.B., Ch.B., 1925.
Hillas, Norman, B.A. Hons. Hist. I., 1915 ; Dip. Ed., 1920.
Hillier, Gordon, M.Sc., 1921.
Hinchliff, Mildred, B.Sc. Hons. Bot. I., 1923 ; M.Sc., 1924.
Hinchliffe, Gerald, B.A., 1921 ; M.A., 1925.
Hinchcliffe, Henry Tarbutt, B.Sc., 1928.
Hinchliffe, Rex Ernest, B.Sc. Hons. Chem. II., 1923 ; M.Sc., 1924 ; Dip. Ed., 1925.
Hinckley, Arthur, B.Sc., 1908 ; M.Sc., 1910.
Hinckley, Mrs. (see Tunnicliffe, Eveline May).
Hinckley, Philip, B.A. Hons. Hist. II., 1911 ; M.A., 1917.
Hind, George Edward Lockhart, Dip. Dyeing, 1922 ; B.Sc. Hons. Col. Chem. I., 1922 ; M.Sc., 1923.
Hind, Mildred, B.Sc., 1916.
Hindle, John Alfred, B.Sc. Hons. Chem. II., 1923 ; M.Sc., 1923.
Hindle, John Leslie, B.Sc., 1923.
Hinings, Charles Leslie, B.Sc. Hons. Engrg. I., 1922.
Hinton, John Joseph Cyril, B.Sc., 1925 ; B.Sc. Hons. Bot. I., 1926 ; Ph.D., 1928.
Hipshon, Isaac, M.B., Ch.B., 1921.
Hird, Florence, B.Sc. Hons. Bot. I., 1928 ; Dip Ed. 1929.
Hird, Joseph, B.Sc., 1926.
Hirst, Alice Elizabeth, B.A., 1920 ; M.A., 1922.
Hirst, Arthur John Crosleigh, LL.B. Hons. III., 1923 ; LL.M., 1929.
Hirst, Beatrice May, B.A., 1913 ; Dip. Ed., 1914.

Hirst, Fannie, M.B., Ch.B., 1925; D.P.H., 1928.
Hirst, Florence Vivien, B.A., 1923.
Hirst, Gordon Archer, B.Sc., 1928.
Hirst, Henry Reginald, B.Sc. Hons. Chem. III., 1905; M.Sc., 1929.
Hirst, Herbert Frederick, B.Sc., 1923; Dip. Ed., 1924.
Hirst, John Crosland, B.A. Hons. Classics I., 1908; M.A., 1909; Dip. Ed., 1909.
Hirst, Kathleen Margaret, B.Sc. Hons. Bot. II., 1929.
Hirst, Kenneth Arthur B.Sc. Hons. Maths., I., 1929.
Hirst, Lucy Kathleen, B.A. Hons. Mod. Langs. II., 1922.
Hirst, Miriam, B.A., 1905.
Hitcham, Charlotte Elsie, B.A., 1905.
Hitchcock, John Easton, B.A. Hons. Hist. II., 1926; Dip. Ed., 1927.
Hitchen, Bernice, B.Sc., 1929.
Hoar, Harold Stanley, B.A., 1914.
Hobart, John William, B.Sc., 1905.
Hobley, Robert Arthur, B.Sc., 1905.
Hobson, Elsie Irene, B.A. Hons. Hist. III., 1908; M.A., 1909, Dip. Ed., 1910.
Hobson, Gladys, B.A. Hons. Mod. Langs. II., 1924; Dip. Ed., 1925.
Hobson, Julia, B.A. Hons. Mod. Langs. I. (*Distinction* in Germ.), 1910; M.A., 1912.
Hobson, Mary Elizabeth, B.A., 1916.
Hockney, Harry Linslay, Dip. Dyeing, 1920; B.Sc. Hons. Col. Chem. III., 1921; M.Sc., 1922.
Hodges, Raymond John, B.A. Hons. Classics II., 1907; M.A., 1909.
Hodgkins, Lorna Mary, B.A., 1926; Dip. Ed., 1927.
Hodgson, Charles Edward, M.A., 1905.
Hodgson, David Maxwell, B.Sc., 1921.
Hodgson, Enid Annie, B.Sc., 1925; Dip. Ed., 1926.
Hodgson, Evelyn, B.Sc. Hons. Bot. I., 1927; Dip. Ed., 1928.
Hodgson, George, Dip. Dyeing, 1922; B.Sc., 1922.
Hodgson, Ralph, M.B., Ch.B., 1921.
Hodkinson, Florence Ann, B.Sc., 1928; Dip. Ed., 1929.
Hodsman, Henry James, B.Sc. Hons. Chem. I., 1906; M.Sc., 1907.
Hogan, Kathleen, B.A. Hons. Eng. I., 1908; M.A., 1909.
Hoggett, Frank Noel, Dip. Dyeing, 1921; B.Sc. Hons. Col. Chem. II., 1922; M.Sc., 1923.
Hoggett, William John, B.A., 1926.
Hogley, Marian (*Mrs. Orton*), B.A. Hons. Hist. II., 1919.
Hogley, Mary Kathleen, B.A. Hons. Mod. Langs. III., 1923; Dip. Ed., 1924.
Holder, Eleanor, B.A. Hons. French I., 1925; M.A., 1928,
Holding, Jean, B.Sc., 1928; Dip. Ed., 1929.
Holdsworth, Arthur, B.Sc., 1928.

Holdsworth, Eric Edward, M.B., Ch.B., 1921.
Holdsworth, Frank Reginald, B.Com. Hons. II., 1923; Dip. Ed., 1924.
Holdsworth, Maude Marian Elizabeth (Mrs. Cuckow), B.A., 1916.
Hole, Ellen Mary, B.A., 1914; M.A., 1915.
Hole, Herbert Wray, B.Sc., 1911; M.Sc., 1913.
Holgate, Edward, B.Sc. Hons. Engrg. I., 1906.
Holgate, James, B.Sc., 1913.
Holgate, Jane, B.A., 1905.
Holgate, Mary Sarah, B.Sc. Hons. Maths. II., 1922; Dip. Ed., 1923.
Holliday, Marjorie Tate, B.A. Hons. Mod. Langs. I., 1915; Dip. Ed., 1916.
Hollings, Dorice Mary Clotilda, B.Sc., 1913.
Hollings, George William, M.B., Ch.B. Hons. II., 1920.
Hollings, Harold, B.Sc. Hons. Gas Engrg. I., 1914; M.Sc., 1914.
Hollings, Mary, B.A., 1919.
Holm, Cai Christian, M.B., Ch.B., 1926.
Holmes, Barbara de Lacy, B.A. Hons, Eng. II., 1928.
Holmes, Bessie Hepworth, B.A. Hons. Mod. Langs. II., 1923.
Holmes, Carrie, B.A. Hons. Eng. I., 1905; M.A., 1907.
Holmes, Clarise Mary, B.A. Hons. Hist. II., 1925; Dip. Ed., 1926; M.A., 1927.
Holmes, Derek de Lacy, B.A. Hons. Hist. I., 1926.
Holmes, Edwin, M.B., Ch.B. Hons. II., 1923.
Holmes, Elsie Helena, B.Sc. Hons. Chem. III., 1925; M.Sc., 1926.
Holmes, Ethel (Mrs. Chapman), B.A., 1905.
Holmes, Frank, B.Sc. Hons. Maths. II., 1924; M.Sc., 1925; Dip. Ed., 1926.
Holmes, Grace Jessica, B.A. Hons. Classics II., 1929.
Holmes, Robert Sidney William, B.A. Hons. Econ. III., 1923.
Holness, Harry, B.Sc., 1925.
Holroyd, Eleanor Mary, B.Sc., 1909.
Holroyd, Mary Evelyn, B.Sc., 1926; Dip Ed., 1927.
Holroyd, Percy, B.Sc., 1922.
Holroyd, Thomas Arthur, B.Sc. Hons. Col. Chem. I., 1912; Dip. Dyeing, 1912; M.Sc., 1913.
Holroyde, Doris Helena, B.A. Hons. Classics III., 1919.
Holt, Harry Mainwaring, M.B., Ch.B., 1917; D.P.H., 1928.
Holt, Henry, M.D., 1918.
Holyday, Vera Mary, B.A. Hons. Hist. II., 1923; Dip. Ed., 1924.
Hoole, William Leslie, M.B., Ch.B., 1927.
Hooper, Alfred Gifford, B.A. Hons. Mod. Langs. II., 1929.
Hooton, Ruth, B.Sc. Hons. Physiol. II., 1929.
Hopkin, Jessie Melville, B.A. Hons. Eng. II., 1918.
Hopkins, Eric Arthur, B.A. Hons. Hist. III., 1910.
Hopkinson, Alice Elizabeth, B.A., 1928.
Hopkinson, Harry, M.B., Ch.B., 1928.
Hopkinson, Lucy, B.Sc. Hons. Bot. III., 1925; M.Sc., 1926; Dip. Ed., 1927.
Hoppenstadt, Isaac, B.Sc., 1911.

Hopper, Sydney Herbert. B.A. Hons. Hist. I., 1921 ; M.A., 1923.
Hopper, Thomas Wright, B.Sc., 1926 ; Dip. Ed., 1927.
Hopton, Maurice, B.Sc., 1920.
Hopton, Ralph, M.B., Ch.B., 1905.
Hopton, William, B.Sc., 1923 ; Dip. Ed., 1925.
Hornby, Clement Denton, B.Sc. Hons. Chem. III., 1916 ; M.Sc., 1917.
Hornby, William Oswald Surtees, M.B., Ch.B., 1925.
Horne, Mary Osyth, B.A., 1911.
Horne, Winifred Louise, B.A. Hons. Hist. III., 1919.
Horner, James William, B.Sc., 1929.
Horner, Thomas Philip, B.Sc., 1928 ; Dip. Ed., 1929.
Hornsey, Margaret Alice, B.A. Hons. Hist. III., 1924 ; Dip. Ed., 1925 ; M.A., 1929.
Horrell, Arthur, B.Sc., 1926.
Horrell, Ella, B.A. Hons. Eng. II., 1920.
Horsfall, Herbert Victor, M.B., Ch.B., 1917.
Horsfall, Jessy Eveline, B.A., 1908.
Horsfall, Ronald Smith, B.Sc. Hons. Chem. II., 1906 ; M.Sc., 1907.
Horsley, Ernest, B.A. Hons. Eng. I., 1915.
Horsley, George, B.A. Hons. Hist. II., 1928 ; Dip. Ed., 1929.
Horsman, Margaret, B.A. Hons. Hist. III., 1926 ; Dip. Ed., 1927.
Hosker, Annie, B.Sc., 1929.
Hosking, John, B.A., 1911.
Hoskins, Charles Randall, B.Sc. Hons. Chem. II., 1924 ; Ph.D., 1927.
Hou, Yen-Ping, B.Sc., 1914.
Hough, Ellis, B.Sc. Hons. Chem. III., 1922 ; M.Sc., 1923.
Hough, Mary, B.A., 1922.
Hough, William Ewart, B.A., 1922 ; M.A., 1926.
Houldsworth, Hubert Stanley, B.Sc. Hons. Physics I., 1911 ; M.Sc., 1912 ; D.Sc., 1925.
Houston, Henry, B.A. Hons. Geog. II., 1926.
Howard, Elizabeth Wareing, B.Sc. Hons. Bot. II., 1929.
Howard, Muriel, B.Sc. Hons. Chem. III., 1924 ; M.Sc., 1925 ; Dip. Ed., 1925.
Howarth, Fred, B.A., 1905 ; M.A., 1911.
Howarth, Gilbert Bartle, B.Sc. Hons. Gas Engrg. I., 1920 ; M.Sc., 1921.
Howarth, John Edward, Dip. Dyeing, 1920 ; B.Sc. Hons. Col. Chem. II., 1921 ; M.Sc., 1922.
Howdill, Norman, B.Sc., 1923 ; Dip. Ed., 1924.
Howe, Grace Alice, B.A., 1908.
Hoy, Joseph Denzil, B.Sc., 1922.
Hoyle, Dorothy Mary, B.Sc., 1924 ; Dip. Ed., 1925.
Hoyle, Edmund Jessop, Dip. Dyeing, 1921 ; B.Sc. Hons. Col. Chem. II., 1922 ; M.Sc., 1923.
Hoyle, Edward, B.Sc. Hons. Chem. II., 1925 ; M.Sc., 1927.
Hoyle, Harold, B.A. Hons. Eng. II., 1912.

Huddleston, Edith May, B.A., 1917.
Huddleston, Mabel, B.A., 1915.
Huddleston, William Thomas, B.Sc. Hons. Chem. II., 1922; M.Sc., 1922.
Hudlikar, Madhav, M.Sc., 1919.
Hudson, Harry, B.A., 1910.
Hudson, John, B.A. Hons. Hist. II., 1913.
Hudson, Margaret Ellen (Mrs. Parnaby), B.A., 1905.
Hudson, Penrhyn Stanley, B.Sc. Hons. Bot. I., 1926.
Hudson, Stanley Nicholl, B.Sc. Hons. Geol. I., 1929.
Hudson, Thomas Ernest, B.Sc., 1927; Dip. Ed., 1928.
Huffington, Thomas, B.A. Hons. Eng. II., 1912; M.A., 1913.
Huggins, Emma, B.A., 1917.
Huggins, John, B.A., 1913.
Hugh-Jones, Mrs. (see Norminton, May).
Hughes, Arthur George, M.Ed., 1922.
Hughes, Frederick Lancelot Aylmer, M.B. Ch.B Hons. II., 1927.
Hughes, William James, B.A., 1919
Huke, Harry, B.A., 1920.
Hull, Marjorie, B.Sc., 1922.
Humberstone, Sarah Gertrude, Dip. Geog., 1923; M.A., 1925.
Hummel, Alfred Roland Ure, B.Sc., 1905.
Hummel, Ernest Lonsdale, B.Sc., 1907.
Hummel, John James, M.Sc., 1905; M.B., Ch.B., 1906.
Hunt, Francis William, B.Sc., 1905.
Hunt, Marjorie, B.Sc. Hons. Bot. II., 1929.
Hunter, Helen, B.A. Hons. Mod. Langs. II., 1917; M.A., 1927.
Hunter, Herbert, B.Sc., 1905; M.Sc., 1924; D.Sc., 1925.
Hunter, Nelson Ackroyd, B.A., 1913.
Hunter, Vera Muriel. B.Sc. Hons. Bot. II., 1921; M.Sc., 1921.
Hunter, Vivian, B.Com., 1922.
Hunter, William, B.Sc., 1923.
Hurst, Dorothy Ayton, B.A. Hons. Hist. III., 1922.
Hurst, Frank, B.Sc. Hons. Chem. III., 1909; M.Sc., 1910.
Hurst, George Frederick, M.B., Ch.B., 1917.
Hurst, Harold Robert, B.Sc., 1918.
Hurst, Mrs. (see West, Hilda).
Hurst, Thomas Ockerby. B.A., 1905.
Hurtley, William Holdsworth, B.Sc., 1905.
Hurwitz, Elias, LL.B. Hons. II., 1926.
Hurworth, Ada Muriel, B.A. Hons. Geog. II., 1925; Dip. Ed., 1926.
Hurworth, Arthur, B.A., 1914; M.A., 1916; M.Ed., 1923.
Hussein, Abdel Latif, B.Com. Hons. III., 1926.
Hustler, George Herbert, M.B., Ch.B., 1905; M.D., 1922.
Hustler, Joe, B.Sc., 1929.
Hutchinson, Albert, B.A., 1914.
Hutchinson, Charles Rowland, B.Sc. Hons. Engrg. II., 1922.
Hutchinson, Edward Stanley, B.Sc. Hons. Physics III., 1928; Dip. Ed., 1929.

Hutchinson, Florrie, B.Sc., 1905.
Hutchinson, George Edward, LL.B. Hons. III., 1923; LL.M., 1925.
Hutchinson, John Yates, B.Sc., 1922.
Hutchinson, Lilian, B.A. Hons. Eng. II., 1926; Dip. Ed., 1927.
Hutchinson, Miles, M.B., Ch.B., 1924.
Hutchinson, Miriam (Mrs. Langley), M.B., Ch.B., 1910.
Hutchinson, Norman Eric William, Dip. Dyeing, 1926; B.Sc. Hons. Col. Chem. I,, 1927.
Hutton, Charles Mundell, B.Sc., 1922.
Hutton, Charles William, B.A. Hons. Hist. III., 1914; M.A. 1917; M.Ed., 1924.
Hutton, Mrs. (see Westerman, Mabel).
Hutton, Stanley Rodgers, B.Sc., 1926; Dip. Ed., 1927.
Hutton, Wilfred, B.Sc., 1905.
Hyams, Henry, LL.B., 1927.
Hyde, Francis Austin, B.A., 1910; M.A., 1914.
Hyde, Percy William, Dip. Mech. Engrg, 1927; B.Sc., 1928.
Hyman, Joe, B.Sc. Hons. Maths. II., 1926.
Hynes, Wilfred, M.B., Ch.B. Hons. II., 1927.

Illett, Mrs. J. J. (see Mellors, Clarissa Florence Horsley).
Illingworth, Eugenie Clare, B.Sc., 1926.
Illingworth, Mabel Winifred, B.A., 1917.
Illingworth, Maria Emma (*Mrs. Schofield*), B.A. Hons. Mod. Langs. II., 1906; Dip. Ed., 1907; M.A., 1907.
Illingworth, Ronald, B.Sc., 1929.
Illingworth, William Norman, B.A. Hons. Hist. II., 1922; M.A., 1923; Dip. Ed., 1924.
Ineson, Donald Gordon, LL.B., 1911; LL.D., 1924.
Ing, Minnie, B.A. Hons. French II., 1928; Dip. Ed., 1929.
Ing, William, B.A. Hons. Mod. Langs. I., 1921; Dip. Ed., 1922.
Ingall, John Heaps, B.Sc. Hons. Engrg. III., 1924; M.Sc., 1925.
Ingham, George Henry, B.Sc. Hons. Chem. III., 1924; M.Sc., 1925; Dip. Ed., 1925.
Ingham, Harold Norman, M.B., Ch.B., 1910.
Ingham, William Leslie, M.B., Ch.B., 1916.
Ingle, Harry, D.Sc., 1905.
Ingle, Herbert, B.Sc., 1905.
Ingle, James William, B.A., 1914; M.A., 1920.
Ingram, Leslie Pool, B.Sc. Hons. Gas Engrg. II., 1921 M.Sc., 1922.
Iredale, George Vernon Bradshaw, M.B., Ch.B., 1925.
Iredale, John Leonard Graham, M.B., Ch.B., 1925.
Irish, Edward, B.Sc. Hons. Chem. II., 1913; Hons. Leather II., 1914.
Irvine, Annie McLean (Mrs. Flowers), B.A., 1921.
Irvine, Jessie, B.A. Hons. Hist. II., 1919.
Ismail, Mohammed, B.Sc., 1910; Dip. Leather, 1910.
Ives, Frank, B.A. Hons. Eng. I., 1916; M.A., 1920.

Jackman, Elizabeth, B.A., 1906.
Jackson, Alice Muriel, B.A. Hons. Eng. II., 1928; Dip. Ed., 1929.
Jackson, Arthur, B.Sc., 1905.
Jackson, Arthur, B.Sc. Hons. Chem. I., 1927; Ph.D., 1929.
Jackson, Colin Gyrth, B.Sc. Hons. Chem. II., 1907; M.Sc., 1908.
Jackson, Cyril, B.A. Hons. Eng. II., 1929.
Jackson, Douglas Price, B.Sc., 1922; Dip. Ed., 1923.
Jackson, Ellen Gertrude, B.A. Hons. Eng. II., 1923; Dip Ed., 1924.
Jackson, Harry Percival, M.Sc., 1905.
Jackson, Herbert Guy, B.Sc. Hons. Engrg. II., 1914.
Jackson, Horace, B.A. Hons. Eng. II., 1929.
Jackson, John Howard, B.Sc. Hons. Engrg. I., 1926.
Jackson, Kathleen Mary, B.Sc., 1920; M.Sc., 1921.
Jackson, Lily, B.A. Hons. Geog. III., 1924; Dip. Ed., 1925.
Jackson, Mabel, B.A., 1906.
Jackson, Marjorie Morison (Mrs. Wilson), M.B., Ch.B., 1923.
Jackson, Mark, B.Sc. Hons. Maths. III., 1926; Dip. Ed., 1927.
Jackson, Mildred Blanche, B.A. Hons. Eng. II., 1929.
Jackson, Percy Gladstone, B.Sc., 1911.
Jagger, John, B.Sc. Hons. Engrg. I., 1922.
Jagger, Mary Elizabeth Marguerita Anne, B.Sc., 1913; M.Sc., 1915.
James, Robert, B.Sc., 1923.
James, William John, B.A. Hons. Hist. II., 1924.
Jameson, Frances Noel, B.Sc. Hons. Maths. III., 1927.
Jameson, Margaret Ethel (Mrs. Chapman), B.A. Hons. Eng. I., 1912; M.A., 1914.
Jamieson, Gertrude Agnes, B.A., 1925; Dip. Ed., 1926.
Jarvis, Violet Helena, B.Sc., 1921; Dip. Ed., 1923.
Jarvis, Winifred, B.Sc. Hons. Maths. III., 1929.
Jay, Alfred, B.Sc., 1923.
Jay, Eric George, B.A. Hons. Classics I., 1929.
Jefferson, Harold Fearnside, B.Sc., 1922.
Jeffery, Muriel Reece, B.A. Hons. Eng. (*Aegrotat*), 1928; Dip. Ed., 1929.
Jenkins, Dorothy, B.A. Hons. Eng. III., 1924.
Jenkins, Elsie Mary, B.A. Hons. Mod. Langs. II., 1912; Dip. Ed., 1913; M.A., 1928.
Jenkins, Gilbert Ramsden, B.Sc. Hons. Physics II., 1908; M.Sc., 1909.
Jenkinson, George James, B.Sc., 1926.
Jenkinson, John Richard, B.Sc. Hons. Chem. III., 1925; M.Sc., 1926; Dip. Ed., 1927.
Jenkinson, Louie, B.A., 1921.
Jennings, Charles Donald, B.Sc. Hons. Fuel and Met. II., 1924; M.Sc., 1924; Dip. Ed., 1928.
Jennings, Elsie Emmie, B.A. Hons. Hist. II., 1915; M.A., 1920.
Jennings, Evelyn, B.A. Hons. Mod. Langs. II., 1921.

Jennings, Ivy Evelyn, B.A. Hons. Mod. Langs. II., 1921 ; Dip. Ed., 1922.
Jennings, James Sowden, B.Sc., 1923.
Jessop, Joe Arthur, B.Sc. Hons. Chem. I., 1928.
Jessop, Tom Edmund, B.A. Hons. Philos. II., 1921 ; M.A., 1922.
Johnson, Charles Lester, B.Sc. Hons. Chem. I., 1910.
Johnson, Dorothy, B.A., 1911.
Johnson, Edward Harrison, B.Sc., 1928.
Johnson, Emily Eleanor, M.B., Ch.B., 1926.
Johnson, Ernest Norman, Dip. Dyeing, 1924 ; B.Sc. Hons. Col. Chem. III., 1924 ; M.Sc., 1925.
Johnson, Florence Annie, M.A., 1910.
Johnson, George Mathew, B.Sc. Hons. Col. Chem. III., 1925 M.Sc., 1926.
Johnson, John Lawrence, B.A. Hons. French II., 1929.
Johnson, John William Haigh, B.Sc., 1905 ; M.Sc., 1915.
Johnson, Kenneth Corbridge, B.Sc. Hons. Elec. Engrg. II., 1925.
Johnson, Kenneth Reginald, B.A., 1927.
Johnson, Leonard Richard, B.Sc. Hons. Agric. Zool. I., 1926.
Johnson, Mary Florence, B.A., 1925 ; Dip. Ed., 1926.
Johnson, Myra Stevenson, B.A. Hons. Eng. II., 1929.
Johnson, William, B.Sc. Hons. Col. Chem. I., 1912 ; Dip. Dyeing, 1912 ; M.Sc., 1913.
Jole, Nora Bancroft, B.A., 1914 ; Dip. Ed., 1915.
Jones, Annie Frances Saville (Mrs. Bell), B.A. Hons. Mod. Langs. II., 1919.
Jones, Arthur Innes, B.Sc. Hons. Elec. Engrg. II., 1929.
Jones, Arthur Owen, B.A. Hons. Classics II., 1914.
Jones, Clifford Ernest, M.A., 1924 ; M.Ed., 1926.
Jones, Clifford Merton, B.Sc. Hons. Chem. II., 1924 ; M.Sc., 1925 ; Dip. Ed., 1925.
Jones, Doris Elissa, B.Sc., 1921.
Jones, Eric George, B.A., 1918 ; M.A., 1925.
Jones, Geraint Vaughan, B.A. Hons. Eng. II., 1925 ; M.A., 1927.
Jones, Harry, B.Sc. Hons. Physics I., 1926 ; Ph.D., 1928.
Jones, John Richard Caton, B.A., 1929.
Jones, Keith Miller, LL.B. Hons. II., 1924.
Jones, Lewis, B.A. Hons. Hist. I., 1924 ; Dip. Ed., 1928.
Jones, Marjorie Elizabeth, B.A., 1917.
Jones, Mrs. (see Legge, Marian).
Jones, Mrs. (see Whiteley, Ada).
Jones, Reginald Hugh, B.Sc. Hons. Elec. Engrg. I., 1921 ; M.Sc., 1922.
Jones, Winifred Mary, B.Sc., 1929.
Jones, Zillah Verbena, B.Sc., 1919.
Jordan, Albert, B.Sc. Hons. Geol. I., 1906 ; M.Sc., 1907.
Jordan, Amy Lilian, B.A. Hons. Eng. II., 1928.
Jordan, George Douglas, B.A. Hons. Philos. II., 1914.
Jordan, George Jefferis, B.A. Hons. Hist. III., 1912 ; Litt.D. 1924.

Jordinson, Frank, B.Sc. Hons. Col. Chem. II., 1920; M.Sc., 1921.
Jowett, Albert, M.Sc., 1905; D.Sc., 1913.
Jowett, Fred Haigh, Dip. Dyeing, 1925; B.Sc. Hons. Col. Chem. II., 1926.
Jowett, Jessie, B.A., 1905; M.A., 1907.
Jowett, Ronald Edward, M.B., Ch.B. Hons. II., 1922; M.D., 1923.
Jowett, William Percival, B.A. Hons. Eng. II., 1927; Dip. Ed., 1928.
Jubb, Dorothy (Mrs. G. H. Sellers), B.A., 1921.
Jubb, Edith, B.A. Hons. Eng. II., 1928; Dip. Ed., 1929.
Judd, Harold Arthur, B.Sc., 1912.
Judson, John Albert Victor, B.Sc., 1921.

Kahn, Jack Harold, M.B., Ch.B. Hons. II., 1928.
Kaminski, Rebecca, B.Sc., 1912.
Kandil, Mahmoud Hammonda, B.Sc. Hons. Maths. III., 1927.
Karvé, Bhaskar Dhondo, Dip. Ed., 1928; M.Ed., 1929.
Katz, Alec, M.B., Ch.B., 1926.
Kay, Douglas John, B.Sc., 1905.
Kay, Marjorie Davenport (Mrs. Rowntree), B.A., 1923.
Kay, William Arthur, LL.B., 1920.
Kaye, Edward Percy, B.Sc., 1905.
Kaye, Ruth Armitage, B.A. Hons. Mod. Langs. II., 1918; Dip. Ed., 1919; M.A., 1923.
Kaye, Marion, B.A. Hons. Hist. II., 1927; Dip. Ed., 1928.
Kearney, Evangeline Dorothea, B.A., 1929.
Keggins, Frank, B.Com. 1929.
Keidan, Lily Jane, B.A. 1927; M.A., 1928.
Keighley, Arthur Lumby, B.Sc., 1927.
Keightley, Clifford, B.Sc. Hons. Physics I., 1924; M.Sc., 1925; Dip. Ed., 1925.
Kelk, William Hyde Hastings, B.Sc., 1927.
Kellett, Alfred Featherstone, M.B., Ch.B., 1905.
Kellett, Stanley, B.Sc., 1928; Hons. Gas Engrg I., 1929.
Kemp, Harry Cecil, B.A., 1927.
Kemp, Wesley Ewart, B.Sc. Hons. Physics III., 1926; Dip. Ed., 1927.
Kench, Henry, B.Sc., 1910; M.Sc., 1912.
Kendall, Frank Edward, M.B., Ch.B., 1906.
Kendall, Geoffrey Paul, B.Sc., 1921.
Kendall, Kathleen Marguerite, B.A., 1925.
Kendall, Percy Fry, M.Sc., 1905 (*under Ordinance XIII.*).
Kendall, Percy Fry (junr.), B.Sc., 1911.
Kendell, Robert Owen, B.Sc. Hons. Geol. II., 1928; Dip. Ed., 1929.
Kenna, Victor Ernest Glencoe, B.A., 1924.
Kenny, Thomas Edwin, B.Sc. Hons. Maths. II., 1924; Dip. Ed., 1925; M.Sc., 1926.
Kenworthy, Leslie Allan, LL.B., 1929.

Kenworthy, Vernon, B.Sc., 1923.
Kerry, Herbert, B.A., 1916.
Kershaw, Maud Harriet, B.A., 1914.
Keswick, John Barton Thompson, M.B., Ch.B., 1911.
Kettlewell, Eric Roberts, B.Sc. Hons. Elec. Engrg. II., 1929.
Kettlewell, Ethel, B.Sc., 1915.
Key, Arthur, B.Sc. Hons. Chem. I., 1926; Ph.D., 1928.
Key, Roy Patterson, B.Sc., 1923.
Keyworth, Charles Maurice, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. II., 1922; M.Sc., 1923.
Khalid, Radwan Ahmed, B.Sc. Hons. Maths. III., 1928.
Khan, Azazuddin, M.Ed., 1927.
Khanna, Mela Ram, B.Sc., 1928.
Kholy, Mohammed Taher, B.Com., 1920.
Kidd, John Thomas, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. III., 1922; M.Sc., 1923.
Kidd, Pearl, B.A., 1919.
Kiernan, Reginald, B.A. Hons. Hist. II., 1921.
Kilbride, Katherine Mary, B.A. Hons. Eng. II., 1925.
Kilburn, Arnold, LL.B., 1928.
Killick, Esther Margaret, B.Sc. Hons. Physiol. I., 1923; M.B., Ch.B. (distinction in Medicine), 1929.
Kimber, Ethel May, B.A. Hons. Hist. III., 1927; Dip. Ed., 1928.
Kinder, Arthur, B.Sc., 1927.
King, Charles Arthur, B.Sc. Hons. Chem. II., 1906; M.Sc., 1907.
King, Frank, M.B., Ch.B., 1914.
King, Herbert, M.Sc., 1905.
King, Ivy Honor, B.A., 1920.
King, Marjorie, B.A. Hons. Eng. III., 1928; Dip. Ed., 1929.
King, Mrs. Redman (see Peniston, Annie).
King, Sylvia Maud, B.A. Hons. French I., 1929.
King, Violet Maud Redman, M.B., Ch.B., 1922.
King, William Douglas Anderson, M.B., Ch.B., 1913.
King, William Henry, M.A., 1927.
King, William Norman, B.Sc. Hons. Geol. III., 1910; M.Sc., 1911.
Kipping, Rupert Harry, M.B., Ch.B., 1927.
Kirby, Frederick Oscar, M.Sc., 1905.
Kirk, Frank Carlill, B.Sc. Hons. Maths. III., 1924; M.Sc., 1925; Dip. Ed., 1925.
Kirk, George William Lister, M.B., Ch.B., Hons. II., 1912.
Kirk, Kathleen Hylda, B.A. Hons. Mod. Langs. I. 1910; M.A., 1912.
Kirk, Leonard Bertram, B.A., 1912.
Kirk, Reginald Neville, M.B., Ch.B., 1921
Kirkbride, Agnes Bessie, B.A., 1925; Dip. Ed., 1926.
Kirkbride, Harold, B.Sc. Hons. Chem. III., 1922.
Kirkby, Ethel, B.A. Hons. Eng. II., 1923; Dip. Ed., 1924.
Kirkwood, Winifred (Mrs. Halliday), B.A. Hons. Mod. Langs. II., 1915; Dip. Ed., 1916.

Kirtland, Dorothy Mary, B.A. Hons. Mod. Langs. II., 1911; Dip. Ed., 1912; Dip. Ger., 1912.
Kitchen, Ernest David, B.Sc., 1921.
Kitchener, Ernest Edward, B.A., 1905; M.A., 1907.
Kitson, Ethel, B.A., 1916; M.A., 1918.
Kitson, Fanny Edith, B.A., 1913; Dip. Ed., 1916.
Kitson, Frederick Hubert, M.B., Ch.B., 1913.
Kitson, Margarita, M.B., Ch.B., 1922.
Kitson, Mary Ellen, B.A., 1912.
Kline, Manasseh, B.Sc. Hons. Maths. III., 1928; Dip. Ed., 1929.
Knaggs, Doris, B.Sc., 1920.
Knapp, Lilian Annie Mary, B.A. Hons. Hist. II., 1920; Dip. Ed., 1921.
Knight, Edward Percival, B.A., 1920.
Knight, Sydney Frederick Harrold, B.A. Hons. Hist. III., 1929.
Kniveton, Marjorie Ann, B.A., 1919.
Knowles, Cyril Reginald, M.B., Ch.B., 1916.
Knowles, Doris Annie Williamson, B.A. Hons. Eng. II., 1919.
Knowles, Dorothy, B.A., Hons. Mod. Langs. II., 1928; Dip. Ed., 1929.
Knowles, Ernest, B.A. Hons. Mod. Langs. II., 1922; Dip. Ed., 1923.
Knowles, Geoffrey, LL.B., 1910.
Knowles, George William, B.Sc., 1905.
Knowles, Henry Rylands, M.B., Ch.B., 1914.
Knowles, Isobel Searle, B.A. Hons. Mod. Langs. II., 1925.
Knowles, Marion, M.B., Ch.B., 1921.
Knowles, Marjorie Elaine, (Mrs. A. M. Claye), M.B., Ch.B. Hons. I., 1924.
Knowles, Philip Edwin, B.Sc., 1922.
Knowles, Roland Ernest, B.A. Hons. Hist. III., 1921.
Knowlson, Stanley, B.A. Hons. French II., 1928.
Korn, Abram Marcus, M.B., Ch.B., 1927.
Kovolman, Isadore, M.B., Ch.B., 1926.
Kubalek, Otto, B.Sc. Hons. Engrg. I., 1921; M.Sc., 1926.
Kremer, Aubrey, LL.B. Hons. III., 1927.
Kuoni, Eileen Alice (Mrs. E. Healey), B.Sc., 1921.

Laboulle, Gaston Felix Lambert, Dip. Dyeing, 1920; B.Sc. Hons. Col. Chem. II., 1921; M.Sc., 1922.
Lacy, Arthur, B.Sc., 1907.
Ladell, Arthur Randolph, B.A. Hons. Hist. III., 1914; M.A., 1922.
Ladell, Robert George Macdonald, M.B., Ch.B., 1905.
Lader, Abram, B.Sc. Hons. Col. Chem. III., 1926.
Laird, Marjorie Jean (Mrs. Exley), B.A. Hons. Mod. Langs. III., 1910; M.A., 1912.
Lakeman, Robert Meredew, B.Sc., 1914.
Lamb, Jack, B.Sc. Hons. Maths. II., 1925; M.Sc., 1926; Dip. Ed., 1927.

Lamb, Phyllis Gertrude, B.A., 1918.
Lambert, Alfred, B.Sc., 1927.
Lambert, Charles Henry, B.A., 1916.
Lambert, John B.Sc. Hons. Chem. II., 1925; M.Sc., 1926; Dip. Ed., 1926.
Lambert, Mrs. (see Birch, Dorothy Ellen).
Lambert, Nellie, B.A., 1918; M.A., 1919.
Lamont, James Cecil, M.B., Ch.B., 1925.
Lancaster, Amy, B.Sc., 1927; Dip. Ed., 1928.
Lancaster, Evelyn, B.A. Hons. Mod. Langs. II., 1925; Dip. Ed., 1926.
Landman, Mrs. (see Umanski, Augusta).
Landman, Samuel, M.A., 1907.
Lane, Francis John, B.Sc. Hons. Elec. Engrg. II., 1924; M.Sc., 1925.
Lane, John Maurice, Dip. Dyeing, 1929; B.Sc. Hons. Col. Chem. II., 1929.
Lang, Dorothy Margaret, B.A., 1919.
Langley, Doris May, M.B., Ch.B., 1922; D.P.H., 1924.
Langley, Mrs. (see Hutchinson, Miriam).
Langman, Dora, B.A. Hons. Mod. Langs. II., 1929.
Langman, Edith Mary, B.Sc., 1925.
Langstaff, Bilton, B.Sc., 1905; B.A., 1907.
Lanham, George Gilbert, B.Sc., 1921.
Lapidus, Hyman Emanuel, M.B., Ch.B., 1922.
Lasker, Mrs. (see Ward, Margaret Naomi).
La Touche, John James Digges, M.B., Ch.B., 1914.
Law, Marion Rosalind, B.Sc., 1907.
Lawrence, Elsie Irene, B.A., 1918.
Lawrence, Eva Alice, B.A., 1922.
Lawrence, Harry Taylor, B.A. Hons. French II., 1927; Dip. Ed., 1928.
Lawson, Cecil Vaughan, B.A., 1920.
Lawson, Edward Ingleson, B.Sc., 1924.
Lawson, Frederick, B.Sc., 1926.
Lawson, Leah Gardner, Dip. Ed., 1910; M.A., 1917.
Lawson, Tom, B.A. Hons. Mod. Langs. III., 1913.
Lawson, Wilfrid Ernest Little, Dip. Dyeing, 1923; B.Sc. Hons. Col. Chem. II., 1924; M.Sc., 1925; M.B., Ch.B., 1928.
Lawson, William Arthur Donald, M.B., Ch.B., 1921; D.P.H., 1928.
Lawton, James Arthur, B.Sc. Hons. Physics II., 1926; Dip. Ed., 1927.
Lawton, John Harrop, LL.B., 1927.
Laycock, Edith, B.Sc., 1916.
Laycock, Leslie Ernest, B.Com., 1924.
Leach, Nora, B.A. Hons. Hist. II., 1921; Dip. Ed., 1922.
Leaf, Elfrida, B.A. Hons. Hist. II., 1928; Dip. Ed., 1929.
Leaf, Marjorie, B.A. Hons. Hist. II., 1928; Dip. Ed., 1929.
Leak, Dorothy Mary, B.A., 1924.

Leake, Charles Edward, M.B., Ch.B. Hons. II., 1915.
Leake, Dora Margaret, B.A., 1922; Dip. Ed., 1923.
Leake, Dorothy, B.Sc., 1921.
Leake, Mrs. W. H. (see Thistlethwaite, Hilda).
Leake, William Harold, M.B., Ch.B. Hons. II., 1921.
Leather, Marjorie, B.A., Hons. Eng. II., 1926; Dip. Ed., 1927.
Leben, Jacob, B.Sc. Hons. Col. Chem. II., 1924; M.Sc., 1925.
Ledgard, Herbert Arthur, M.B., Ch.B., 1926.
Lee, Beatrice, B.Sc. Hons. Bot. I., 1922; M.Sc., 1923.
Lee, Catherine, B.A., 1909.
Lee, Edmund, LL.B., 1905.
Lee, Elsie, B.Sc., 1910.
Lee, Evelyn Alice, B.A. Hons. Eng. II., 1927; Dip. Ed., 1928.
Lee, Fang Tsung, B.Sc., 1915; M.Sc., 1917.
Lee, George William, B.A., 1907.
Lee, George William, B.Sc. Hons. Chem. III., 1926; M.Sc., 1927; Dip. Gas Engrg., 1927.
Lee, Harry, B.A., 1911; M.A., 1912.
Lee, John Rial, B.Sc. Hons. Agric. Econ. II., 1926.
Lee, Margaret Ann, B.A. Hons. Hist. II., 1920.
Lee, Reginald Walter, M.B., Ch.B., 1921.
Lee, Richard Henry, B.A. Hons. Eng. II., 1927.
Lee, Samuel Melville, B.A., 1922.
Lee, William, M.B., Ch.B., 1927.
Leech, Dorothy Edith, B.A. Hons. Hist. III., 1914.
Leeming, Harold Gordon, B.Sc., 1921.
Leetham, Beatrice Mary, B.Sc., 1926; Dip. Ed., 1927.
Legg, Mabel Elizabeth, B.A. Hons. Eng. II., 1925; Dip. Ed., 1926.
Legge, James Huntley, M.B., Ch.B., 1905.
Legge, Marian (Mrs. Jones), B.A. Hons. Eng. II., 1916.
Leheta, Mohamed Fahmy, Ph.D., 1926.
Leslie, May Sybil (Mrs. Burr), B.Sc. Hons. Chem. I., 1908; M.Sc., 1909; D.Sc., 1918.
Levenberg, Cecil, B.Sc. Hons. Leather II., 1928.
Lever, John Morrison, M.B., Ch.B., 1917.
Lever, Leslie Maurice, LL.B. Hons. III., 1925.
Levi, Saul, B.A. Hons. French III., 1925; Dip. Ed., 1926.
Levin, Solomon, LL.B., 1927.
Levisohn, James Frederic, B.Sc., 1921.
Leviten, Sam, M.B., Ch.B., 1925.
Levy, Simon, B.Sc. Hons. Physiol. I., 1919; M.Sc., 1920; M.B., Ch.B., 1922.
Levy, Sissie Emma, B.A. Hons. Mod. Langs. III., 1913; Dip. Ed., 1914; Dip. Ger., 1914.
Lewis, Amy Irene, B.A. Hons. Hist. III., 1919.
Lewis, Estella Matilda, B.A. Hons. Hist. I., 1929.
Lewis, George Edward Andrew, M.B., Ch.B., 1925.
Libbish, Barnet, B.A. Hons. Mod. Langs. II., 1912.
Lidbetter, James Staples, B.A., 1906.

Liddle, Laura Lavinia, B.A. Hons. Hist. II.. 1923.
Lieberman, Reca Rebecca, B.Sc., 1927.
Lieberman, Reuben, LL.B., 1915.
Lightfoot. Edith Margaret, B.A., 1917.
Lightowler, Mary, M.B., Ch.B., 1927.
Lilliott, Richard Arthur, B.Sc., 1926.
Limbert, George William, B.A., 1921.
Lindley, Francis Joshua, B.A. Hons. Philos. II., 1928.
Lineham, Alice Kathleen, B.A. Hons. Eng. II., 1925.
Lineham, Wilifrd, B.A. Hons. Hist. II., 1924; Dip. Ed., 1925; M.A., 1927.
Linfoot, Ernest, M.B., Ch.B., 1923.
Linforth, Edith Mary Elizabeth (Mrs. Rowe), B.A., 1906.
Lingwood, Vera, B.Sc. Hons. Chem. III., 1925; M.Sc., 1926; Dip. Ed., 1926.
Linley, Constance Irene, B.A. Hons. Geog. II., 1926; Dip. Ed., 1927.
Linsley, George Arnold, LL.B., 1926.
Lipman, Reuben, B.Sc. Hons. Physiol. II., 1921; M.Sc., 1922; M.B., Ch.B., 1925.
Lishman, Arthur Vincent, B.Sc., 1911.
Lister, Dorothy Daisy, B.A., 1915.
Lister, Martha, B.A., 1905.
Lister, Mary Florence Grace (Mrs. Appleton), B.Sc., 1906; M.Sc., 1907.
Lister, Samuel, M.Sc., 1923.
Lister, Thomas Edmund, M.B., Ch.B., 1905.
Little, Cuthbert Joseph Harwood, M.B., Ch.B., 1911.
Little, Ronald Bell, B.Sc., 1927.
Littlewood, Harry, M.Sc., 1905.
Liversedge, William Ewart, LL.B., 1922.
Livesey, Charles Edwin Leonard, B.Sc., 1905.
Llewellyn, Thomas Frederick Penderell, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. III., 1922.
Lloyd, Llewellyn, M.Sc., 1916; D.Sc., 1920.
Lobban, George Mackenzie Davidson, M.B., Ch.B., 1925.
Lock, John, B.A., 1908.
Lockwood, Herbert Sinclair, M.B., Ch.B., 1915.
Lodge, Edmund Harvey, M.B., Ch.B., 1924.
Lodge, Ernest Fisher, B.Sc. Hons. Physics III., 1928.
Lodge, Fred Armitage, Dip. Dyeing, 1925; B.Sc. Hons. Col. Chem. III, 1925; M.Sc., 1926.
Lodge, Harry Livingstone, B.Sc., 1905.
Lodge, Phyllis Mary, B.A. Hons. Hist. III., 1927; Dip. Ed., 1928.
Lodge, Raymond Hutton, M.B., Ch.B., 1923.
Lodge, William Oliver, M.B., Ch.B. Hons. II., 1916; M.D., 1920.
Lomax, Robert, B.Sc. Hons. Physics II., 1928.
Lonen, William Hubert, M.B., Ch.B., 1914.
Long, James Bernard, B.A. Hons. Eng. II., 1929.
Long, Rizpah, B.A., 1922.

Longbottom, Nellie, B.A. Hons. Mod. Langs. I., 1909.
Longmaid, Arnold, B.Sc. Hons. Physics III., 1924; M.Sc., 1925.
Longstaff, Annie, B.A., 1913.
Longstaff, Stella Marguerite, B.A., 1911.
Lonsdale, Hettie, B.A. Hons. Mod. Langs. I., 1920; M.A., 1922.
Lord, Annie Vickers, B.Sc., 1929.
Lord, Dorothy Marshall, B.A. Hons. Mod. Langs. III., 1927.
Lord, Geoffrey, B.Sc., 1929.
Lord, Sam Leslie, M.B., Ch.B., 1926.
Lord, William Ernest, B.Sc. Hons. Physiol. I., 1905.
Lord, William John, B.Sc., 1923; Dip. Ed., 1924.
Loseby, Henry Victor, B.A. Hons. Classics II., 1922; M.A., 1929.
Loseby, Mrs. (see Hemsworth, Laura Alice).
Love, Thomas, B.Sc., 1922.
Lowe, George Harold, M.B., Ch.B., 1926.
Lowe, Mary Evelyn, B.A., 1928.
Lowery, Harry, M.Ed., 1927.
Lowrey, Louise Margaret Matilda, B.A. Hons. Eng. III., 1921; Dip. Ed., 1922.
Lowson, William, B.Sc., 1905.
Loxley, Margaret Isabel, B.A. Hons. Mod. Langs. III., 1916.
Loyd, Jessie, B.Sc., 1907.
Loyd, Thomas Robinson, B.Sc., 1925; B.Sc. Hons. Chem. II., 1926; M.Sc., 1926; Dip. Ed., 1927.
Lu, Yin Sheng, B.Sc., 1926.
Lucas, Florence, B.A. Hons. Eng. III., 1924.
Luccock, Florence, B.A. Hons. Mod. Langs. II., 1920.
Luccock, Hilda, B.A. Hons. Eng. II., 1922; Dip. Ed., 1923.
Lück, Hugo, B.A., 1928.
Luery, Alfred Edward, M.Ed., 1921.
Lumb, Sybil Victoria, B.A. Hons. Hist. I., 1918; M.A., 1920.
Lumby, Mary, B.A. Hons. Hist. II., 1919; M.A., 1921.
Lumley, Nellie, B.Sc. Hons. Zool. II., 1928; Dip. Ed., 1929.
Lumley, William Eric, B.Sc. Hons. Chem. III., 1927.
Lund, Annie Eleanor, B.A., 1914.
Lunn, Reginald William, B.Sc. Hons. Chem. III., 1914; M.Sc., 1915.
Lupton, Henry Preston, B.Sc., 1920.
Lupton, Joseph Harold, B.A. Hons. Hist. II., 1922.
Lupton, Margaret Ella, B.A. Hons. Hist. II., 1913; Dip. Soc. Org. (*with distinction*), 1920.
Luscott, Edgar, B.A., 1921.
Lyall, Effie, B.Sc., 1921.
Lyon, Mary Enid, B.A., 1926; Dip. Ed., 1927.
Lyles, Albert, B.Com. Hons. II., 1923; Dip. Ed., 1925.

MacAllister, Basil Robert, B.A., 1925.
McCahearty, Reginald George Henry, B.A. Hons. Hist. II., 1924; M.A., 1927.
McCandlish, Arthur Gordon, LL.B., 1926.

McCandlish, Douglas, B.Sc. Hons. Chem. III., 1905; M.Sc., 1915.
Maccoby, Sarah Judith, B.A., 1905.
McConnell, John William, LL.B., 1906.
McCrae, Mrs. (see Bruce, Mary Walbrand).
McCulloch, Frederick James, B.A. Hons. Philos. I., 1923.
McDowell, Constance Mary, B.Sc. Hons. Chem I., 1928.
McFarlane, Archibald, B.Sc. Hons. Chem. III., 1916; M.Sc., 1917.
McGeorge, Alexander, B.Sc. Hons. Physics I., 1914.
McGill, Ernest Arthur, B.Sc. Hons. Engrg. I., 1907; M.Sc., 1908.
McKane, William Oliphant, M.B., Ch.B., 1906.
McKay, Annie Armstrong, B.A., 1912.
McKeand, Maggie Woodrow, M.A., 1906.
McKechnie, Frances, M.A., 1928.
McKee, Dermot Oswald, LL.B., 1925.
McKee, John Charles, B.Sc. Hons. Col. Chem. II., 1923; M.Sc., 1924.
McKee, Sarah Mary, B.Sc., 1912.
Mackenzie, Alexander, M.B., Ch.B., 1905.
Mackenzie, Jessie Scott, B.A. Hons. Eng. II., 1927; Dip.Ed., 1928.
Mackereth, Dorothy Mary, B.A. Hons. Eng. (*Aegrot*), 1925.
Mackrell, Florence May, B.A., 1920.
McLean, Albert Victor, M.B., Ch.B., 1925.
McLeannan, Florence Lilian, B.A. Hons. Eng. II., 1919; Dip. Ed., 1920.
Macmaster, Alexander, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. I. ,1923; M.Sc., 1924.
Macmaster, Malcolm Morrison, B.Sc., 1926.
McMillan, Bessie, B.A., 1926; Dip. Ed., 1927.
McMillan, David, B.Sc., 1923.
McMillan, Mary McWhirter (Mrs. Wilson), B.Sc., 1912.
McMillan, Jessie Jane, B.A., 1929.
McMillan, Robert, B.Sc., 1925.
McNeice, Elsie Elizabeth (Mrs. T. H. Elmer), M.B., Ch.B., 1921.
Macvean, Herbert James, M.B., Ch.B., 1905.
Macvie, George Ernest, M.B., Ch.B., 1911; M.D., 1914.
Maddison, Wilfred Guy, B.Sc., 1907.
Maddock, William, B.A., 1911; M.A., 1912.
Maden, James, B.Sc. Hons. Geol. I., 1920; M.Sc., 1920.
Mafeng, Chi Tung, B.Sc., 1926.
Maffin, Harry, M.B., Ch.B., 1905.
Magson, Leonard William, B.Sc. Hons. Physics II., 1929.
Mahon, Arthur John Rushton, B.Sc. Hons. Engrg. II., 1924; M.Sc., 1929.
Maine, Mrs. (see Murphy, Bertha Mary).
Major-Stevenson, Irene Carlotta, B.A. Hons. Eng. I., 1911; M.A., 1925.
Makinson, Nora Isabel, B.Sc., 1911.

Malila, Kimsua, B.Sc. Hons. Mech. Engrg. III., 1927.
Malins, Marjorie Edith, B.Sc. Hons. Bot. II., 1929.
Mallett, Joyce Florence, B.A., 1929.
Mallin, Hubert Patrick, B.A., 1913.
Mallinson, Dorothy, B.A. Hons. Classics II., 1908; M.A., 1909; Dip. Ed., 1909.
Mallinson, Eric, B.Sc., 1913.
Mallinson, Henry, B.Sc., 1923.
Malone, Marguerite, B.A. Hons. Eng. III., 1927; Dip. Ed., 1928.
Manasseh, Antonius Joseph, B.Sc., 1905.
Mandour, Abbas Moussa Moussa, B.Sc. Hons. Chem. II., 1929.
Manknell, Arthur, M.B., Ch.B., 1905.
Mann, Ada, B.Sc., 1928.
Mann, Clarissa, B.Sc., 1910.
Mann, Enid, B.A. Hons. Hist. II., 1916.
Mann, Ernest Edwin, M.Sc., 1919.
Mann, Harold Hart, D.Sc., 1905.
Mann, Hubert Leslie, B.A. Hons. German II., 1929.
Mann, James William, B.Sc., 1908.
Manners, George, B.Sc. Hons. Chem. II., 1923; M.Sc., 1924; Dip. Ed., 1925.
Mao, Shen Shan, B.Sc., 1915.
Marchant, Frederick Percy, B.A. Hons. Hist. II., 1928.
Margetts, Percy Alexander, B.Sc., 1909.
Marinkovitch, Radoye, M.B., Ch.B., 1923.
Markham, Bernard, B.A. Hons. Hist. II., 1928.
Marriner, William Wright, B.Sc., 1905.
Marriott, Edward, B.A. Hons. Philos. II., 1913.
Marriott, Robert Henry, B.Sc. Hons. Leather II., 1921; M.Sc., 1922.
Marsden, Doris (Mrs. Fielding), B.A., 1918.
Marsden, Ernest Vane, B.Sc., 1905.
Marsden, Frances Elizabeth, B.A. Hons. Eng. II., 1922; Dip. Ed., 1923.
Marsden, Frank, B.Sc. Hons. Geol. II., 1916; M.Sc., 1920.
Marsden, Hermon, B.Sc. Hons. Col. Chem. II., 1924; M.Sc., 1925.
Marsden, Hilda (Mrs. Spencer), B.A. Hons. Eng. I., 1917.
Marsden, Isabel Florence, B.A. Hons. Mod. Langs. I., 1924; Dip. Ed., 1925; M.A., 1927.
Marsden, James Hellewell, Dip. Dyeing, 1929; B.Sc. Hons. Col. Chem. III., 1929.
Marsh, Frank Salton, B.Sc., 1909; M.Sc., 1913.
Marsh, William Alfred, B.Sc. Hons. Chem. II., 1914.
Marshall, Clarence Bolus, B.Sc. Hons. Col. Chem. II., 1922; M.Sc., 1924; Dip. Ed., 1924.
Marshall, Francis, B.Sc. Hons. Maths. I., 1909; M.Sc., 1909.
Marshall, Herbert, B.A., 1913.
Marshall, Herbert, B.Sc., 1905.
Marshall, Joseph, B.Sc., 1905; M.Sc., 1912; D.Sc., 1918.

Marshall, Philip Guy, Dip. Dyeing, 1923; B.Sc. Hons. Col. Chem. I., 1923; M.Sc., 1924.
Marson, Cecil Brittain, B.Sc. Hons. Fuel and Met. I., 1924; M.Sc., 1925; Ph.D., 1926.
Marston, Mary Ethel, B.Sc., 1925; Dip. Ed., 1926.
Martin, Alice Walford, B.A., 1906; M.A., 1911.
Martin, Herbert, B.A., 1923; Dip. Ed., 1924.
Martin, Ismae Knox, B.A., 1911.
Martin, Laurence Jewitt, B.Sc. Hons. Physics III., 1924; M.Sc., 1925.
Martin, Reginald Henry, B.Sc., 1921.
Martin, Thomas Haigh, B.A., 1909.
Maslen, Ida Kathleen, B.A. Hons. Eng. III., 1928.
Mason, Geoffrey Richard, B.Sc. Hons. Maths. I., 1927.
Mason, George Samuel, B.Sc., 1910.
Mason, John Edward, M.Ed., 1928.
Masser, Alfred Abram, M.B., Ch.B., 1923.
Masser, Matthew, M.B., Ch.B. Hons. II., 1925.
Massey, Arthur, M.B., Ch.B. Hons. II., 1920; D.P.H., 1921; M.D., 1924.
Masterman, Dorothy, B.A., 1914; M.A., 1915.
Mather, May Gwendoline, B.A. Hons. Eng. II., 1927; Dip. Ed., 1928.
Mathers, Arthur Leslie, B.A. Hons. Hist. II., 1922; Dip. Ed., 1923.
Mathers, John Stanley, B.A., 1920; M.A., 1921.
Mathers, Ronald Cyril, B.Sc., 1914.
Matthewman, Hannah, B.A.Hons. Hist. II., 1926; Dip. Ed. 1927.
Matthews, Basil Wilfred Barrow, B.A., 1909.
Matthews, Crawford Tait, M.B., Ch.B., 1905.
Matthews, Felix Hackett, B.A. Hons. Classics II., 1906; M.A., 1908.
Maud, Annie, B.A., 1917.
Maud, Ida Marian, B.A., 1906; M.A., 1910; Dip. Ed., 1910.
Maude, Arthur Percy Lees, LL.B., 1908.
Maude, Edgar Ringrose, B.A., 1915.
Maude, Jessie, B.Sc. Hons. Bot. I., 1922; M.Sc., 1922.
Mawson, Bertha, B.A., 1911.
Mawson, Constance, B.A. Hons. Hist. II., 1913; Dip. Ed., 1914; M.A., 1918.
Mawson, John Halliwell, B.Sc. Hons. Engrg. I., 1909.
Meadows, Gladys Muriel Joan, B.A., 1920.
Meadows, Sydney Robert, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. II., 1923; M.Sc., 1924.
Mee, Arnold Francis, B.A. Hons. Philos. II., 1925.
Mee, Winifred Ellen, B.A. Hons. Mod. Langs. III., 1915 Dip. Ed., 1917.
Megalli, Yusef, B.A. Hons. Geog. III., 1923.
Mellis, George Pickard, M.B., Ch.B. Hons. I., 1912.

Mellis, Victoria Rudolph, B.A., 1919.
Mellor, Albert, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. I., 1923; M.Sc., 1924.
Mellor, Doris, B.A., 1918.
Mellor, Fred, B.Sc. Hons. Physics I., 1905; M.Sc., 1912.
Mellors, Clarissa Florence Horsley (Mrs. Ilett). B.A. Hons. Eng. II., 1910.
Melville, Ellen Louisa, M.A., 1906.
Mendelssohn, Ben, B.A. Hons. Hist. III., 1925; Dip. Ed., 1926.
Mennell, Dorothy Marjorie (Mrs. Morris), B.A. Hons. Russ. I., 1926; M.A., 1927.
Menon, Kasava, M.B., Ch.B., 1913.
Mercer, Kathleen, B.A. Hons. Mod. Langs. II., 1923; Dip. Ed. 1924.
Meredith, George Patrick, B.Sc. Hons. Physics II., 1924; M.Sc., 1925; Dip. Ed., 1925; M.Ed., 1926.
Merrington, Harold Douglas, M.B., Ch.B., 1920.
Metcalf, Thomas John, B.Sc., 1925; B.Sc. Hons. Chem. III., 1926; M.Sc., 1926.
Metcalfe, Frederick, B.Sc., 1929.
Metcalfe, John Clifford, M.B., Ch.B. Hons. I., 1912.
Meyer, Ellen Grace (Mrs. Hardwick), B.Sc., 1917.
Middlebrook, John Bailey, B.A., 1920.
Midgley, Arnold Spencer, B.A. Hons. Classics II., 1921.
Midgley, Edith Alice, B.Sc. Hons. Maths. III., 1924; M.Sc. 1925; Dip. Ed., 1925.
Midgley, Edward, B.Sc. Hons. Elec. Engrg. I., 1921.
Midgley, Frederick William, B.A. Hons. Hist. II., 1921.
Midgley, Harry, B.Sc. Hons. Elec. Engrg. II., 1913; M.Sc., 1919.
Midgley, James, B.Sc. Hons. Chem. III., 1914; M.Sc., 1914.
Midgley, Michael Mortimer, B.Sc., 1911.
Milburn, John Robert, B.Sc., 1924; Dip. Ed., 1925.
Mildren, Minnie, B.A., 1922.
Miller, Florence Clark, B.A. Hons. Hist. III., 1911; Dip. Ed., 1912.
Miller, George Miller, B.A. Hons. Eng. II., 1922.
Miller, Harry, B.Sc. Hons. Chem. III., 1926, M.Sc., 1927; Dip. Ed., 1927.
Miller, Henry Claude, B.A., 1910.
Miller, Mary, B.A. Hons. Eng. II., 1928.
Miller, Mrs. (see Caruth, Eleanor Margaret Annie).
Miller, Solomon, B.A., 1911.
Miller, William Bertram, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. I., 1923; M.Sc., 1924.
Milligan, William, M.B., Ch.B., 1927.
Mills, Frank, B.Sc., 1926; Hons. Chem. II., 1927; Dip. Ed., 1928.
Mills, Stella Marie, B.A. Hons. Eng. II., 1924; Dip. Ed., 1925.
Millson, Victor, B.Sc. Hons. Physics II., 1926.
Millward, Francis Eric Eland, B.A. Hons. Hist. II., 1922; Dip. Ed., 1924.

Milne, Dora Winifred, B.A., 1923; Dip. Ed., 1924.
Milne, Geoffrey, B.Sc. Hons. Chem. I., 1921; M.Sc., 1924.
Milne, John Victor Stewart, B.Sc. Hons. Col. Chem. II., 1924; M.Sc., 1925.
Milner, Alan, M.B., Ch.B., 1928.
Milner, David William, B.Sc., 1913.
Milner, Dorothea, B.Sc., 1927; Dip. Ed., 1928.
Milner, Eric Henry, M.B., Ch.B., 1925.
Milner, Geoffrey, B.Sc., 1929.
Milner, James, LL.B., 1911.
Milnes, Thomas Wray, B.Sc., 1918.
Milton, Harry, B.A. Hons. Mod. Langs. I., 1923; Dip. Ed., 1924.
Mitchell, Arthur Leslie, M.B., Ch.B., 1926.
Mitchell, Edith Alice Ann, B.A., 1915; M.A., 1916.
Mitchell, Florence Mary, B.A. Hons. Hist. II., 1917.
Mitchell, Gladys Mary, B.A., 1916.
Mitchell, Guy Annesley Carter, M.B., Ch.B. Hons. I., 1908.
Mitchell, John Arnold, B.Sc., 1909; M.Sc., 1910.
Mitchell, Margaret, B.A., 1906.
Mitchell, Martin West, B.Com., 1923.
Mitchell, Myra, B.A., 1905.
Mitton, Norman Vernon, M.B., Ch.B., 1912.
Moffatt, Henry Robert, B.Sc. Hons. Engrg. I., 1919; M.Sc., 1922.
Moffitt, William George, B.Sc. Hons. Chem. I., 1928.
Mohamed, Ahmed Helmy, B.Sc. Hons. Maths. III., 1927.
Mohyeddin, Khadim, M.Ed., 1927.
Moll, Henry, M.B., Ch.B., 1925.
Molland, Theodora Mary, B.A., 1906; M.A. 1907.
Monahan, Alexander James, M.A., 1909.
Monahan, Mrs. A. J. (see Scholes, Katherine Louise).
Monies, Thomas Harold, M.B., Ch.B., 1926.
Monkhouse, Allan Cuthbertson, B.Sc., 1917; Ph.D., 1921.
Montrose, Percy Paish, B.Sc., 1925.
Moody, Sydney, B.A. Hons. Hist. II., 1911.
Moore, Charles Herbert, B.A., 1919; M.A., 1920.
Moore, Ethel, B.A. Hons. Hist. II., 1918.
Moore, George Frederick, B.Sc. Hons. Elec. Engrg. III., 1927.
Moore, Henry Ian, B.Sc. Hons. Agric. II., 1929.
Moore, Lawrence, B.Sc., 1919; M.Sc., 1920.
Moore, Marjorie, B.Sc. Hons. Chem. III., 1922; M.Sc., 1922.
Moore, Mrs. (see Allen, Lilian).
Moore, Ruth, B.A., 1917.
Moorhouse, Charles Herbert, M.B., Ch.B., 1905.
Moorhouse, Herbert, B.A., 1913.
Moorhouse, James Lingford, M.B., Ch.B. Hons. II., 1925.
Morgan, Owen, LL.B., 1913.
Morgan, Richard Felix, LL.B., 1910.
Morgan, Samuel, B.Sc., 1929.
Morland, Leonard Mark, B.A., 1915.
Morley, Arthur Harold, M.B., Ch.B., 1925.

Morrell, Frank, B.A. Hons. Hist. II., 1909.
Morris, Charles William, B.A. Hons. Eng. I., 1925; Dip. Ed., 1926.
Morris, Florence Annie, B.Sc., 1905.
Morris, Mrs. (see Mennell, Dorothy Marjorie).
Morrison, James Alexander Shepherd, B.Sc. Hons. Chem. III., 1905; M.Sc., 1907; Dip. Leather, 1907.
Morton, Armitage, M.B., Ch.B., 1905.
Morton, Dora, B.Sc., 1905.
Morton, Gordon, B.Sc., 1910.
Morton, Jennie, B.A. Hons. Hist. II., 1928; Dip. Ed., 1929.
Mosby, Denis Houghton, B.Sc., 1925; M.Sc., 1926.
Moses, Abram, B.Sc. Hons. Chem. III., 1915.
Mosey, James Harold, B.A. Hons. Eng. III., 1925.
Moss, Charles Edward, B.Sc., 1905.
Moss, Frederick William, B.A. Hons. French I., 1923; M.A., 1924; Dip. Ed., 1925.
Moss, Helenor, B.A. Hons. Eng. I., 1917; Dip. Ed., 1918.
Mostyn, Joseph, B.Sc., 1921.
Mothersdill, Doris May, B.A., 1918.
Motley, Parker, M.Sc., 1905.
Mott, Reginald Arthur, B.Sc. Hons. Gas Engrg. I., 1922; M.Sc., 1922.
Moulden, John William, B.A. Hons. Eng. II., 1907; M.A., 1908.
Moulden, Mary, B.Sc., 1915.
Moulds, Winfield, B.Sc., 1928.
Mounsey, Mrs. (see Dymond, Muriel Grace).
Mountain, Eliza, B.A., 1905.
Mountain, Frank, B.Sc., 1909; M.Sc., 1910.
Mountain, John Quinney, B.S.c Hons. Physiol. II., 1929.
Mountain, John William, B.Sc., 1914.
Mountford, Christopher Archibald, B.Sc. Hons. Chem. I., 1916; M.Sc., 1917.
Moussa, Farag Mikhail, Ph.D., 1923.
Muhiyuddin, Mohamed Sultan, Dip. Ed., 1921; M.Ed., 1922.
Mukerjee, Kshitis Chandra, B.Sc., 1912.
Mukharji, Bhabanath, Dip. Ed., 1921; M.A., 1923.
Mulcahy, Julia, B.Sc., 1908.
Mulholland, Marie, B.A. Hons. French III., 1923; Dip. Ed., 1924.
Mullaney, Mary Christine, B.A. Hons. Hist. II., 1926.
Mullinder, Hilda, B.A. Hons. Hist. III., 1927; Dip. Ed. 1928; M.A., 1929.
Munday, Madeline Constance, B.A. Hons. Mod. Langs. II., 1917.
Munn, Eric George, B.A., 1927.
Murgatroyd, Constance Marie, B.A. Hons. Mod. Langs. II., 1927; Dip. Ed., 1928.
Murgatroyd, Doreen, B.Sc., 1927.
Murphy, Bertha Mary (Mrs. Maine), B.A. Hons. Mod. Langs. I., 1908; M.A., 1910.
Murphy, Grace Louisa, B.A., 1909.

Murphy, Harold Newton, B.Sc., 1905.
Murphy, Philip Patrick, B.Com. Hons. II., 1922.
Murphy, William, M.B., Ch.B., 1924.
Murray, Tom Stanley, B.Sc., 1929.
Muschamp, Alexander James Ives, M.B., Ch.B., 1920.
Muschamp, Kate Sara Evelyn, B.A. Hons. Eng. II., 1922; Dip. Ed., 1924.
Musgrave, Elsie Selina, B.Sc. Hons. Chem. III., 1922; M.Sc., 1922.
Musgrave, Evelyn, B.Sc., 1914; Dip. Ed., 1916.
Musgrave, Sarah Maude Elizabeth, B.Sc., 1919.
Musson, John Percy, M.B., Ch.B., Hons. II., 1910.
Myers, Amy, B.A., 1914.
Myers, Charlie, B.A., 1924.
Myers, Cyril, B.Sc. Hons. Chem. II., 1928; Dip. Ed., 1929.
Myers, Gabriel, B.A. Hons. Hist. (*Aegrot.*), 1924; Dip. Ed., 1928.
Myers, Marion, B.A., 1913.
Myers, Mary Alice, B.Sc., 1906; Dip. Ed., 1907.

Nagley, Samuel, M.B., Ch.B., 1924.
Narcross, John Watts, B.Sc., 1921.
Narey, Mary Ellen, B.A., 1924.
Naylor, Alice Maud, B.A., 1908.
Naylor, Charley, B.A., 1915; M.A., 1920.
Naylor, Frank Hyde, B.Sc., 1920.
Naylor, Nellie Noble, B.A., 1905; M.A., 1907.
Naylor, William Haydn, B.Sc. Hons. Chem. I., 1923; M.Sc., 1924; Dip. Ed., 1924.
Neale, Charles Sidney, B.A., 1913.
Nesbit, John Christopher, B.A. Hons. Eng. II., 1915.
Netherwood, Reginald, B.Sc., 1925.
Neumann, Reginald, B.Sc., 1923.
Neville, Ethel May, B.A., 1905; M.A., 1907.
New, Archibald Alan, Dip. Dyeing, 1923; B.Sc. Hons. Col. Chem. III., 1923; M.Sc., 1924.
New, Mrs. A. A. (see Noxon, Marion).
Newby, Harry Lester, B.Sc. Hons. Bot. II., 1929.
Newell, Grace Beatrice Clara, B.A. Hons. Hist. II., 1928; Dip. Ed., 1929.
Newman, John Stokes, B.A. Hons. Classics II., 1928.
Newman, Nathan, M.B., Ch.B., 1926.
Newman, William Henry, B.A. Hons. Hist. I. 1923.
Newstead, Fannie, B.A. Hons. Eng. III., 1917.
Nicholls, Charles Eric Dewstoe, B.Sc., 1926.
Nicholls, Edward Sidney Cromwell, B.Sc., 1927.
Nicholls, Percy, B.Sc., 1905; M.Sc., 1921.
Nichols, Hubert Edward, B.Sc., 1928.
Nicholson, Ethel, B.A., 1906.
Nicol, George Colin Henderson, M.B., Ch.B., 1908; M.D., 1922.
Nixon, Dora, B.A., 1913.

Nixon, Frederick Alexander, B.A., 1925; Dip. Ed., 1926.
Nixon, Leonard Ewart, B.Com., 1922.
Nixon, Marie Isobel, B.Sc., 1920; Dip. Ed., 1921.
Noble, Bessie, B.A. Hons. French II., 1929.
Noble, Edgar Irvine, Dip. Dyeing, 1925; B.Sc. Hons. Col. Chem. II., 1925; M.Sc., 1926.
Norman, Leonora Marguerite, B.A. Hons. Hist. III., 1920; M.A., 1924.
Norman, Mrs. (see Beckwith, Kathleen Mary).
Normanton, Emma, B.A. Hons. Classics III., 1921; Dip. Ed., 1922.
Normington, May (Mrs. Hugh-Jones), B.Sc., 1908; Dip. Ed., 1909.
Normington, Nellie, B.A. Hons. Eng. I., 1915.
Norminton, Harold, M.Sc., 1905.
Norris, Harold Alexander, B.A. Hons. Hist. II., 1928.
North, Edith Emily, B.Sc., 1919; M.Sc., 1921.
North, Fanny Caroline, B.A., 1905; M.A., 1907; Dip. Ed., 1908.
North, Hilda Loughton, B.Sc. Hons. Bot. II., 1925; M.Sc., 1926; Dip. Ed., 1926.
North, Muriel, B.Sc., 1920.
North, Neville Marriott, B.Sc., 1911.
Northgrave, Mabel Anne (Mrs. Tibble), B.A. Hons. Eng. II., 1923; Dip. Ed., 1924.
Norton, James Alfred, B.A. Hons. Eng. II., 1927; Dip. Ed., 1928.
Novakovitch, Dooshan, B.Sc. Hons. Engrg. I., 1921.
Novis, Rupert Stanley, B.Sc., 1905.
Nowell, Elma Virtue, B.A. Hons. Hist. II., 1921; Dip. Ed., 1922.
Nowell, Florence, B.A. Hons. Mod. Langs. II., 1929.
Noxon, Marion (Mrs. A. A. New), B.A. Hons. Hist. II., 1918; Dip. Ed., 1919.
Nunn, Iris Marjorie, B.A. Hons. Hist. II., 1929.
Nunneley, Francis William, M.B., Ch.B., 1911.
Nurullah, Syed, Dip. Ed., 1925; M.Ed., 1927.
Nutt, Richard Evan, LL.B. Hons. I., 1923.
Nuttall, Marguerite Mary Teresa, B.A., 1914.
Nuttall, Thomas Henry, B.Sc. Hons. Engrg. I., 1914.
Nutter, Hannah Jane, B.A., 1920; M.A., 1921.

Oates, Thomas, B.Sc., 1916; M.Sc., 1918
Oberman, Percy Michael, M.B., Ch.B., 1922.
Oddie, John Ripley, M.B., Ch.B., 1922.
Oddy, Alice Freda, B.Sc. Hons. Bot. II., 1923; M.Sc., 1924; Dip. Ed., 1924.
Oddy, Annie Maude, B.Sc., 1905.
Oddy, Clarice May, B.A. Hons. Eng. I., 1922; Dip. Ed., 1923.
Oddy, Eleanor Denison, B.A., 1920.
O'Donnell, John Patrick, M.B., Ch.B., 1928.
O'Donnell, James Hugh, M.B., Ch.B. Hons. II., 1925.
Offen, Mrs. (see Goldstone, Cecilia).

Ogden, Annie, B.A. Hons. Eng. II., 1925; Dip. Ed., 1926.
Ogden, Herbert, B.Sc. Hons. Physics I., 1912.
Ogden, Mary, B.A., 1916.
Ogden, Winifred Mary, B.A., 1920.
Ogg, Elsie Annie, B.A. Hons. Eng. II., 1925; Dip. Ed., 1926.
Oliver, Leslie, B.Sc. Hons. Physics III., 1926; Dip. Ed., 1927.
Ollerenshaw, Joseph Guy, M.B., Ch.B., 1927.
Olpin, Henry Charles, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. II., 1923; M.Sc., 1924.
Olsen, Ralph, B.A., 1921.
Olszewska, Elizabeth Stefanyja, B.A. Hons. Eng. I., 1926.
Olszewska, Mary Cecilia, B.A. Hons. Hist. II., 1923; Dip. Ed., 1924.
Olver, Edith Vyvyan, M.B., Ch.B., 1925.
Olver, Robert Hartley, M.B., Ch.B., 1927.
Omar, Abdel Mageed, B.Sc. Hons. Engrg. I., 1909; M.Sc., 1910.
O'Neil, John Robert, M.B., Ch.B., 1928.
O'Neill, Wilfred Stephen, B.A. Hons. Hist. III., 1910; M.A., 1923.
Opie, Eleanor Mary, B.A. Hons. Eng. II., 1922; Dip. Ed., 1923.
Ormiston, Mary, B.A. Hons. Geog. III., 1927; Dip. Ed., 1928.
Orton, Herbert Woodford, B.A., 1920.
Orton, Mrs. (*see Hoyley, Marian*).
Osborn, Doreen Mary, B.A. Hons. Mod. Langs. II., 1924; Dip. Ed., 1925.
Osborne, Mrs. (see Goodson, Ethel Elizabeth).
Ostrehan, Arthur Clement Henry, B.A., 1910.
Ould, Ernest, LL.B. Hons. I., 1922.
Outhwaite, James Edgar, M.B., Ch.B., 1923.
Outram, Edith May, B.A., 1907.
Outram, Nora Aline Jane, B.Sc., 1906; Dip. Ed., 1907; M.Sc., 1908.
Overend, Edith, B.Sc. Hons. Maths. III., 1929.
Overton, Gladys, B.Sc., 1921.
Owen, Arthur David Kemp, B.Com. Hons. II., 1926; M.Com., 1929.
Owen, Florence, B.A., 1905; Dip. Ed., 1906.
Owen, Samuel Joseph, B.Sc. Hons. Engrg III., 1905.
Owen, Trevor Lynn, M.B. Ch.B., Hons. II., 1928.

Pack, Sylvia Chadwick, B.Sc., 1926; Dip. Ed., 1927.
Packwood, Phyllis Lavinia, B.A. Hons. Mod. Langs. II., 1925; Dip. Ed., 1927.
Padgett, Florence Maud, B.A., 1926; Dip. Ed., 1927.
Padgett, Wilfred Wood, B.A., 1913; Dip Fr., 1914; Dip. Ger., 1921; M.A., 1924.
Padman, May, B.A., 1915.
Pain, Arthur Bernard, M.B., Ch.B. Hons. II., 1927.
Palframan, Joseph Burnett, B.Sc., 1925; Dip. Ed., 1926.
Palmer, Olga Oenone, B.A. Hons. Eng. II., 1926; Dip. Ed., 1927.

Palmer, Wilfrid Ernest, B.Sc. Hons. Leather I., 1920; M.Sc., 1921.
Paniker, Manakath Allampatath Ramunni, B.Sc., 1909; Dip. Leather, 1909; M.Sc., 1910.
Panter, Sydney Humphrey, B.Sc., 1923; Dip. Ed., 1924.
Papworth, Harold Charles, B.A. Hons. Philos. II., 1911; M.A., 1913
Parker, Frank, B.A. Hons. Classics II., 1911; M.A., 1912.
Parker, Gladys Murielle, B.A. Hons. Mod. Langs. II, 1920.
Parker, Irvin, B.Sc., 1917.
Parker, Isabel Wilson, B.A. Hons. Eng. III., 1916.
Parker, John Samuel Flower, B.Com., 1927.
Parker, Joseph Henry, M.B. Ch.B. Hons. II., 1917.
Parkin, Ethel Mary, B.A. Hons. Hist. II., 1921; Dip. Ed., 1922.
Parkin, Laura Irene, B.Sc. Hons. Bot. I., 1923; M.Sc., 1924; Dip. Ed., 1924.
Parkin, Thomas Reginald Victor, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. III., 1922; M.Sc., 1923.
Parkinson, Arthur Stanley, M.D., 1905.
Parkinson, Ben, B.Sc., 1913.
Parkinson, Harold, B.A. Hons. Hist. II., 1923; Dip. Ed., 1924; M.A., 1928.
Parkinson, Harold Shaw, B.A., 1913; M.A., 1914.
Parnaby, Harry, M.A., 1913.
Parnaby, Mrs. (see Hudson, Margaret Ellen).
Parr, George Studley Aspinall, M.Sc., 1905 (*under Ordinance XIII.*).
Parratt, Harold Stanley, B.Sc. Hons. Engrg. III., 1923.
Parratt, Leonard Robert, B.Sc. Hons. Maths. III., 1926; Dip. Ed., 1927.
Parry, Clarise Hilda, B.A., 1913.
Parsons, Ernest, B.Sc. Hons. Geol. II., 1909; M.Sc., 1911; D.Sc., 1928.
Parsons, George, B.Sc., 1915.
Partridge, Doris Kathleen, B.A. Hons. Eng. II., 1917.
Partridge, William, B.A., 1918; M.A., 1919.
Paruleker, Remchandra Vithal, M.Ed., 1924.
Pask, John David, Dip. Dyeing, 1929; B.Sc. Hons. Col. Chem. I., 1929.
Paterson, Mrs. (see Brown, Constance Mabel).
Patterson, Marjorie Wilson, B.A., 1919.
Patterson, William Robert, B.Sc., 1925.
Patterson, William Stewart, B.Sc. Hons. Fuel and Met. II., 1922; M.Sc., 1922.
Patton, George Wilson, B.Sc., 1926.
Pauley, Cecilia Gwendoline Dorothy, B.A., 1922; Dip. Ed., 1923.
Pawson, Alfred Clarence, B.Sc., 1921; Dip. Ed., 1922.
Pawson, Leonard Baden, M.B., Ch.B., 1926.
Paxton, Arthur William, B.Sc. Hons. Col. Chem., II. 1923.
Pay, Thomas Wilfrid, B.A. Hons. Hist. III., 1913; M.A., 1917.

Paylor, Wilfrid James, B.A. Hons. Mod. Langs. II., 1929.
Payne, Irene, B.Sc. Hons. Maths. III., 1928; Dip. Ed., 1929.
Peace, Freda Gertrude, B.A. Hons. Eng. I., 1929.
Peacey, Basil William, B.A. Hons. Philos. II., 1911; M.A., 1913.
Peacock, Arthur, B.Sc., 1905.
Peacock, Ethel Mary, B.Sc., 1929.
Peacock, Kathleen Mary, M.B., Ch.B., 1922.
Peacock, Ronald, B.A. Hons. Mod. Langs. I., 1929.
Pearce, Cyril Thomas, B.Sc., 1906.
Pearson, Benjamin Clarence, B.A. Hons. Eng. II., 1926; Dip. Ed., 1927.
Pearson, Catharine Mary Joan, B.A. Hons. Germ. III., 1925.
Pearson, Ernest Reginald, B.Com., 1925.
Pearson, Eunice, B.A., 1908.
Pearson, Henry James, B.A. Hons. Hist. III., 1923.
Pearson, William, B.Sc. Hons. Physics III., 1912; M.Sc., 1914.
Pearson, William Dean, B.Sc., 1926.
Peatfield, Albert Edward, B.Sc., 1913.
Peck, Herbert Gordon Savile, LL.B., 1926.
Peckitt, Elsie Peckitt, B.Sc., 1919.
Peckitt, Francis, B.A. Hons. Geog. II., 1927; Dip. Ed., 1928.
Pedley, Doris, B.Sc., 1920.
Peel, Albert, B.A. Hons. Hist. I., 1909; M.A., 1910; Litt.D., 1915.
Peel, Arthur, B.Sc., 1922.
Peel, Christopher Manners, Dip. Min. Engrg., 1924; B.Sc., 1925.
Peel, Samuel Longley, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. I., 1922.
Peers, Hilda, B.A. Hons. Eng. II., 1929.
Penn, Dorothy Edith, B.Sc., 1920.
Pennell, Marjorie, B.Sc., 1929.
Pennington, Dorothy, B.Sc., 1924; Dip. Ed., 1925.
Pennymore, Lucy Mary, B.A. Hons. French II., 1923; Dip. Ed., 1924.
Peniston, Annie (Mrs. Redman King), B.Sc. Hons. Bot. I., 1913.
Percival, Doris Elizabeth, B.A. Hons. French I., 1927; Dip. Ed., 1928.
Percival, Edward, B.Sc., 1916.
Percival, Henry Sturdy, B.Sc., 1924; Dip. Ed., 1925.
Perfect, Douglas, B.A., 1906; M.A., 1913.
Perk, David, M.B., Ch.B., 1926; D.P.M., 1928.
Perkins, Eric William, B.A. Hons. Hist. III., 1929.
Perkins, Sarah Elizabeth, B.A., 1908.
Perks, Martin Thomas, M.A., 1923.
Perlman, Maurice, M.B., Ch.B., 1925.
Perlman, Max, M.B., Ch.B., 1926.
Perry, Francis Charles, B.A. Hons. Eng. I., 1916; M.A., 1917.
Perry, Martha Alice, B.A., 1921.
Perry, Robert, B.Sc. Hons. Physics II., 1913; M.Sc., 1914.
Petch, Frank, B.Sc. Hons. Geol. I., 1920; M.Sc., 1920.

Petch, Horace Craven, M.B., Ch.B., 1921.
Peters, Herbert Grayshaw, LL.B., 1926.
Peto, Morton, M.B., Ch.B., 1912.
Petty, Hugh Mortimer, M.B., Ch.B., 1923.
Pexton, Edith Mildred, B.A. Hons. Hist. II., 1925; Dip. Ed., 1926; M.A., 1928.
Pexton, Stuart, Dip. Gas Engrg., 1921; B.Sc. Hons. Gas Engrg. I., 1922; Ph.D., 1923.
Phelon, Harry Vernon, M.B., Ch.B. Hons. II., 1920.
Philipson, Thomas, B.Sc. Hons. Maths. II., 1925; M.Sc., 1926.
Phillips, Arthur, Dip. Dyeing, 1927; B.Sc. Hons. Col. Chem. II., 1928; M.Sc., 1929.
Phillips, Dorothy, B.A. Hons. Mod. Langs. II., 1910; Dip. Ed. 1911.
Phillips, Isabel Norah, B.A. Hons. Eng. II., 1927; Dip. Ed., 1928.
Phillips, Jack, M.B., Ch.B. Hons. I., 1927.
Phillips, Jack Herzl, M.B., Ch.B., 1927.
Phillips, Osra Muriel, M.B., Ch.B., 1921.
Phillips, Samuel, B.A. Hons. Eng. I., 1911; M.A., 1912.
Phillipson, Abram, B.Sc. Hons. Maths. II., 1905.
Phillis, Ernest, B.Sc. Hons. Chem. I., 1925; Ph.D., 1928.
Pick, Norris, M.B., Ch.B., 1917.
Pickard, Henry Maurice Hattersley, B.Com., 1924.
Pickard, John Wilfrid, M.B., Ch.B., 1924.
Pickard, Margaret Nina, B.A. Hons. French II., 1928; Dip. Ed., 1929.
Pickard, Miriam, B.Sc., 1912.
Pickering, Harry, B.A. Hons. Eng. II., 1910.
Pickering, Horace Sydney, B.A. Hons. Eng. II., 1922; Dip. Ed., 1923.
Pickering, Jessie, B.A. Hons. Mod. Langs. II., 1914.
Pickett, Bertram Arthur, B.A., 1911.
Pickford, Margaret, B.A., 1919.
Pickles, Allan, B.Sc. Hons. Zool. I., 1927.
Pickles, Catherine, Dip. Ger., 1921; B.A. Hons. Mod. Langs III., 1922; Dip. Ed., 1923.
Pickles, Gladys, B.A. Hons. Hist. II., 1918; M.A., 1923.
Pickles, Ida Lilian, B.A. Hons. Eng. I., 1928.
Pickles, John Jagger, M.B., Ch.B., 1912.
Pickles, Thomas Heaton, B.Sc. Hons. Maths. II., 1923; M.Sc., 1924; Dip. Ed., 1924.
Pickles, William Bradley, B.A. Hons. Hist. I., 1922; M.A., 1923.
Pickles, Willie, B.A. Hons. Mod. Langs. I., 1925, M.A., 1927.
Pickup, Frederick Charles, B.Sc., 1925.
Pidd, Jessie, B.A., 1918.
Pilkington, Reginald, LL.B. Hons. I., 1925; LL.M., 1928.
Pillai, Mudijil Kerula Gorinda, B.Sc., 1915.
Pilling, James Arthur, B.A. Hons. Classics II., 1910.
Pilling, Mehetabel, B.Sc. Hons. Bot. II., 1928; Dip. Ed., 1929.
Pinder, William Leatham, B.Sc., 1922.

Pirie, John Henry, B.A., 1929.
Pitt, George Richard, B.A. Hons. Hist. II., 1929.
Place, William Illingworth, B.Sc., 1916; M.Sc., 1920
Platt, Benjamin Stanley, B.Sc. Hons. Chem. I., 1923; M.Sc., 1924; Ph.D., 1925.
Platt, Margery Isobel, B.Sc. Hons. Zool. I., 1925; M.Sc., 1925; Dip. Ed., 1926.
Platt, Phyllis Mary, M.B., Ch.B., 1921.
Platt, William Geoffrey, M.B., Ch.B., 1925.
Platts, Matthew George, B.Sc., 1908.
Pobjoy, Harold Norman, B.A. Hons. Classics II., 1910; M.A., 1911.
Pocklington, Henry Cabourn, B.Sc., 1905.
Polkinghorne, Christabel Winifred, B.Sc., 1928; Dip. Ed., 1929.
Pollard, Mabel, B.A., 1911.
Poole, Harold Charles, B.Sc., 1919.
Poole, Marjorie May, B.A., 1924; Dip. Ed., 1925.
Poole, Shirley, B.A., 1917.
Popplestone, Walter Harold George B.A., 1920.
Porritt, Florence Mary (Mrs. Bennett), B.A., 1905.
Porter, Eric Craig, Ph.D., 1922.
Porter, Veva, B.Sc. Hons. Chem. II., 1925; M.Sc., 1925.
Porter, Winifred Edith, B.A. Hons. Eng. II., 1924; Dip. Ed., 1925
Porteus, Charles Frederick, B.A., 1922.
Porton, Nettie, B.A. Hons. Classics III., 1925; Dip. Ed., 1926.
Potter, Edith Mildred, B.Sc., 1921.
Potter, Emmie Rosamond, B.A., 1922.
Potter, Hilda, B.A., 1911.
Potter, Kathleen Mary, M.B., Ch.B., 1924.
Potter, Louisa, B.Sc. Hons. Maths. III., 1923; M.Sc., 1924; Dip. Ed., 1924.
Potts, Isabel Woodhill, B.A. Hons. Eng. II., 1929.
Pound, Thomas Illingworth, B.Sc. Hons. Leather II., 1926.
Pounder, Benjamin William, B.A., 1911.
Powell, Joseph Arthur, B.Sc., 1915.
Powell, Mary Cutliffe, B.A. Hons. Hist. III., 1924; Dip. Ed., 1925.
Powis, Frank, B.Sc. Hons. Chem. I., 1910; M.Sc., 1911.
Poynton, Lucy Ellen, B.A., 1907.
Pratt, Marjorie, B.Sc., 1924; Dip. Ed., 1925.
Pratt, Richard, B.A. Hons. Hist. II., 1917.
Precious, Julia Hopper, B.A., 1905.
Prest, Wilfred, B.A. Hons. Hist. I., 1928.
Preston, Edith May, B.A. Hons. Hist. II., 1919; Dip. Ed., 1920.
Preston, Harold, B.Sc., 1923.
Preston, John Currie, B.A. Hons. Mod. Langs., III. 1922.
Preston, Reginald Dawson, B.Sc. Hons. Physics I., 1929.
Priestley, Edmund, B.Sc., 1910.
Priestley, Harold Edford, B.A. Hons. Hist. II., 1922; Dip. Ed., 1923; M.A., 1924; M.Ed., 1928.

Priestley, James Joshua, B.Sc., 1927 ; B.Sc. Hons. Gas Engrg. I., 1928.
Priestley, Lawrence Vernon, LL.B. Hons. III., 1929.
Priestley, Roy Marshall, LL.B. Hons. II., 1925.
Priestman, Kenneth Mallorie, B.Sc., 1912.
Priestman, Mrs. (see Wood, Margaret).
Prince, Albert Dobson, B.Sc. Hons. Bot. II., 1928 ; Dip. Ed., 1929.
Prince, Eleanor Edith, B.A. Hons. Mod. Langs. II., 1919.
Prince, Gwendoline Florence, M.B., Ch.B., 1923.
Procter, Henry Richardson, M.Sc., 1905 (*under Ordinance XIII.*).
Procter, Herbert, B.Sc., 1906.
Proctor, John, B.Sc. Hons. Physics I., 1927 ; Dip. Ed., 1928.
Pullan, Francis Norman, B.A., 1914.
Pullan, Henry Walter, B.Sc. Hons. Chem. II., 1925 ; M.Sc., 1925 ; Dip. Gas Engrg., 1926.
Pullan, Mrs. (see Crawford, Margaret).
Pullan, Stanley Wilson, B.A. Hons. Mod. Langs. I., 1929.
Pullan, William Grange, B.Sc. Hons. Civil Engrg. I., 1929.
Purdon, Arthur Oscar, B.Sc., 1913.
Pyecroft, Norman, M.B., Ch.B., Hons. II., 1928.
Pyrah, Leslie Norman, B.Sc. Hons. Physiol. II., 1922 ; M.Sc., 1923 ; M.B., Ch.B., 1924.
Pyrah, Reginald Smith, M.B., Ch.B., 1924.

Quarmby, Frederick, B.Sc. Hons. Physics I., 1914.
Quarterman, John Richard, B.A., 1910.
Quarton, Dorothy, B.A., 1929.
Quayle, Irad Stanley, B.Sc. Hons. Physics I., 1927 ; Dip. Ed., 1928.
Quilter, Ruth Heap, B.A. Hons. Hist. II., 1929.
Quin, William James, B.Sc. Hons. Chem. III., 1924 ; M.Sc., 1925.

Raafat, Ismail, B.Com., 1928.
Rabinovitch, Dora, B.A., 1929.
Rabinovitch, Marie, B.A. Hons. French II., 1927.
Race, Ida Cunningham, B.A., 1911.
Radcliffe, Frances Mary, B.Sc. Hons. Bot. I., 1922 ; M.Sc., 1923.
Radcliffe, Roland Brooke, M.B., Ch.B., 1906.
Radford, Conrad William Rich, B.A., 1912.
Rahman, Badiur, Dip. Ed., 1926 ; M.Ed., 1927.
Rai, Gambaksh Dhamrait, M.B., Ch.B., 1924.
Raine, Alfred Holgate, B.Sc., 1916.
Raines, Robert John Holroyd, M.B., Ch.B., 1928.
Raisman, Abraham, B.A. Hons. Classics I., 1912.
Raisman, John, B.A. Hons. Classics I., 1920 ; LL.B. Hons. II., 1923.
Raisman, Raphael, LL.B., 1927.
Raistrick, Arthur, B.Sc. Hons. Engrg. III., 1922 ; Hons. Geol. I., 1923 ; Ph.D., 1925.

Raistrick, Harold, B.Sc. Hons. Chem. I., 1912; M.Sc., 1913; D.Sc., 1920.
Raistrick, John William, B.Sc., 1907.
Raistrick, Margaret Walker, B.Sc., 1915.
Rajarathnum, Karani Manicka, B.Com., 1923.
Ralph, Harry, B.Sc., 1919.
Ram, Khub, B.Sc. Hons. Physics II., 1915; M.Sc., 1916.
Ramsden, Arthur, B.A. Hons. Mod. Langs. II., 1910; M.A., 1913.
Ramsden, Douglas MacDonald, B.Sc. Hons. Physics II., 1924; M.Sc. 1925; Dip. Ed., 1925.
Ramsden, Elsie, B.Sc. Hons. Chem. I., 1929.
Randall, William, B.Sc. Hons. Elec. Engrg. I., 1914; M.Sc., 1919.
Rankin, Alan, B.A. Hons. Eng. II., 1923; Dip. Ed., 1924.
Rankin, William Munn, B.Sc., 1905; M.Sc., 1911.
Raper, Henry Stanley, M.B., Ch.B. Hons. I., 1910; M.Sc., 1905; D.Sc., 1910.
Raphail, Anis Azir, B.Com. Hons. I., 1923.
Rashidi, Zaki Rafla Girgis, B.A., 1924.
Raven, Hilda Mary (Mrs. P. Davies), B.A., 1905.
Raw, Christine Emily, B.A. Hons. Hist. II., 1923; Dip. Ed., 1924.
Rawling, Arthur, B.Sc. Hons. Elec. Engrg. I., 1912.
Rawling, Francis George, B.Sc., 1910; B.Sc. Hons. Chem. II., 1911; M.Sc., 1911; D.Sc., 1922.
Rawlinson, Alec, B.Sc. Hons. Chem. II., 1925; M.Sc., 1926.
Rayner, Ellen, B.A. Hons. Mod. Langs., III. 1915.
Rayner, George William, B.Sc., 1926.
Rayner, Herbert Emmett, B.Sc., 1905.
Rea, Eileen Lloyd, B.Sc. Hons. Bot. II., 1926; Dip. Ed., 1927.
Rea, Rosamund Mary Lloyd, B.Sc. Hons. Bot. I., 1921; M.Sc., 1921.
Read, Harold George Thomas, B.Sc., 1925.
Readman, Marjorie Mary, M.B., Ch.B., 1927.
Reakes, Gilbert Spofforth, B.A. Hons. Classics II., 1910.
Reddihough, Cyril Spencer, LL.B. Hons. II., 1923.
Redfearn, George Richard, B.Sc., 1912; M.Sc., 1913.
Redfern, Florence Mary, B.A., 1911.
Redington, George, B.Sc. Hons. Bot. I., 1923; M.Sc., 1923.
Redpath, Gilbert, B.Sc., 1925; B.Sc. Hons. Chem. II., 1926; M.Sc., 1926; Dip. Ed., 1927.
Reed, Ernest William, M.B., Ch.B., 1906; M.D., 1918.
Reed, Harry Bright, B.Sc. Hons. Maths. III., 1924; M.Sc., 1925.
Reed, John Arthur. M.B., Ch.B., 1905.
Reed, John Joseph Courtnell, B.Sc. Hons. Physics III., 1925.
Reedman, John Noel, B.Com. Hons. II., 1926; M.Com., 1927.
Reeve, William Henry, B.Sc., 1928; Geol. Hons. II., 1929.
Reeves, Mrs. (see Gale, Florence).
Reichlin, Alec, M.B., Ch.B., 1928.
Rennard, Thomas Ambler, B.A., 1909; M.A., 1914.
Rennie, Lorna Mary, B.A. Hons. Geog. II., 1928; Dip. Ed., 1929

Rennie, William Heron Maxwell, B.A., 1910.
Reynolds, Carrie, B.A. Hons. Mod. Langs. I., 1912; Dip. Ed., 1913.
Rheinalt-Jones, Mrs. (see Barton, Edith Beatrice).
Rhodes, Alfred Irving, B.Sc., 1912.
Rhodes, Arthur Wellesley, B.A., 1911; M.A., 1913.
Rhodes, Bernard, B.Sc. 1928; Physics Hons. II., 1929.
Rhodes, Edgar, B.Sc. Hons. Chem. I., 1922; Ph.D., 1924.
Rhodes, Eric William, B.A. Hons. Mod. Langs. I., 1922; Dip. Ed., 1923.
Rhodes, Evelyn Marion, B.A. Hons. Mod. Langs. II., 1918.
Rhodes, Norman, B.Sc. Hons. Col. Chem. I., 1908; M.Sc., 1912.
Rhodes, Oswald Stanley, Dip. Dyeing, 1920; B.Sc. Hons. Col. Chem. III., 1921; M.Sc., 1922.
Richards, Charles Threlfall, B.A., 1913.
Richardson, Arthur Royal, B.Com., 1922.
Richardson, Charles Richard Sugden, B.Sc. Hons. Engrg. III., 1912.
Richardson, Elsie Mary, B.A. Hons. Hist. II., 1920.
Richardson, Esther Enid, B.Sc., 1922; Dip. Ed., 1923.
Richardson, Herbert, B.Sc. Hons. Maths. II., 1916; M.Sc., 1917.
Richardson, James Reginald, B.Sc., 1919.
Richardson, John Stocks, B.Sc. Hons. Engrg. I., 1906; M.Sc., 1907.
Richardson, Mark Alexander, B.Sc., 1910.
Richardson, Matthew, B.A., 1917.
Richardson, Sidney George, M.Sc., 1927.
Richardson, William Rowson, B.A. Hons. Hist. I., 1913.
Richmond, Hilda, B.Sc. Hons. Bot. II., 1929.
Riddell, David Renton, M.B., Ch.B., 1928.
Rider, Charles Matthew, B.Sc., 1907.
Rider, Martha Hannah, B.A., 1906.
Ridge, William Sheldon, B.A., 1905.
Ridgway, William Brooks, Dip. Dyeing, 1922; B.Sc., 1923.
Riley, Arthur, M.B., Ch.B., 1911.
Riley, Frank, B.Sc. Hons. Chem. I., 1908.
Riley, Marjorie Alice, B.A. Hons. Hist. I., 1929.
Rimmington, Miriam, B.Sc., 1915; Dip. Ed., 1916.
Roach, Arthur William, B.Sc., 1922; Dip. Ed., 1923.
Roberton, Amy, B.Com., 1929.
Roberton, James Samuel Paterson, B.Sc. Hons. Elec. Engrg. I., 1924.
Roberts, Arthur Loten, B.Sc. Hons. Chem. II., 1928.
Roberts, Augustus Alphonso, B.Sc., 1909; M.B., Ch.B., 1919.
Roberts, Gertrude Mary Rayner, B.A. Hons. Hist. II., 1924.
Roberts, John Eric, B.Sc. Hons. Physics I., 1928.
Roberts, Reginald John, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. I., 1922; M.Sc., 1924.
Roberts, Victor Genaro, B.Sc., 1921.
Robertshaw, Doreen Mary, M.B., Ch.B., 1928.

Robertshaw, Osmond, B.A. Hons. Ger. II., 1927; M.A., 1929.
Robertson, Douglas, M.B., Ch.B., 1921.
Robertson, Hector Menteith, B.A. Hons. Econ. I., 1925; M.A., 1926.
Robertson, Margaret Janet, B.A., 1917.
Robinson, Albert Norman, B.Com., 1925; Dip. Ed., 1926.
Robinson, Arthur, M.B., Ch.B., 1927.
Robinson, Cecil, B.A. Hons. Hist. II., 1929.
Robinson, Edith Alice, B.A., 1923.
Robinson, Eric George, B.Sc. Hons. Geol. II., 1929.
Robinson, Ethel Margaret, M.A., 1905.
Robinson, Ethel May (Mrs. S. Wormald), B.A., 1922; Dip. Ed., 1923.
Robinson, Fred, B.Sc. Hons. Chem. I., 1915; M.Sc., 1916.
Robinson, Gwendoline Margaret, B.Sc., 1927; Dip. Ed., 1928.
Robinson, Harold, B.Sc., 1923.
Robinson, Harry Holdsworth, B.A., 1922.
Robinson, Henry Whitteron, M.B., Ch.B., 1914.
Robinson, James Etchells, B.Sc., 1922.
Robinson, Lilian Dorothea, B.A., 1905; Dip. Ed., 1906.
Robinson, Louis, B.A. Hons. Hist. I., 1921; Dip. Ed., 1922; M.A., 1924.
Robinson, Mabel, B.A. Hons. Eng. III., 1929.
Robinson, Milton, B.Sc., 1912.
Robinson, Ralph Lozelu, B.Sc., 1920.
Robinson, William, M.B., Ch.B. Hons. II., 1911; Dip. Psych. Med., 1913; M.D., 1920.
Robson, John, B.Sc. Hons. Geol. I., 1928.
Robson, John Michael, B.Sc. Hons. Physiol. II., 1922; M.B., Ch.B. Hons. II., 1925.
Robson, Lilian, B.A., 1922; M.A., 1929.
Robson, William Newby, LL.B., 1905; LL.D., 1914.
Roche, Hilda, B.A. Hons. French II., 1926; Dip. Ed., 1927.
Rockley, Thomas Alfred, B.A. Hons. Hist. III., 1929.
Rodgers, Arthur, B.A., 1927.
Rodwell, Robert Ascough, B.Sc., 1916; M.Sc., 1917.
Roebuck, Constance Mary, B.A. Hons. Eng. I., 1924; Dip. Ed., 1927.
Roebuck, John Wesley, B.Sc., 1925.
Roff, Evelyn Mary, B.Sc., 1915.
Rogers, Edward, B.Sc., 1925; Dip. Ed., 1926; Dip. Ed. Admin., 1927.
Rogers, Hannah, B.A., 1905.
Rogers, Violetta (Mrs. Grimshaw), B.A., 1905.
Rolfe, Edward, Dip. Dyeing, 1926; B.Sc., 1927.
Rolls, Bruce Renham, B.A. Hons. Hist. II., 1929.
Rolleston, Lancelot Charles, B.A., 1914.
Rooum, John Milner, B.Sc. Hons. Physics III., 1929.
Roper, Rosamond Erica (Mrs. A. F. Chalkley), M.B., Ch.B. Hons. II., 1925.

Roscoe, Jervis, B.Sc., 1924.
Rose, Jack, M.B., Ch.B., 1915.
Rose, Mrs. (see Coope, Hilda).
Rosemont, Gerald, B.Sc. Hons. Physiol. II., 1922; M.B., Ch.B., 1924.
Rosenbaum, Joseph Louis, B.Sc. Hons. Col. Chem. III., 1915; M.Sc., 1919.
Rosenberg, Wolf, B.Sc. Hons. Col. Chem. II., 1926.
Rosenhead, Louis, B.Sc. Hons. Maths. I., 1926; Ph.D., 1928.
Ross, Frances Hilda, B.A. Hons. Hist. II., 1918.
Ross, George Ronald Percival, B.Sc. Hons. Leather II., 1923; M.Sc., 1924.
Ross, Harry, M.B., Ch.B. Hons. II., 1924.
Ross, Leslie, B.A. Hons. Geog. II., 1927; Dip. Ed., 1928.
Ross, Philip, M.B., Ch.B. Hons. II., 1923; M.B., 1926.
Ross, Ralph Norval, B.Ch.D., 1923.
Ross, William Oatey, B.Sc., 1906.
Rosser, John, B.Sc., 1926.
Roth, Alfred Bernard, B.Sc., 1921.
Rothwell, Percy, B.Sc., 1915.
Roughton, Edith Vera, B.A. Hons. French II., 1923; Dip. Ed., 1924.
Roughton, Ethel, Hons. Bot.. I., 1927; Dip. Ed., 1928.
Rouse, Redvers Percival Yates, B.A., 1921.
Rowden, William Henry, M.B., Ch.B., 1917.
Rowe, Frederick Maurice, B.Sc. Hons. Col. Chem. I., 1911 Dip. Dyeing, 1911; M.Sc., 1912; D.Sc., 1921.
Rowe, Mrs. W. T. (see Linforth, Edith Mary Elizabeth).
Rowling, Samuel Thompson, M.D., 1920.
Rowntree, Mrs. (see Kay, Marjorie Davenport).
Rowson, Robert Bryan, B.Sc. Hons. Elec. Engrg. III., 1926.
Rushforth, Alice, B.A., 1929.
Rushforth, Winifred Dransfield, B.A. Hons. Mod. Langs. II., 1924; Dip. Ed., 1925.
Rushton, Florence Mary, B.Sc., 1920.
Rushworth, Hilda, B.A. Hons. Mod. Langs. II., 1920.
Rushworth, Hilda, B.A. Hons. French II., 1929.
Russell, Ada Minnie, B.A. Hons. Eng. II., 1916.
Russell, Ruth Mary, B.A. Hons. Mod. Langs. I., 1920.
Ruston, Arthur Gough, B.Sc., 1919; M.Sc., 1919; D.Sc., 1920.
Ruston, Ernest Thomas, M.B., Ch.B., 1924.
Ryan, Edna, B.Sc. Hons. Bot. II., 1925; M.Sc., 1926; Dip. Ed., 1926.
Rydall, George Herbert, B.Sc., 1906.
Rydall, Mrs. (see Bradley, Florence Margaret).
Ryder, Leslie, Dip. Dyeing, 1923; B.Sc. Hons. Col. Chem. II., 1924; M.Sc., 1925.
Ryder, William Howell, B.Sc. Hons. Chem. III., 1925; M.Sc., 1926; Dip. Ed., 1926.
Rymer, Norman Agar, M.B., Ch.B., 1924.

Saba, El Saad Mohamed, B.Sc., 1914.
Sacks, Reuben, M.B., Ch.B., 1920.
Saffman, Sam Ralph, LL.B. Hons. II., 1926.
Sage, Daisy Mary, B.Sc., 1926; Dip. Ed., 1927.
Saiyidain, Khwaja Ghulam-us, Dip. Ed., 1924; M.Ed., 1925.
Saleh, Abd el Aziz, B.Sc. Hons. Civil Engrg. I., 1928.
Salmon, Dorothy Maude, B.A. Hons. French I., 1924; Dip. Ed., 1925; M.A., 1927.
Salmon, Lorina, B.A. Hons. Hist. II., 1929.
Salmon, Norman, B.A. Hons. Hist. II., 1925; Dip. Ed., 1926.
Salt, Harold, B.Sc. Hons. Leather II., 1920; M.Sc., 1921.
Sampson, Catherine Ruby, B.A. Hons. Hist. II., 1912.
Samuel, Eveline Gertrude, B.A., 1926; Dip. Ed., 1927.
Samuel, May Cissie, LL.B. Hons. II., 1929.
Samuel, Samuel, M.B., Ch.B., 1912; M.D., 1919.
Sanctuary, John Ronald, B.Sc. Hons. Chem. III., 1928; Dip. Ed., 1929.
Sanderson, Charles Eric, B.Sc., 1922; Dip. Gas Engrg., 1925.
Sanderson, John William, B.Sc. Hons. Chem. III., 1924; M.Sc., 1925; Dip. Ed., 1925.
Sanderson, Tom, B.A., 1911.
Sandiford, Emily, B.A. Hons. Mod. Langs. II., 1929.
Sarkar, Mukti Prakas, Dip. Ed., 1926; M. Ed., 1927.
Saunders, Gladys Arnold, B.A., 1925.
Saunders, Joseph, Dip. Dyeing, 1921; B.Sc. Hons. Col. Chem. III., 1922; M.Sc., 1923.
Savage, Hilda, M.A., 1905.
Saville, Clara, B.A. Hons. Eng. II., 1919.
Sawkill, Philip Marston, M.B., Ch.B., 1925.
Sawkins, Violet Vera, B.A., 1919; M.A., 1921.
Sawney, Kathleen Mary, B.Sc., 1924.
Sayce, Roger, B.Sc., 1922.
Sayer, Hilda Marjorie, B.A. Hons. Eng. II., 1927; Dip. Ed., 1928.
Scadding, Norris Aykroyd, M.B., Ch.B., 1924.
Scalbert, Geoffrey, B.A. Hons. Mod. Langs. II., 1927; Dip. Ed., 1928.
Scales, Frances Helen, B.Sc., 1929.
Scanlon, Caroline Teresa, B.Sc., 1919.
Scarborough, Kathleen Maude, B.A. Hons. French II., 1925; Dip. Ed., 1926.
Scarborough, Stella, B.Sc., 1923; Dip. Ed., 1924.
Scatchard, Adela, B.A. Hons. Eng. II., 1925; Dip. Ed., 1926.
Schippers, Frans Arthur, B.Sc., 1922.
Schmitz, Herman Emil, B.Sc., 1906.
Schofield, Beatrice Rachel, B.A. Hons. Mod. Langs. II., 1921; Dip. Ed., 1922.
Schofield, Dorothy Ruby, B.A. Hons. Eng. II., 1922; Dip. Ed., 1923.
Schofield, Florence, B.A. Hons. Hist. II., 1921; Dip. Ed., 1922.
Schofield, Frank, B.A. Hons. Hist. II., 1921.

Schofield, Harold, B.Sc. Hons. Chem. II., 1924; M.Sc., 1925; Dip. Ed., 1925.
Schofield, Mrs. (*see Illingworth, Maria Emma*).
Schofield, Maggie, B.A. Hons. Eng. III., 1929.
Schofield, Maxwell, B.A., 1929.
Scholefield, Fred, B.Sc., 1905.
Scholefield, Benjamin Cyril, B.Sc. Hons. Civil Engrg. II., 1929.
Scholes, Katherine Louise (Mrs. A. J. Monahan), B.A., 1907; M.A., 1908.
Scholes, Thomas Wilfrid, M.A., 1905.
Science, Jack, M.B., Ch.B., 1920; D.P.H., 1923; M.D., 1927.
Sclare, Mabel, B.A. Hons. Econ. II., 1921.
Scott, Elsie, B.Sc., 1925; Dip. Ed., 1926.
Scott, Ethel, B.A. Hons. Hist. II., 1921.
Scott, Harry Thomas, B.Sc., 1926.
Scott, Hubert Edward, LL.B., 1906.
Scott, John Alexander, Dip. Gas Engrg., 1923; B.Sc., 1924.
Scott, John Richard, B.Sc. Hons. Chem. I., 1921; Ph.D., 1923.
Scott, Julia Penketh, B.A., 1912; M.A., 1913.
Scott, Malcolm Stoddart, M.B., Ch.B., 1926.
Scott, Reginald Clifford, B.A. Hons. Eng. II., 1925.
Scouller, Walter Daley, B.Sc., 1905; M.Sc., 1913.
Scowcroft, Elsie, B.A., 1920.
Scowcroft, Wilfrid, B.Sc. Hons. Chem. III., 1926; Dip. Ed., 1927.
Scriven, Charles, LL.B., 1910.
Scruton, Harold Adams, B.Sc., 1905.
Scruton, Harriett Annie, B.A., 1905.
Scruton, Kate Ellen, B.A., 1906.
Scupham, Marjorie, B.A. Hons. Eng. I., 1922; Dip Ed., 1923.
Seanor, Kathleen Mary, B.A., 1916.
Seaton, Douglas, M.B., Ch.B., 1905.
Seddon, Eric, B.Sc. Hons. Physics I., 1928.
Sedgwick, William, B.Sc., 1928; Dip. Ed., 1929.
Seed, George Sutcliffe, M.B., Ch.B., 1927.
Segal, Herzl, LL.B. Hons. II., 1926.
Selim, Ahmed, B.Com. Hons. II., 1925.
Sellers, Geoffrey Hatfield, M.B., Ch.B., 1924.
Sellers, Mrs. G. H. (See Jubb, Dorothy).
Sellick, Thomas Oliver Albert, B.A., 1920.
Semper, Constance Margaret Eleanor, B.A., 1915.
Sen, Jagendranath, B.Sc. Hons. Elec. Engrg II., 1913.
Sen, Jitendra Mohan, M.Ed., 1922.
Sen, Rajendra Nath, Dip. Dyeing, 1909; M.Sc., 1910.
Senior, Alan, B.Sc., 1913.
Senior, Elsie, B.Sc., 1919.
Senior, George, B.Sc., 1911.
Senior, George, B.Sc., 1922.
Senior, Jessie, B.A. Hons. Eng. I., 1924.
Senior, Lewis, B.Sc. Hons. Chem. II., 1923; M.Sc., 1924.
Senior, Lilian, B.A., 1917.

Senior, Stanley Alan, B.Sc. Hons. Maths. II., 1924 ; M.Sc., 1925 ; Dip. Ed., 1926.
Senior, William, B.Sc., 1926.
Seshachalam, Katragadda, M.Sc., 1922.
Seville, Charles Heywood, M.B., Ch.B., 1915.
Seville, Robert Ockleston, B.Sc. Hons. Engrg. II., 1913.
Sewell, Gertrude Alice. B.Sc. Hons. Bot. II., 1927 ; Dip. Ed., 1928.
Sewell, Josephine Mary, B.A., 1920 ; M.A., 1921.
Sewell, William Arthur, B.A. Hons. Eng.I., 1924.
Sewell, William Gawan, B.Sc. Hons. Col. Chem. I., 1920 ; M.Sc., 1921.
Sewell, Mrs. W. G. (see Guy, Hilda).
Seymour-Jones, Arnold, Dip. Leather, 1909 ; B.Sc. Hons. Leather I., 1910 ; M.Sc., 1911
Seymour-Jones, Frank Leslie, B.Sc. Hons. Leather I., 1921 ; M.Sc., 1922.
Shackleton, Arthur Percival, B.A., 1912.
Shackleton, Herbert Park, M.B., Ch.B., 1913.
Shadwick, Cyril, B.Sc., 1923 ; Dip. Ed., 1924.
Shah, Yusuf, Dip. Ed., 1924 ; M.Ed., 1925.
Sharp, Claudius Galen Kay, M.B., Ch.B., 1910 ; M.D., 1925.
Sharp, Mary, B.Sc. Hons. Geol. II., 1924 ; M.Sc., 1925 ; Dip. Ed., 1925.
Sharp, Phyllis, May, B.A., 1917 ; M.A., 1927.
Sharpe, Alice, B.A. Hons. Hist. III., 1920.
Sharpe, Geoffrey Lynton, B.Sc., 1922.
Shaw, Cecil, B.Sc. Hons. Chem. III., 1921 ; M.Sc., 1922 ; Ph.D., 1927.
Shaw, Florence Ruth, B.Sc. Hons. Chem. I., 1926 ; Ph.D., 1928.
Shaw, George, B.A., 1914.
Shaw, George Lawson, B.A., 1910.
Shaw, Harry, M.B., Ch.B., 1920.
Shaw, Harry Balmforth, Dip. Ed., 1923 ; M.Ed., 1924.
Shaw, Marjorie Stott, B.Sc. Hons. Bot. II., 1927 ; Dip. Ed., 1928.
Shaw, William, M.B., Ch.B., 1909.
Sheard, Arthur, M.B., Ch.B. Hons. II., 1920 ; M.D. (*with distinction*), 1923.
Sheard, Dora, B.A., 1905.
Sheard, Emily, B.A., 1928.
Sheard, George Arthur, B.Sc. Hons. Chem. II., 1923 ; Dip. Ed., 1924.
Sheard, Hubert, M.B., Ch.B., 1923 ; M.D., 1925.
Sheard, James Herbert, B.Sc. Hons. Geol. II., 1922 ; M.Sc., 1922.
Sheard, Jessie, M.B., Ch.B., 1922 ; D.P.H., 1923.
Sheard, Kathleen, B.A., 1914 ; Dip. Ed., 1915.
Sheard, Mary Beatrice, B.A., 1905.
Shearer, William Sinclair Russell, B.A. Hons. Eng. I., 1921.
Shearsmith, Henry Wilson, B.Sc. Hons. Physics II., 1928.
Sheldon, Clara, B.A., 1911.
Shepherd, Dorothy, B.A. Hons. Hist. II., 1915.

Shepherd, Reginald Vernon, B.Sc., 1914.
Shepherdson, Arnold, B.Sc., 1921.
Sheridan, Hilda Mary, B.A. Hons. Hist. II., 1927; Dip. Ed., 1928.
Sherwin, Morris, M.B., Ch.B., 1920.
Sherwood, William Henry Cecil, B.A., 1927; Dip. Ed., 1928.
Shillito, Paul, M.B., Ch.B., 1917.
Shimi, Mohammed Nabih, B.Sc., 1922; B.Sc. Hons. Maths. II., 1926; M.Sc., 1926.
Shimomura, Akira, Ph.D., 1922.
Shockett, Harry Charles, M.B., Ch.B. Hons. II. 1914.
Shorter, Sydney Alfred, B.Sc., 1905 · M.Sc., 1913; D.Sc., 1913.
Shout, Leonard West, B.A., 1911.
Shufleder, Esther, B.A. Hons. French I., 1924.
Shulman, Herzle, Dip. Dyeing, 1925: B.Sc. Hons. Col. Chem. II., 1926.
Shulman, Isaac, B.Sc. Hons. Col. Chem. III., 1913; Dip. Dyeing, 1913; M.Sc., 1914.
Shuttleworth, Arthur Clifford, M.B., Ch.B., 1929.
Shuttleworth, Clifford Wall, B.A. Hons. Eng. II., 1924; Dip. Ed., 1925.
Shuttleworth, Edith Alice, M.B., Ch.B., 1927.
Shuttleworth, Newton, B.Sc. Hons. Elec. Engrg. I., 1907; M.Sc., 1908.
Sibellas, Leonard, B.A., 1927.
Sidebottom, Edith, B.A., 1929.
Siddle, Francis Joseph, Dip. Dyeing, 1926; B.Sc. Hons. Col. Chem. I., 1927; Ph.D., 1929.
Siderfin, Norman Edward, B.Sc. Hons. Col. Chem. II., 1914; M.Sc., 1915.
Silman, Edward Israel Hyman, B.Com. Hons. III., 1929.
Silman, Julius, LL.B., 1929.
Silman, Louis, LL.B. Hons. III., 1925; B. Com., 1927.
Silman, Louis, LL.B., 1929.
Silverman, Herbert Albert, B.A. Hons. Econ. II., 1916.
Silverman, Hilda, B.Sc. Gen. Hons. III.; Dip. Ed., 1927.
Silverman, Sam, B.Sc. Hons. Physiol. III., 1923; M.B., Ch.B., 1926.
Silversides, Joseph William, M.B., Ch.B., 1925.
Silverton, Isaac, M.B., Ch.B., 1917.
Silverwood, Reggie, B.Sc., 1924; Dip. Ed., 1925.
Simper, Emily, B.A., 1920; M.A., 1922.
Simpkiss, Nellie, B.A. Hons. Hist. I., 1908; M.A., 1909; Dip. Ed., 1909.
Simpson, Helen Mary, B.A. Hons. Eng. I., 1916; Dip. Ed., 1917.
Simpson, Israel, B.A. Hons. Mod. Langs. I., 1921; M.A., 1922.
Simpson, James Stanley, B.Sc., 1922.
Simpson, John Edward Alan, M.B., Ch.B, 1924
Simpson, Margaret Cicely, B.A. Hons. Geog. II., 1923; Dip. Ed., 1924.
Simpson, Nora, B.A. Hons. Eng. III., 1922; Dip. Ed., 1923.

Simpson, Thomas Cooper, B.Sc., 1911.
Singh, Bachittar, M.B., Ch.B., 1925.
Sinovitch, Esther, B.A. Hons. French I., 1924; Dip. Ed., 1925.
Sinson, Harry Abram, M.B., Ch.B. Hons. II., 1913; D.P.H., 1922; M.D., 1925.
Sinson, Israel Lewis, B.Sc. Hons. Chem. II., 1908; M.Sc., 1908.
Sinson, Julius Barnet, M.B., Ch.B. Hons. II., 1911.
Sivil, Cecil Spencer, B.Sc., 1923.
Skinner, Mabel, B.A., 1905.
Skirrow, Benjamin Beck, B.Sc., 1905.
Skirrow, Frederick William, M.Sc., 1905.
Skues, Eric, B.A., 1922.
Slater, Doris May, B.A., 1920; M.A., 1921.
Slater, John Henry, B.Sc., 1905; M.Sc., 1906.
Sledge, Sydney Kitson, M.B., Ch.B. Hons. II., 1924.
Sledge, William Arthur, B.Sc. Hons. Bot. II., 1926; Ph.D., 1928.
Sleight, Ethel Marjorie, B.A. Hons. Geog. II., 1926; Dip. Ed., 1927.
Sleight, William, B.Sc. Hons. Engrg. II., 1923; M.Sc., 1924.
Slocombe, Bernard Atkinson, M.B., Ch.B. Hons. II., 1910.
Slomson, Sydney, B.A. Hons. French II., 1929.
Smailes, Alan, B.Sc. Hons. Maths. II., 1907; M.Sc., 1907.
Smailes, William Herbert, M.B., Ch.B., 1905.
Smart, Dorothy, B.A., 1919.
Smart, Edward Rogers, B.A., 1924.
Smith, Alan, B.Sc., 1922.
Smith, Albert Hugh, B.A. Hons. Eng. I., 1924: Ph.D., 1926.
Smith, Annie, B.A., 1915; M.A. 1916.
Smith, Bracewell, B.Sc., 1908.
Smith, Cecil Knowles, B.A. Hons. Classics II., 1923; M.A., 1928.
Smith, Charles Holden, M.B., Ch.B., 1917.
Smith, Charles Nixon, M.B., Ch.B., 1905; D.P.H., 1911.
Smith, Christopher Vincent Hendy, LL.B., 1925.
Smith, Dorothy Margaret, B.A. Hons. Eng. II., 1923; Dip. Ed., 1924.
Smith, Egerton, B.A., 1906; M.A., 1907.
Smith, Emilie Irene, B.A. Hons. Hist. II., 1926; Dip. Ed., 1927.
Smith, Eric Shaw, B.Sc. Hons. Chem. II., 1924; M.Sc., 1925.
Smith, Ernest Walter, B.Sc. Hons. Chem. II., 1923; M.Sc., 1923; Ph.D., 1927.
Smith, Francis Walter Hodges, B.Sc., 1922.
Smith, Frank Stanley, B.A. Hons. Ger. II., 1927; Dip. Ed., 1928.
Smith, Frederick Hugh, M.B., Ch.B., 1919.
Smith, Grace Margaret, B.Sc. Hons. Maths. III., 1026; Dip. Ed., 1927.
Smith, Harold. B.Sc., 1922.
Smith, Helen, B.A., 1917.
Smith, Henry Archbold, B.Sc., 1905.
Smith, Henry Geoffrey, B.Sc. Hons. Chem. II., 1927; Ph.D., 1929.

Smith, Jane Elizabeth, B.Sc. Hons. Bot. I., 1913; M.Sc., 1915.
Smith, Jesse Eyre, B.Sc. Hons. Physics I., 1928.
Smith, Jessie, M.B., Ch.B., 1916.
Smith, John Leslie, B.Sc., 1922.
Smith, John Nicholson, B.Sc., 1926.
Smith, Kathleen Mary, B.Sc. Hons. Chem. II., 1927; Dip. Ed., 1928.
Smith, Kathleen Mary Gertrude, B.A. Hons. French I., 1923; Ph.D., 1925.
Smith, Kathleen Senior, B.Com., 1922.
Smith, Leslie, M.B., Ch.B., 1928.
Smith, Marie Kathleen, B.A. Hons. Hist. II., 1920
Smith, Marjorie, B.A. Hons. French I., 1926; Dip. Ed., 1927.
Smith, Marjorie May, B.A. Hons. Hist. I., 1922; Dip. Ed. 1923.
Smith, Mrs. S. (see Sugden, Ann).
Smith, Nora Dickson, B.A., 1924; Dip. Ed., 1925.
Smith, Norman, B.Sc., 1915.
Smith, Norman Sampson, B.Sc., 1922.
Smith, Reginald Alonzo, B.Sc., 1924; M.Sc., 1927.
Smith, Reginald Eccles, M.B., Ch.B. Hons. II., 1909.
Smith, William Herbert, B.Com., 1922.
Smith, William Wright, B.Sc. Hons. Mech. Engrg. II., 1929.
Smithells, Colin James, B.Sc. Hons. Chem. I., 1914; M.Sc., 1921; D.Sc., 1922.
Smithies, Cyril Moulson, M.B., Ch.B. Hons. II., 1921.
Smithies, James Francis, B.Sc., 1928.
Smithson, Elizabeth, B.Sc. Hons. Bot. I., 1925; M.Sc., 1926; Dip. Ed., 1926.
Smithson, Mabel, B.A. Hons. Mod. Langs. III., 1923; Dip. Ed., 1924.
Smithurst, Julia May, B.A. Hons. Hist. II., 1924; Dip. Ed., 1925.
Snaith, Dorothy, B.Sc., 1922; Dip. Ed., 1923.
Snowden, Elizabeth, B.A. Hons. Mod. Langs. I.. 1915.
Solloway, Mildred Nancy Langdale, B.A. Hons. Classics III., 1916; Dip. Ed.,· 1924.
Sourasky, Ahron, M.B., Ch.B., 1921.
Sourasky, Maurice, M.B., Ch.B., 1922; M.D., 1925.
Southern, Alfred Collingwood, B.A., 1907.
Southern, Frederick William, M.A., 1925.
Southgate, Olive Jane, B.Sc., 1927.
Sowden, Marie, B.A. Hons. Eng. III., 1918.
Sowden, Willie, B.Sc., 1916.
Sowerbutts, Edith Utley (Mrs. Campbell), B.Sc., 1905.
Sowrey, Herbert Stanley, B.Sc. Hons. Physics I., 1928; Dip. Ed., 1929.
Sowrey, Jack Chadwick, Dip. Dyeing, 1921; B.Sc. Hons. Col. Chem. I., 1922; M.Sc., 1923.
Spalding, Albert, B.A. Hons. Econ. II., 1922; Dip. Ed., 1923.
Sparling, Herbert, B.A., 1919.
Speak, John, B.Sc., 1926.

Speed, Marie Elizabeth, (Mrs. Eeles) B.A. Hons. Eng. I., 1919; Dip. Ed., 1920.
Speight, Philip Henry, B.A. Hons. Eng. I., 1910.
Speight, Rose Emma, B.A. Hons. Eng. III., 1912; Dip. Ed., 1927.
Spence, Samuel, B.Sc. Hons. Elec. Engrg. III., 1921.
Spencer, Bessie, B.A. Hons. Mod. Langs. III., 1922; Dip. Ed., 1923.
Spencer, Frances Mary Elvira, B.A., 1906; M.A., 1919.
Spencer, George Douglas, B.Sc. Hons. Col. Chem. I., 1920; M.Sc., 1921.
Spencer, Mrs. (see Marsden, Hilda).
Spencer, William Greenwood, B.Sc., 1923.
Spikins, Terence, B.Sc., 1926; Dip. Gas Engrg., 1927.
Spink, Ernest William, M.B., Ch.B., 1905.
Spink, Gerald William, B.A. Hons. Mod. Langs. III., 1921; M.A., 1923.
Spivey, Eric, B.Sc. Hons. Chem. I., 1929.
Spruce, Gladys, B.A. Hons. Mod. Langs. II., 1910.
Squire, Vallance Paul, M.B., Ch.B. Hons. II., 1928.
Squires, Charles Edward, B.Sc. Hons. Geol. II., 1929.
Squires, Isabel Stephens, B.A., 1926; Dip. Ed., 1927.
Stables, William Herbert, M.A., 1906.
Stafford, Herbert, B.Sc., 1927; M.Sc., 1929.
Stainsby, George William, B.A. Hons. Hist. III., 1910.
Stainsby, William, B.Sc. Hons. Engrg. II., 1914.
Stalker, Gilbert, B.Com., 1924.
Standing, Christine, B.A. Hons. Hist. II., 1912; Dip. Ed., 1913 M.A., 1916.
Standing, Edwin Mortimer, B.Sc., 1905.
Standing, Herbert Fox, M.Sc., 1907; D.Sc., 1907.
Stanley, Alan Clapham, B.A. Hons. Geog. II., 1927; Dip. Ed., 1928.
Stansfield, Clifford Maxwell, B.Sc. Hons. Chem. II., 1924; M.Sc., 1925; Dip. Ed., 1925.
Stansfield, Harry, M.B., Ch.B., 1905.
Stansfield, Vera, B.Sc. Hons. Bot. III., 1924; M.Sc., 1925.
Stapleton, Arthur Leonard, M.A., 1915.
Staveley, John, B.Sc., 1913.
Stead, Frank Cawthorn, B.Sc., 1905.
Stead, Freda Elizabeth (Mrs. Gregory), B.Sc., 1916.
Stead, Harold, B.Sc. Hons. Engrg. II., 1926.
Stead, Lilian Mary, B.A. Hons. Mod. Langs. I., 1913; M.A., 1914.
Stedman, Mrs. (see Claridge, Margaret Elsie).
Steels, Harry, B.Sc. Hons. Physics I., 1928; Dip. Ed., 1929.
Steinberg, Florence, B.A. Hons. French II., 1925; Dip. Ed., 1926.
Steinthal, Paul Telford, M.Sc., 1910.
Stell, Donald, B.A. Hons. Eng. I., 1916.
Stephenson, Cyril Richard William, B.Sc. Hons. Physics III., 1912; M.Sc., 1913.
Stephenson, Doris May, B.A., 1921.

Stephenson, Frank, B.A. Hons. Hist. II., 1928; Dip. Ed., 1929.
Stephenson, Harold Edward, B.Sc. Hons. Col. Chem. II., 1924; M.Sc., 1925.
Stevenson, Dora, B.A. Hons. Eng. II., 1925; Dip. Ed., 1926; M.A., 1927.
Stevenson, Francis Malcolm, Dip. Dyeing, 1921; B.Sc. Hons. Col. Chem. II., 1921; M.Sc., 1922.
Stevenson, Hilda, B.A. Hons. Mod. Langs. I., 1918; Dip. Ed., 1920.
Stevenson, Kathleen, B.Sc. Hons. Chem. II., 1929.
Steward, Frederick Campion, B.Sc. Hons. Chem. I., 1924; M.Sc., 1925; Ph.D., 1926.
Stewart, Alan Benjamin, M.B., Ch.B., 1920.
Stewart, John, B.A. Hons. Philos. (not classified), 1916.
Stewart, Tom, B.Sc., 1905.
Stillwell, Samuel Thomas Cryer, B.Sc. Hons. Engrg. I., 1911.
Stobbart, John George, B.A. Hons. Philos. III., 1923.
Stockdale, George Vincent, M.B., Ch.B. Hons. II., 1910.
Stockdale, Leonard Moore, B.Sc. Hons. Chem. II., 1921; M.Sc., 1922.
Stocks, Arthur, B.Sc., 1905.
Stocks, Herbert Holroyd, B.Sc. Hons. Chem. I., 1913; M.Sc., 1914.
Stoddard, Arthur Askwith, M.Sc., 1917; D.Sc., 1917.
Stokes, John George, B.Sc., 1928.
Stokes, Victoria (Mrs. Breething), B.A.. 1921.
Stokes, William Clifford, B.Sc. Hons. Physics II., 1929.
Stoney, William Walter, M.D., 1905.
Storey, Mrs. (see Childe, Gertrude May).
Storey, Ralph Charles, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. II., 1923; M.Sc., 1924; Ph.D., 1926.
Storey-Bates, William Edward, B.A., 1907.
Storr, Bertram Vincent, M.Sc., 1920.
Story, Charles William Herbert, Dip. Dyeing, 1924; B.Sc. Hons. Col. Chem. I., 1925; M.Sc., 1926; Ph.D., 1928.
Stothard, Hilda, B.A. Hons. French II., 1926; Dip. Ed., 1927
Stott, Clarence, B.Sc., 1919; Dip. Gas Engrg., 1920.
Stott, Emma, B.Sc. Hons. Chem. I., 1929.
Stott, Herbert, B.A., 1922; Dip. Ed. Admin., 1927.
Stott, Marcus, B.A., 1926.
Stott, William Atkinson, M.B., Ch.B., 1905.
Stoyadinovitch, John, B.Sc., 1921.
Stradling, Ethel Milnes, B.A. Hons. Mod. Langs. I., 1910.
Strange, Edward Howard, B.A. Hons. Philos. I., 1908; M.A., 1910.
Street, Alexander, B.Sc. Hons. Physics I., 1928.
Street, Lily Beatrice, B.A. Hons. Mod. Langs. II., 1926; Dip. Ed., 1927.
Stringer, Cicely Mary, B.Sc., 1925.
Strong, Robert, M.A., 1910.

Stross, Barnet, B.Sc. Hons. Physiol. II., 1921; M.Sc., 1922; M.B., Ch.B., 1925.
Strothard, Hubert Turner, B.A. Hons. Eng. III., 1910; M.A., 1914.
Stuart, Doris Irene, B.A. Hons. Eng. II., 1923; Dip. Ed., 1924.
Stuart, Emily, B.A. Hons. Eng. I., 1915.
Studley, Charles Wilcock, B.Sc., 1905.
Su, May, M.B., Ch.B., 1925.
Sucksmith, Willie, B.Sc. Hons. Physics I., 1921.
Sugare, Harry, M.B., Ch.B., 1922; M.D., 1928.
Sugden, Ann (Mrs. S. Smith), M.B., Ch.B., 1924.
Sugden, Edith Annie, B.A., 1920.
Sugden, John Anthony, B.Sc. Hons. Chem. I., 1924; M.Sc., 1925; Ph.D., 1927.
Sugden, Reginald, B.Sc. Hons Chem I., 1913; M.Sc., 1914.
Suggitt, Bertram, M.B., Ch.B., 1905.
Sukhavadhana, Leck, B.Sc., 1926.
Summersall, Katherine Mary, B.Sc., 1924; Dip. Ed., 1925.
Sunderland, Dorothy, B.A. Hons. Hist. II., 1925.
Sunley, George Raine, B.Sc. Hons. Physiol. I., 1921; M.Sc., 1923; M.B., Ch.B., 1924.
Sur, Ramani Kanto, Dip. Ed., 1928; M.Ed., 1929.
Sutcliffe, Annie Eliza, B.A. Hons. Hist. II., 1921; Dip. Ed., 1922.
Sutcliffe, Dora, B.A. Hons. Hist I., 1915.
Sutcliffe, Dorothy, B.A. Hons. Hist. I., 1916.
Sutcliffe, Helen May (Mrs. Bassett), B.A., 1917.
Sutcliffe, James, B.Sc., 1907.
Sutcliffe, Norman Roberts, LL.B., 1922.
Sutcliffe, Reginald Cockroft, B.Sc. Hons. Maths. I., 1925; Ph.D., 1927.
Sutcliffe, Walter Hill, B.A. Hons. Hist. II., 1921; M.A., 1928.
Sutherland, Donald Moody, M.B., Ch.B., 1923.
Sutton, Lilian Mary, B.Sc. Hons. Chem. II., 1923; M.Sc., 1923.
Swailes, Rose, B.A. Hons. French II., 1925; Dip. Ed., 1926.
Swaine, Annie, B.Sc., 1921.
Swaine, George Bertram, B.A. Hons. Geog. II., 1926; Dip. Ed., 1927.
Swainston, Edward Frater, B.Sc., 1924; Dip. Ed., 1925.
Swales, Hilda Mary, B.A. Hons. Hist. II.,; 1919; M.A., 1924
Swales, Horace, B.A. Hons. Eng. II., 1925; Dip. Ed., 1926.
Swarbrick, Thomas, B.Sc. Hons. Bot. I., 1924; M.Sc., 1924; Ph.D., 1926.
Swift, Frank Lawrence, B.Sc. Hons. Chem. III., 1923; M.Sc., 1924.
Sykes, Albert Howarth, B.Sc. Hons. Physics I., 1907; M.Sc. 1908.
Sykes, Dorothy, B.A. Hons. Hist. III., 1925.
Sykes, Ella Barbara, M.B., Ch.B., 1927.
Sykes, Gladys, B.A. Hons. Eng. (*Aegrot*), 1921; Dip. Ed., 1922
Sykes, Helen, B.A., 1919; M.A., 1920.

Sykes, James, LL.B., 1905.
Sykes, John George, B.Ch.D., 1921.
Sykes, John Rawnsley, B.A. Hons. Hist. I., 1924 ; Dip. Ed., 1925 ; M.A., 1928.
Sykes, Joseph, B.A. Hons. Econ. II., 1922 ; M.A., 1928.
Sykes, Leonard Sheard, Dip. Dyeing, 1922 ; B.Sc. Hons. Col. Chem. I., 1922 ; M.Sc., 1923.
Sykes, Lillian Dorothy, B.A. Hons. Eng. II., 1924 ; Dip. Ed., 1925.
Sykes, Norman, B.A. Hons. Hist. I., 1920 ; M.A., 1921.
Symons, Hubert Wallace, M.B., Ch.B., 1912.

Tadros, Aziz Ghali, B.Sc. Hons. Civil Engrg. I., 1927.
Tahir, Mehboob Ali, Dip. Ed., 1926 ; M. Ed., 1928.
Taitt, Alfred Harold, B.Sc., 1926.
Talbot, Marjorie, B.A. Hons. French II., 1928 ; Dip. Ed., 1929.
Tarver, Emma, B.A. Hons. Geog. II., 1924 ; Dip. Ed., 1925.
Tasker, Edward, B.Sc. Hons. Physics II., 1928 ; Dip. Ed., 1929.
Tatner, Gilbert Henry, B.Sc. Hons. Chem. I., 1922 ; M.Sc., 1923.
Taylor, Alan, B.Sc., 1929.
Taylor, Albert William, B.Sc. Hons. Zool. II., 1926.
Taylor, Alfred Stuart, B.Sc., 1923.
Taylor, Anna, B.Sc. Hons. Bot. II., 1923 ; M.Sc., 1924 ; Dip. Ed., 1924.
Taylor, Arthur, B.Sc. Hons. Chem. I., 1912 ; M.Sc., 1912.
Taylor, Arthur Leslie, M.B., Ch.B., 1923 ; M.D., 1926 (*with distinction*).
Taylor, Bertha, B.A. Hons. Hist. II., 1912.
Taylor, Clifford Barnsley, B.Sc. Hons. Agric. Bot. II., 1926.
Taylor, Dora, Dip. Ger., 1912 ; B.A. Hons. Mod. Langs. III., 1918.
Taylor, Edward Goodsham, B.A. Hons. Hist. II., 1922.
Taylor, Emily Augusta, B.A. Hons. Hist. I., 1919 ; M.A., 1921.
Taylor, Eric, B.Sc. Hons. Engrg. I., 1922.
Taylor, Ernest, B.Sc. Hons. Chem. III., 1913 ; M.Sc., 1914.
Taylor, Francis, B.Sc., 1905.
Taylor, Geoffrey Waring, M.B., Ch.B. Hons. II., 1923.
Taylor, George, B.A. Hons. Eng. I., 1925.
Taylor, Harry, M.B., Ch.B., 1924.
Taylor, Herman Louis, M.B., Ch B Hons II , 1913.
Taylor, John Robinson, B.Sc. Hons. Chem. II., 1914.
Taylor, Joseph Cecil, B.A., 1928.
Taylor, Mona, B.A. Hons. Mod. Langs. II., 1929.
Taylor, Reginald Charles, B.Sc., 1922.
Taylor, Richard Granville, B.Sc., 1926.
Taylor, Seth, B.Sc., 1924.
Taylor, Walter, B.A. Hons. Eng. III., 1925.
Taylor, William Alexander, B.A. Hons. Hist. II., 1910.
Teal, Denis, Dip. Mech. Engrg., 1927 ; B.Sc., 1928.
Teale, Alice Dorothea, B.A. Hons. Eng. II., 1916.

Teale, Alfred Ernest, B.A. Hons. Philos I., 1929.
Teale, John Edward, M.B., Ch.B., 1926.
Tempest, Hannah, B.Sc. Hons. Chem. III., 1923; M.Sc., 1924; Dip. Ed., 1924.
Tempest, Mabel Dorothy, B.A., 1913; Dip. Ed., 1914.
Temple, Mrs. (see Brook, Annie).
Ten Bruggenkate, George Herbert, B.A. Hons. Classics II., 1906; M.A., 1908.
Terry, James Oliver, M.B., Ch.B., Hons. II., 1928.
Tesh, Elsie, B.A. Hons. Hist. I., 1917.
Tetley, Humphrey, B.Sc., 1916.
Thackrah, Elsie, B.Sc., 1920.
Thackray, Edith, B.A., 1920; M.A., 1921.
Thackray, George Cyril, B.A. Hons. Hist. II., 1921.
Thackray, Henry, B.A., 1920.
Theaker, William Stuart, LL.B., 1925.
Thianprasiddhi, Term, B.Sc. Hons. Mech. Engrg. III., 1928.
Thistlethwaite, Hilda, (Mrs. Leake) B.Sc., 1915; M.B., Ch.B. Hons. II., 1921.
Thistlethwaite, Wilfred, M.B., Ch.B., 1924.
Thomas, Frederick George, B.A. Hons. Eng. II., 1922; Dip. Ed., 1923; M.A., 1924.
Thomas, Harold Hirst, B.Sc., 1922.
Thomas, Mrs. (see Wardle, Gretta Mary).
Thomas, Reginald James, B.Sc., 1923.
Thomas, Walter Morgan, B.Sc., 1913.
Thomas, William Calvert, B.A. Hons. Hist. II., 1912; M.A., 1915.
Thompson, Benjamin Cyril, M.B., Ch.B., 1925.
Thompson, Bertha, B.A. Hons. Eng. I., 1929.
Thompson, Elsie Elizabeth, B.A., 1917; Dip. Ed., 1918.
Thompson, Frederick Charles, B.Sc. Hons. Chem. III., 1911; M.Sc., 1912; Hons. Leather II., 1913.
Thompson, Geoffrey, M.B., Ch.B., 1926.
Thompson, George Casburne, B.Sc., 1920.
Thompson, George Robert, B.Sc., 1905.
Thompson, Harold Winsor, B.Sc. Hons. Zool. II., 1915; M.Sc., 1915.
Thompson, Hubert, B.Sc., 1905.
Thompson, John Thomas, M.Sc., 1905.
Thompson, Marjorie Elizabeth, B.A., 1923.
Thompson, Mrs. (see Walker, Julia Beatrice).
Thompson, Mrs. B. C. (see Andrade, Ruth Daisy).
Thompson, Samuel Parr, B.Sc. Hons. Engrg. I., 1925.
Thompson, Thomas Edward, Dip. Dyeing, 1924; B.Sc. Hons. Col. Chem. III., 1925; M.Sc., 1926.
Thompson, Wilhelmina, B.A., 1919.
Thomson, Mrs. (see Turner, Florence Mary Beatrice).
Thornburn, Philip Cheveley, B.Sc., 1924.
Thornton, Betsy Marguerite, B.A., 1917.
Thornton, Brenda, B.A. Hons. French II., 1926; Dip. Ed., 1927.
Thornton, Charles Raymond, M.B., Ch.B. Hons. II., 1926.

Thornton, Edna, B.A. Hons. Mod. Langs. II., 1928; Dip. Ed., 1929.
Thornton, Edwin, B.Sc. Hons. Chem. III., 1909.
Thornton, Harold, B.Sc. Hons. Chem. II., 1910.
Thornton, Harold Priestley, M.Sc., 1911.
Thornton, Ramoth, B.Sc., 1927.
Thornton, William George Squire, M.A., 1912.
Thorp, Bernard Hudson, B.Sc. Hons. Engrg. I., 1925; M.Sc., 1926.
Thorp, Geoffrey, B.Sc. Hons. Engrg. III., 1922.
Thorp, George, B.Sc., 1906; M.Sc., 1907.
Thorp, Hilda, B.A. Hons. Mod. Langs. I. (dist. in Germ.), 1907; M.A., 1910.
Thorp, Mrs. (see Hargreaves, Edith).
Thorp, Samuel, B.Sc., 1905.
Thorp, Walter, B.Sc., 1905.
Thorpe, George Sykes, Dip. Dyeing, 1921; B.Sc. Hons. Col. Chem. II., 1921; M.Sc., 1922.
Thoseby, John Norman Lonsdale, M.B., Ch.B. Hons. I., 1909
Thubron, Nellie, B.A. Hons. Eng. II., 1924; Dip. Ed., 1925.
Thurlow, Roy, B.Sc. Hons. Physics II., 1929.
Thurman, John, B.A. Hons. Mod. Langs. II., 1926.
Tibble, John William, B.A. Hons. Eng. I., 1922; Dip. Ed., 1923; M.Ed., 1925.
Tibble, Mrs. (see Northgrave, Mabel Anne).
Tiffany, Frank, B.Sc., 1905.
Tiffany, Joseph Edgar, B.Sc., 1905.
Tiffin, William Johnson, B.A. Hons. French II., 1927; Dip. Ed., 1928; M.A., 1929.
Tillotson, Ernest, B.Sc. Gen. Hons. II.
Tillott, Harry, B.Sc., 1910; M.Sc., 1914.
Timms, Constance Marina, B.A. Hons. Eng. III., 1926.
Timms, Geoffrey, B.Sc. Hons. Maths. I., 1925.
Tingle, Robert Lacy Aubrey, B.Sc., 1910.
Tiplady, George, B.Sc. Hons. Col. Chem. III., 1924; M.Sc., 1925.
Todd, Aldred Bertram Slingsby, M.B., Ch.B., 1905.
Todd, Helena, B.A. Hons. Eng. II., 1917; M.A., 1922.
Todd, Muriel Kathleen, B.A. Hons. Hist. II., 1928; Dip. Ed., 1929.
Todd, Sydney, B.A., 1925; Dip. Ed., 1926.
Toes, Ethel, B.A. Hons. Hist. II., 1920.
Tolchard, William Charles, B.A., 1921.
Tolson, Dorothy Muriel, B.A., 1926; Dip. Ed., 1927.
Tolson, Ernest, B. Com., 1928.
Tomlin, Herbert, M.B., Ch.B., 1905.
Tomlinson, Alice, B.Sc. Hons. Maths. II., 1929.
Tomlinson, Frederick Scott, Dip. Dyeing, 1927; B.Sc. Hons. Col. Chem. I., 1928.
Tomlinson, Helen Penelope, B.A. Hons. Mod. Langs. II., 1925; Dip. Ed., 1926.

Tomlinson, John Arthur, B.Sc., 1907.
Tomlinson, John Lansdowne, B.A. Hons. Hist. II., 1911 ; M.A., 1913.
Tomlinson, Samuel, B.Sc. Hons. Chem. II., 1924.
Tomlinson, Thomas Fowler, B.Sc., 1906.
Tomlinson, Thomas Percival, B.Sc., 1921 ; Dip. Ed., 1922 ; M.Ed., 1923.
Tong, Dorothy Ettenfield, B.Sc. Hons. Bot. II., 1927 ; Dip. Ed., 1928.
Tonks, Laurance Henry, B.Sc. Hons. Geol. II., 1921 ; M.Sc., 1921.
Topham, Ethel, B.A., 1917.
Topham, Rawdon, B.A. Hons. Mod. Langs. II., 1928.
Topham, Richard Stanley, M.B., Ch.B. Hons. II., 1915.
Tordoff, Oliver Holdsworth, B.A. Hons. Geog. II., 1929.
Towers, Albert, B.Sc. Hons. Chem. III., 1926 ; M.Sc., 1927 ; Dip. Ed., 1927 .
Towler, William Milburn, B.Sc. Hons. Chem. II., 1925 ; M.Sc., 1926 ; Dip. Ed., 1926.
Townend, Alice, B.Sc., 1924 ; Dip. Ed., 1925.
Townend, Wilfred, B.A., 1922.
Townsend, Florence Emma, B.A., 1906.
Townsend, Gladys Elizabeth Gwendolyn, B.A. Hons. Eng. III., 1918.
Townsend, Robert, B.Sc. Hons. Physics I., 1907 ; M.Sc., 1907.
Tranmer, Louisa Gertrude, B.Sc., 1929.
Trumper, Oscar Bagster, M.B., Ch.B., 1906
Trewick, John Arthur, M.B., Ch.B. Hons. II., 1922.
Tuck, Gladys Helen Edwena, B.A. Hons. Eng. III., 1922.
Tudor, Olive, B.A. Hons. Mod. Langs. III., 1924 ; Dip. Ed., 1925.
Tunbridge, Ronald Ernest, B.Sc. Hons. Physiol. I., 1927 ; M.Sc., 1929.
Tunnicliffe, Eveline Mary (Mrs. Hinckley), B.Sc., 1908.
Tupper-Carey, Rose Marie, M.Sc., 1928.
Turnbull, Donald, LL.B., 1914 ; LL.M., 1916.
Turner, Dorothy Mabel, B.Sc. Hons. Agric. Bot. I., 1929.
Turner, Elizabeth Ellen, B.Sc. Hons. Chem. III., 1925 ; M.Sc., 1926 ; Dip. Ed., 1926.
Turner, Florence Mary Beatrice (Mrs. Thomson), B.Sc. Hons. Bot. II., 1905 ; M.Sc., 1907.
Turner, Frederick William, B.Sc., 1907.
Turner, Harriet Marie, B.A., 1905.
Turner, James, B.Sc., 1928.
Turner, Joseph, LL.B., 1924.
Turner, Kathleen Ethel, B.Sc. Hons. Maths. II., 1928 ; Dip. Ed., 1929.
Turner, Kathleen St. Elphin, B.Sc., 1924 ; Dip. Ed., 1925.
Turner, Kavas Ardeshir, M.B., Ch.B., 1924.
Turner, Ralph Hinchcliffe, M.A., 1926.
Turner, Stanley Colin, Dip, Dyeing, 1926 ; B.Sc., 1928.

Turton, Edward, M.D., 1905.
Twist, Norman Stuart, M.B., Ch.B., 1910.
Twitchin, Elizabeth Edwards, B.A., 1912.
Tyler, Allan George, Dip. Dyeing, 1925; B.Sc. Hons. Col. Chem. III., 1926; M.Sc., 1927.
Tyler, Frank, B.Sc. Hons. Physics I., 1929.
Tyler, Thomas Harold, B.Sc. (*aegrotat*), 1926; Dip. Ed., 1927.
Tyrrell, Doris Mary, B.Sc. Hons. Maths. III., 1923; M.Sc., 1924; Dip. Ed., 1924.
Tyson, Gilbert John Gilbanks, B.Sc. Hons. Leather II., 1921; M.Sc., 1922.

Umanski, Augusta (Mrs. Landman), M.B., Ch.B., 1915.
Umpleby, Dorothy, B.Sc., 1919.
Underwood, Arthur Joseph Victor, B.Sc. Hons. Maths. I., 1916; Hons. Engrg. I., 1919; M.Sc., 1919; D.Sc., 1929.
Underwood, Jacob Rudolph, Dip. Dyeing, 1922; B.Com., 1924.
Unwin, Ernest Ewart, M.Sc., 1906.

Vakil, Krishnalal Surajram, M.Ed., 1923.
Vallow, Harold, M.B., Ch.B., 1908; M.D., 1910.
Varey, Mary, B.A. Hons. Mod. Langs. I., 1913.
Varley, Annie, B.A., 1911.
Varley, Bessie, B.A., 1913.
Varley, Edith Margaret, B.Sc., 1924; Dip. Ed., 1925.
Varley, Ernest Reginald, B.Sc. Hons. Geol. II., 1927; Dip. Ed., 1928.
Varley, Gilbert, B.Sc. Hons. Engrg. I., 1910; M.Sc., 1911.
Varley, William Mansergh, D.Sc., 1905.
Vass, Charles Cyril Norrey, B.Sc., Hons. Chem. I. 1925; M.Sc., 1925; Ph.D., 1927.
Vaughan, Alfred Bentley, B.Sc., 1929.
Vaughan, John David, B.Sc., 1912.
Veitch, Ethel, B.A. Hons. Eng. II., 1926; Dip. Ed., 1927.
Venables, Ethel Mary, B.A., 1919.
Vernon, Edgar, B.Sc., 1908.
Versey, Henry Cherry, B.Sc. Hons. Geol. I., 1914; M.Sc., 1915.
Vince, Eva Mary, B.Sc., 1908.
Vincent, Edward Wallis, M.B., Ch.B., 1924.
Viret, Ronald Pope, M.B., Ch.B., 1926.
Virgo, Leslie Frank, B.Sc., 1922.
Voelter, Cecilia Mary Magdalen, B.A. Hons. French II., 1926; Dip. Ed., 1927.
Voelter, Ursula Marie Thérèse, B.A. Hons. French I., 1928; Dip. Ed., 1929.
Voil, Ralph de, B.A. Hons. Hist. III., 1926.

Wadadekar, Gajanan Mahadea, B.Sc. Hons. Col. Chem. II., 1926; M.Sc., 1927.
Waddington, Guy, B.Sc., 1923.
Waddy, Ethel Margery, B.A. Hons. Mod. Langs. II., 1928; Dip. Ed., 1929.

Wade, James Mervyn, LL.B., 1906.
Wade, Mrs. (see Bentley, Esther Cluderay).
Wadhwa, Hira Lall, Dip. Civ. Engrg., 1927; B.Sc., 1928.
Wadson, Grace Marjorie, B.A. Hons. Hist. III., 1922; Dip. Ed., 1923.
Wadsworth, Alan Eric, B.Sc. Hon. Chem. II., 1923; M.Sc., 1923.
Wadsworth, Guthrie Morgan, M.B., Ch.B., 1923.
Wagner, Albert Frederick Henry Vine, B.A. Hons. Hist. II., 1927; Dip. Ed., 1928.
Wagstaffe, George William, B.Sc., 1905.
Wainwright, Amy, B.A. Hons. Eng. III., 1921.
Wainwright, Clifford, B.Sc. Hons. Physics I., 1924; M.Sc., 1925.
Waite, Joseph Harold, B.Sc., 1905.
Wake, Kathleen Harriet, B.A., 1918.
Wake, Walter Arthur, B.Sc. Hons. Col. Chem. III., 1922.
Walbank, Arthur, M.B., Ch.B., 1923.
Walbank, Sibyl, B.A. Hons. Mod. Langs. II., 1924; Dip. Ed., 1925.
Walbank, Wilfrid Stephen, B.Sc., 1905.
Waldron, William, Dip. Dyeing, 1925; B.Sc. Hons. Col. Chem. II., 1925.
Wales, Albert Eric, B.Sc. Hons. Chem. II., 1927; Dip. Ed., 1928.
Walker, Ada (Mrs. Bentley), B.A., 1905.
Walker, Albert George, B.Sc., 1913.
Walker, Albert Latimer, M.B., Ch.B., 1906.
Walker, Algernon Stanley, B.A. Hons. Classics II., 1911; M.A., 1912.
Walker, Annie Isabel, B.A. Hons. Eng. III., 1925; Dip. Ed., 1926.
Walker, Edna, B.Sc., 1922; Dip. Ed., 1923.
Walker, Emily Ethel, B.A., 1912.
Walker, Emily Farrington, B.Sc. Hons. Bot. II., 1910; M.Sc., 1911.
Walker, Eric Eaton, Dip. Dyeing, 1924; B.Sc. Hons. Col. Chem. III., 1925; M.Sc., 1926.
Walker, Eric Hallam, B.Sc. Hons. Elec. Engrg. III., 1927.
Walker, Evelyn, B.Sc., 1912.
Walker, Florence, B.A. Hons. Eng. II., 1924; Dip. Ed., 1925.
Walker, Frank, B.A. Hons. Geog. II., 1923; Dip. Ed., 1924.
Walker, George Frederick, M.B., Ch.B. Hons. I., 1923; M.D. (*with distinction*), 1924.
Walker, Harry, B.A. Hons. Hist. III., 1918.
Walker, Henry Secker, M.Sc., 1905 (*under Ordinance XIII.*).
Walker, Hilda Hallam, B.A. Hons. Hist. II., 1921; Dip. Ed., 1922.
Walker, Jack, Dip. Dyeing, 1923; B.Sc. Hons. Col. Chem. I., 1923; M.Sc., 1924.
Walker, James, B.Sc., 1910.
Walker, Jessie (Mrs. Daykin), B.A. Hons. Eng. I., 1907; M.A., 1908; Dip. Ed., 1908.
Walker, John, M.B., Ch.B., 1926.

Walker, John Perrin, M.B., Ch.B. Hons. II., 1911.
Walker, Joseph Shirley, M.B., Ch.B., 1924.
Walker, Joshua, B.Sc., 1905.
Walker, Julia Beatrice (Mrs. Thompson), B.A., 1905.
Walker, Kathleen Susan, B.A., 1917.
Walker, Leonard, B.Sc., 1908.
Walker, Melville George Leslie, M.B., Ch.B., 1905.
Walker, Reginald Charles, B.Sc., 1927; Dip. Ed., 1928.
Walker, Robert, B.A. Hons. Eng. III., 1921; Dip. Ed., 1922.
Walker, Thomas Lockwood, M.B., Ch.B., 1911.
Walker, William, B.Sc., 1926.
Wallace, Dorothy Kate, B.A. Hons. Hist. II., 1911.
Wallace, Harry Bruce, B.A., 1905; M.A., 1908.
Walls, Alice, B.A. Hons. Eng. II., 1926; Dip. Ed., 1927.
Walmsley, George Bernard, B.A. Hons. Classics III., 1929.
Walsh, George, B.Sc., 1923.
Walsh, Joshua Samuel, LL.B. Hons. I., 1922.
Walsh, Nathan, M.B., Ch.B. Hons. II., 1921.
Walsh, Percy, LL.B. Hons. II., 1929.
Walter, Ida, B.A. Hons. Geog. III., 1928; Dip. Ed., 1929.
Walton, Edith May, B.A. Hons. Eng. II., 1925; Dip. Ed., 1926.
Walton, Francis, M.B., Ch.B., 1917.
Wann, Gladys May, B.Sc. Hons. Zool. III., 1929.
Warburton, Mary Lilian, B.A. Hons. Mod. Lang. II., 1921.
Ward, Alice Rose, B.A., 1909.
Ward, Clifford Ardiss, B.Sc., 1922.
Ward, Denis, B.Sc. Hons. Chem. II., 1928.
Ward, Florence Eleanor, B.Sc. Hons Geol II., 1920; M.Sc., 1920.
Ward, Harry, B.Sc. Hons. Chem. II., 1920; M.Sc., 1921.
Ward, Herbert Wainwright, B.Sc. Hons. Physics III., 1909; M.Sc., 1910; Dip. Ed., 1910.
Ward, Joseph Griffith, M.B., Ch.B. Hons. II., 1924.
Ward, Margaret Naomi (Mrs. Lasker), B.Sc., 1906.
Ward, Margarite, M.B., Ch.B., 1922.
Ward, Mrs. (see Whitaker, Elsie Dinah).
Ward, Robert Walter Livesley, M.B., Ch.B., 1925.
Wardle, Gretta Mary (Mrs. Thomas), M.B., Ch.B. Hons., II., 1923; M.D., 1928.
Wardle, May, B.A., 1928.
Wareham, Charles Edmund, B.Sc. Hons. Physics III., 1927; Dip. Ed., 1928.
Warhurst, Jennie Phedora, B.A., 1920.
Warhurst, Joseph Leslie, B.Sc., 1925; Dip. Ed., 1926.
Warin, Phillipson, B.Sc., 1906.
Warmington, Edith, B.Sc., 1905.
Warner, Keith Stanley, B.A. Hons. Classics II., 1925.
Warnes, Sarah Catherine, B.A., 1906.
Warren, Albert Edmund, B.A. Hons. Hist. II., 1911; M.A., 1912.
Warrington, George Donald, B.Sc. Hons. Maths. II., 1926.
Waterhouse, Osborn, B.A., 1905, ; M.A., 1912.
Waterland, Roy, B.A. Hons. Hist. III., 1923; Dip. Ed., 1924.

Watson, Clara Evelyn, B.Sc., 1917; M.Sc., 1922.
Watson, Clifford Riley, M.B., Ch.B., 1919.
Watson, Dorothy May, B.A. Hons. Eng. II., 1928; Dip. Ed., 1929.
Watson, George Alstone, B.A., 1905.
Watson, Ivy Rosamund, M.B., Ch.B., 1929.
Watson, James Arthur, B.Sc. Hons. Physics I., 1908.
Watson, John Christopher, B.Sc. Hons. Leather III., 1922; M.Sc., 1923.
Watson, John Henry, B.A. Hons. Geog. II., 1929.
Watson, John Trevor Verity, LL.B. Hons. II., 1929.
Watson, Mrs. (see Wormwell, Sarah Ethel).
Watson, Ronald, Dip. Dyeing, 1924; B.Sc. Hons. Col. Chem. I., 1925; M.Sc., 1926.
Watson, Sidney Grange, B.Sc. Hons. Gas Engrg. I., 1924 M.Sc., 1924.
Watson, Thomas, B.A., 1921.
Watson, Vera, B.A. Hons. Eng. III., 1923; Dip. Ed., 1925.
Watts, Frank Maxfield, B.Sc., 1908.
Wayne, Edward Johnson, B.Sc. Hons. Chem. I., 1923; Ph.D., 1925.
Wear, Algernon, Dip. Civ. Engrg., 1925; B.Sc., 1926.
Weatherell, Thomas Bertram, B.A., 1907.
Weatherston, Jean Hastie, B.A., Hons. Mod. Langs. II., 1923; Dip. Ed., 1924.
Weaver, Herbert John, B.A. Hons. Hist. II., 1925; Dip. Ed., 1926.
Webster, Alec, B.Sc. Hons. Leather III., 1924; M Sc., 1925.
Webster, Fred, B.A., 1914; LL.B., 1920.
Webster, Herbert, B.A. Hons. Classics III., 1912.
Webster, Herbert William, B.Sc. Hons. Chem. I., 1909; M.Sc., 1909.
Webster, Michael Harold, B.A., 1915.
Webster, Wilfred, B.A., 1923; M.A., 1925; M.Ed., 1928.
Wedgwood, Philip, B.Sc., 1922.
Weeks, Norley Cecil, B.A., 1914.
Weetman, Howard George Vincent, B.Sc., 1926; Dip. Ed., 1928.
Weighell, Gladys Margaret, B.A. Hons. French III., 1925; Dip. Ed., 1926.
Welburn, Thomas, B.Sc. Hons. Chem. II., 1924; M.Sc., 1925; Dip. Ed., 1925.
Welch, Arthur Cedric, M.B., Ch.B., 1926.
Wells, Doris Mary, B.Sc., 1923; Dip. Ed., 1925.
Wells, George Lee, M.B., Ch.B., 1905.
Welpton, Mrs. W. P. (see Gray, Catherine Isabella).
Wesley-Smith, John Leslie, M.B., Ch.B. Hons. II., 1921.
West, Evangeline, B.A., 1911; Dip. Fr., 1914.
West, Florrie, B.A., 1920.
West, Hilda (Mrs. Hurst), B.A. Hons. Eng. I., 1918
West, John Ethelbert Holman, M.B., Ch.B., 1928.
West, John Herbert, B.A., 1923.

West, Lilian Mary, B.A. Hons. Hist. II., 1922 ; Dip. Ed., 1923.
West, William Ernest, B.Sc., 1908.
Westerman, Mabel (Mrs. Hutton), B.Sc. Hons. Bot. II., 1909; M.Sc., 1910.
Westworth, Muriel Gertrude, B.Sc., 1929.
Whaley, James, B.Sc., 1905.
Whalley, Fred, B.Sc., 1914.
Whalley, Frederick, M.B., Ch.B., 1905.
Whalley, Lewis, B.Sc., 1910.
Wharram, Charles Etherington, B.Sc., 1912.
Wharton, James Henry Shields, B.A., 1913.
Whattam, Thomas William, B.Sc. Hons. Col. Chem. I., 1920 ; M.Sc., 1921.
Wheatcroft, Shirley William Francis, B.Sc., 1925.
Wheatley, Arnold Herbert Maurice, B.Sc., 1913.
Wheatley, Bertha, Dip. Ger., 1914 ; M.B., Ch.B., 1922.
Wheatley Mrs. (see Dobson, Constance).
Wheatley, Robert, B.Sc. Hons. Chem. II., 1910.
Wheeler, Frank Montagu George, B.Sc., 1927.
Whetton, John Thomas, B.Sc., 1923 ; M.Sc., 1925.
Whewell, Mrs. (see Barton, Mary Dorothea).
Whincup, Harry Hynes, B.A. Hons. Classics I., 1913 ; Hons. Philos. II. 1914.
Whitaker, Arthur, B.A. Hons. Geog. (*Aegrotat*), 1928 ; Dip. Ed., 1929.
Whitaker, Elsie Dinah (Mrs. Ward), B.Sc. Hons. Geol. I., 1917; M.Sc., 1918.
Whitaker, Frank Howard, LL.B., 1928 ; LL.B. Hons. I., 1929.
Whitaker, George Robert, B.A., 1915 ; M.A., 1919.
Whitaker, Henry, B.Sc., 1913 ; M.Sc., 1919.
Whitaker, Herbert, B.Sc. Hons. Chem. III., 1909 ; M.Sc., 1909.
Whitaker, John Vaughan, M.B., Ch.B., 1926.
Whitaker, Joyce Salter, B.Sc., 1928.
Whitaker, Thomas, B.Sc. Hons. Civil Engrg. I., 1929.
White, Arthur Ernest, B.A., 1906.
White, Enid Margaret, B.Sc., 1922 ; Dip. Ed., 1923.
White, Eric William Lonsdale, M.B., Ch.B., 1926.
White, Ethel, B.A., 1905 ; M.A., 1906.
White, Harry Herbert, B.Sc., 1924.
White, Herbert Marmaduke, B.A., 1916.
White, John, B.A. Hons. French II., 1927.
White, John Rowarth Stuart, B.Ch.D., 1928
White, Julia Mary, B.Sc., 1925 ; Dip. Ed., 1926.
White, Reginald Lever, Dip. Dyeing, 1921 ; B.Sc. Hons. Col. Chem. I., 1922 ; M.Sc., 1923.
White, Robert George, B.Sc., 1905 ; M.Sc., 1911.
White, William Henry, B.Sc., 1905.
Whitehead, Alfred, B.Sc. Hons. Engrg. I., 1922.
Whitehead, Dorothy, B.A., 1919.
Whitehead, Hugh Robinson, B.Sc. Hons. Chem., II., 1921; M.Sc., 1922.

Whitehead, Mary, B.A. Hons. Mod. Langs. III., 1906; M.A. 1907; Dip. Ed., 1907.
Whitehead, Pollie, B.Sc., 1905.
Whitehead, Rowland Bertie, B.Sc. Hons. Col. Chem. II., 1923; M.Sc., 1924.
Whitehead, Thomas, M.B., Ch.B., 1906.
Whiteley, Ada (Mrs. Jones), B.Sc., 1911.
Whiteley, Austyn Leslie, B.Sc. Hons. Elec. Engrg. I., 1927.
Whiteley, Charles Edward, M.Sc., 1905.
Whiteley, Constance (Mrs. Barker), B.A. Hons. Eng. III., 1922.
Whiteley, Evelyn, B.A., 1921.
Whiteley, George Leach, B.Sc., 1929.
Whiteley, Joseph Travis, B.A. Hons. Mod. Langs. I., 1918; M.A., 1921.
Whiteman, John Francis, B.Sc., 1924.
Whitfield, Elsie, B.Sc. Hons. Bot. II., 1923; M.Sc., 1923.
Whitham, Harry, B.Sc. Hons. Col. Chem. I., 1920; M.Sc., 1921.
Whiting, Dorsey, B.A. Hons. Hist. II., 1920.
Whitley, Arthur, B.A., 1912.
Whitley, Edward Ingham, B.A., 1928.
Whitney, Edith Alberta, M.B., Ch.B., 1925.
Whittaker, Constance, B.A. Hons. French II., 1928; Dip. Ed., 1929.
Whittaker, Croydon Meredith, B.Sc., 1905.
Whittaker, Honor Gertrude, B.A. Hons. French II., 1927; Dip. Ed., 1928.
Whittle, Cyril James, B.Sc. Hons. Geol. III., 1924; M.Sc. 1924; Dip. Ed., 1925.
Whittle, Frederick, B.Sc., 1923.
Whitworth, Ada Beatrice, B.Sc. Hons. Bot. III., 1925; M.Sc., 1926; Dip. Ed., 1926.
Whitworth, Marjorie, B.A. Hons. Hist. III., 1921; Dip. Ed., 1922.
Whitworth, William Wilson, B.A. Hons. Mod. Langs. II., 1914.
Whyman, William Edward, B.Sc., 1924.
Whyte, William Hamilton, B.A. Hons. Econ. I., 1921; M.A., 1922.
Wigglesworth, Frank, M.B., Ch.B., 1911.
Wigglesworth, Maurice Handel, B.Sc., Hons. Chem. II., 1923.
Wiggins, Mrs. (see Wrigley, Florence Mary).
Wigham, Wilfred Southall, B.A., 1919.
Wight, William, B.Sc. Hons. Bot. I., 1928.
Wilby, Arthur Edwin, B.Sc., 1909.
Wilby, John Rollin, B.Sc., 1927.
Wilby, John Ronald William, B.Sc. Hons. Maths. II., 1927; M.Sc., 1928.
Wilby, Lucy Kathleen, B.A. Hons. Mod. Langs. II., 1923; Dip. Ed., 1924.
Wilcock, Harry Johnson, B.Com., 1928; Dip. Ed., 1929.
Wild, Thomas Brook, B.A. Hons. Eng. III., 1923; Dip. Ed., 1924.
Wild, William, B.Sc. Hons. Chem. I., 1928.

Wildman, Alec Blakey, B.Sc. Hons. Agric. Zool. I., 1928.
Wiles, Norman, B.Sc. Hons. Maths. II., 1926; Dip. Ed., 1927.
Wilkins, Phyllis Florence, B.A. Hons. Mod. Langs., II., 1919; Dip. Ed., 1920; Dip. Fr., 1920.
Wilkinson, Edna Irene, B.A. Hons. Hist. II., 1926; Dip. Ed., 1927.
Wilkinson, Eltoft Wray, B.Sc. Hons. Elec. Engrg. II., 1907.
Wilkinson, Ethel, B.A., 1924.
Wilkinson, John, M.B., Ch.B. Hons. II., 1914.
Wilkinson, Mary, B.Sc., 1920.
Wilkinson, Noel Clifford, B.Sc. Gen. Hons. III., 1928; Dip. Ed., 1929.
Wilkinson, Norma, B.Sc., 1928.
Wilkinson, Reginald Arthur, Dip. Dyeing, 1922; B.Sc. Hons. Col. Chem. II., 1922.
Wilkinson, Stanley, B.A. Hons. Hist. II., 1923; Dip. Ed., 1924.
Wilkinson, Willy, B.A. Hons. Eng. III., 1922.
Wilks, Clifford, B.A. Hons. French I., 1929.
Wilks, Stephen Longmore Butterworth, M.B., Ch.B., 1905.
Willans, Charles Rudolph, M.B., Ch.B., 1905.
Willans, Ernest Victor, B.Sc., 1925.
Willey, Irene, B.A. Hons. French II., 1927; Dip. Ed., 1928.
Williams, Arthur Trevor, M.Sc., 1920.
Williams, Joseph Russell, B.A. Hons. Eng. I., 1921.
Williams, Margaret, B.A. Hons. Eng. II., 1919.
Williams, Mrs. (see Brown, Nellie).
Williams, Norman Henry, Dip. Dyeing, 1926; B.Sc. Hons. Col. Chem. II., 1927; M.Sc., 1928.
Williams, Thomas, B.A. Hons. Mod. Langs. II., 1915.
Williams, Thomas Rhondda, B.Sc., 1914.
Williamson, Joshua, M.B., Ch.B., 1906.
Willing, Mabel Hannah, B.A., 1925; Dip. Ed., 1926.
Willis, George Henry, B.A., 1914.
Willis, Robert Scott, B.Sc., 1922.
Willoughby, Joyce, B.A. Hons. Eng. I., 1924.
Willmott, Beatrice, B.A. Hons. Mod. Langs. II., 1928; Dip. Ed., 1929.
Wilman, Alice, B.Sc. Hons. Maths. II., 1925; Dip. Ed., 1926.
Wilman, Dorothy Margaret, B.Sc. Hons. Maths. II., 1929.
Wilman, John, LL.B., 1923.
Wilson, Albert Netherwood, B.A., 1929.
Wilson, Alick Esson, B.Sc. Hons. Chem. II., 1925.
Wilson, Arnold Vernon, B.Sc. Hons. Chem. II., 1924.
Wilson, Arthur Ernest, B.Sc. Hons. Geol. II, 1924; M.Sc., 1924; Dip. Ed., 1925.
Wilson, Beryl Kathleen, B.A. Hons. Mod. Langs. I., 1929.
Wilson, Charles Alfred, B.Sc., 1922.
Wilson, Charles Haddon, M.B., Ch.B. Hons. II., 1921.
Wilson, Colin, M.B., Ch.B. Hons. II., 1914.
Wilson, Elizabeth Jane (Mrs. Benson), B.A., 1919.
Wilson, Eric Fawcett, B.Sc. Hons. Maths. III., 1926; Dip. Ed., 1927.

Wilson, Ernest Percival, B.Sc. Hons. Chem. III., 1912 ; M.Sc., 1915.
Wilson, Florence, M.A., 1906.
Wilson, Florence Grey, B.A. Hons. Hist. II., 1906 ; M.A., 1908.
Wilson, Frances Annie, B.Sc., 1905.
Wilson, George William, M.A., 1905.
Wilson, Harriette Appleby, M.B., Ch.B., 1921 ; Dip. Psych. Mod., 1924
Wilson, Ian Stuart, B.Sc. Hons. Chem. I., 1925 ; M.Sc., 1925 ; Ph.D., 1927.
Wilson, John Harry, M.Sc., 1912 ; M.Ed., 1923.
Wilson, John Joseph, B.Sc. Hons. Physics II., 1916 ; M.Sc., 1917.
Wilson, Kathleen, M.B., Ch.B., 1921.
Wilson, Margaret Elizabeth, B.A., 1924.
Wilson, Maurice Lowell, B.Sc. Hons. Col. Chem. III., 1915 ; M.Sc., 1917.
Wilson, Muriel Ellen Elizabeth, B.A., 1919.
Wilson, Muriel Margaret (Mrs. G. H. Cowling), B.A. Hons. Mod. Langs. II., 1910 ; Dip. Ed., 1911.
Wilson, Mrs. (see McMillan Mary McWhirter).
Wilson, Mrs. (see Jackson, Marjorie Morison).
Wilson, Mrs. R. N. P. (see Clave, Aileen Needham).
Wilson, Nora Frances Mary, B.Sc., 1920.
Wilson, Norman, B.Sc., 1923.
Wilson, Otto Bob., B.Sc., 1913.
Wilson, Selina Ethel, B.A., 1905.
Wilson, Tom Hopwood, B.Sc. Hons. Geol. III., 1929.
Wilson, William Bernard, B.A., 1924.
Wilson, William Wyatt, B.A., 1921.
Wimpenny, Ronald Stenning, B.Sc. Hons. Zool. II., 1924 ; M.Sc., 1924.
Wimsey, Ada, B.A. Hons. Eng. II., 1921 ; Dip. Ed., 1922.
Winder, Norman Frederick, M.B., Ch.B., 1923.
Winhall, Thomas Llewellyn, B.A., 1928.
Winter, John Edgar, B.A., 1908.
Wise, Julia Stanton, B.Sc., 1905.
Wisely, Annie, B.Sc., 1921.
Wisely, Catherine Mary, B.A. Hons. French II., 1924 ; Dip. Ed., 1925.
Witney, Denis, B.Com. Hons. I., 1922.
Witty, John Robert, B.A., 1910.
Woffenden, Lettice May, B.Sc. Hons. Bot. II., 1920 ; M.Sc., 1920 ; Dip. Ed., 1925.
Woledge, Brian, B.A. Hons. Mod. Langs. I., 1926 ; M.A., 1928.
Woledge, Mildred, B.A. Hons. French II., 1928 ; Dip. Ed., 1929.
Woledge, Geoffrey, B.A. Hons. Eng. II., 1925.
Wolfe, Harold Maurice, B.Sc. Hons. Fuel and Met. II., 1915 ; M.Sc., 1915.
Wolstenholme, Clifford Marshall, B.Sc., 1928.
Wood, Bertram William Francis, M.B., Ch.B., 1912.
Wood, Doris, B.Sc., 1923 ; Dip. Ed., 1924.

Wood, George, B.Sc. Hons. Physics III., 1908; M.Sc., 1911.
Wood, George, B.Sc., 1912.
Wood, George Oliver, B.Sc. Hons. Col. Chem. I., 1920.
Wood, James Frederick Louis, B.Sc. Hons. Fuel and Met. II., 1924; M.Sc., 1924.
Wood, Jessie Graham (Mrs. Bruce), B.A., 1905.
Wood, Louis Albert, B.Sc. Hons. Chem. II., 1910.
Wood, Margaret (Mrs. Priestman), B.Sc., 1905.
Wood, Mary Freda, B.A. Hons. Hist. II., 1917; Dip. Ed., 1918.
Wood, Ronald, M.B., Ch.B., 1923.
Wood, Sarah Jane, B.Sc., 1918.
Woodall, Ethel Margaret, B.A. Hons. Hist. I., 1915.
Woodall, Herbert, B.Sc., 1923.
Woodcock, Hester Elizabeth de Carle, B.A. Hons. Mod. Langs. I., 1916; M.B., Ch.B., 1924.
Woodhead, Arthur Edmund, B.Sc. Hons. Col. Chem. I., 1908; M.Sc., 1909.
Woodhead, Edith, B.A. Hons. Hist. II., 1921.
Woodhead, Gertrude Ramsden, B.Sc., 1910.
Woodhead, Maurice, B.Sc. Hons. Chem. I., 1928.
Woodhead, Mrs. (see Bainbridge, Dorothy Mary).
Woodhead, William, B.Sc., 1929.
Woodhouse, Maurice Tanton, B.A., 1924; Dip. Ed., 1925; M.Ed., 1926.
Woodman, Herbert Ernest, B.Sc. Hons. Chem. I., 1911; D.Sc., 1921.
Woodman, Rowland Marcus, B.Sc. Hons. Chem. I., 1921; M.Sc., 1922.
Woodmansey, Arnold, B.Sc., 1909; M.Sc., 1919.
Woodroffe, David, B.Sc. Hons. Chem. I., 1913; Hons. Leather II., 1914; M.Sc., 1914.
Woodroffe, Frank Windham, B.Sc. Hons. Leather II., 1925; M.Sc., 1926.
Woodroofe, Edwin Royston, M.B., Ch.B., 1920.
Woodroofe, Percy Esmonde, M.B., Ch.B., 1922.
Woods, William Ernest, LL.B. Hons. III., 1926.
Woodward, Arthur, B.Sc., 1910.
Woodward, Ida, B.Sc., 1919.
Woolfenden, Ean Alan Whitehead, B.Sc. Hons. Chem. III., 1924; M.Sc., 1924; Dip. Ed., 1925.
Wormald, Alec. B.Sc. Hons. Col. Chem. III., 1927; Dip. Dyeing, 1927.
Wormald, Henry Rowland, B.A. Hons. Hist. II., 1927.
Wormald, Louis Percival, B.Sc. Hons. Zool. III., 1923.
Wormald, Mrs. (see Robinson, Ethel May).
Wormald, Stanley, B.A. Hons. Mod. Langs. II., 1922; M.A., 1924.
Wormall, Arthur, B.Sc., Hons. Chem. II., 1921; M.Sc., 1924.
Wormwell, Sarah Ethel (Mrs. Watson), B.A., 1918.
Worsnop, Edgar, B.A. Hons. Mod. Langs. II., 1910.
Worsnop, Edith, B.Sc., 1917; M.Sc., 1918

Worth, Dorothy, B.A., 1921.
Wortley, Ben Atkinson, LL.B., 1927; LL.B. Hons. I., 1928.
Wortz, Frederick Robert, B.A. Hons. Hist. I., 1909; M.A., 1914.
Wray, Arthur Alexander, B.Sc. Hons. Engrg. III., 1922; M.Sc., 1923.
Wray, Emma Marjorie, B.Sc. Hons. Bot. II., 1925; M.Sc., 1926; Dip. Ed., 1926.
Wray, John Lamport, B.Sc., 1912.
Wray, Marjorie Alicia, B.A. Hons. Geog III., 1929.
Wrigglesworth, Kathleen Mary, B.A. Hons. French II., 1926; Dip. Ed., 1927.
Wright, Alan, B.Sc., 1927.
Wright, Alan, Dip. Min. Engrg., 1924; B.Sc., 1925.
Wright, Alice, B.Sc. Hons. Bot. I., 1929.
Wright, Alice Isabel, B.Sc. Hons. Bot. II., 1929.
Wright, Beatrice Hilda, B.A., 1912; M.A., 1913.
Wright, Bertha Helen, B.A. Hons. Eng. II., 1911; Dip. Ed., 1912.
Wright, Charles, B.Sc., 1911.
Wright, Charles James, M.Sc., 1905 (*under Ordinance XIII.*).
Wright, Claude Ernest, B.A. Hons. Hist. II., 1914; M.A., 1916.
Wright, Ernest Francis, B.Sc., 1913.
Wright, Ernest Hotchin, B.A. Hons. Hist. III.,1922.
Wright, Ethel, B.A., 1924; Dip. Ed., 1925.
Wright, Fred, B.A. Hons. Econ. II., 1922; Dip. Ed., 1923; M.A., 1925.
Wright, Fred, B.Sc. Hons. Chem. II., 1913.
Wright, George, B.Com. Hons. II., 1925; M.Com., 1928.
Wright, Gladys, B.A., 1914; M.A., 1915.
Wright, John, M.B., Ch.B., 1914.
Wright, Mary Gould, B.A. Hons. French II., 1928; Dip. Ed., 1929
Wright, Rowland, B.A. Hons. Mod. Langs. II., 1922; Dip. Ed., 1923; M.A., 1927.
Wright, Stewart Lord, B.Sc., 1923.
Wrigley, Florence Mary (Mrs. Higgins), B.Sc., 1910.
Wrigley, George Kendall, B.A., 1922.
Wrigley, Isaac, B.A., 1905.
Wurzal, Joseph, LL.B., 1913.

Yablon, Ralph, LL.B., 1927.
Yarrow, John Noel, B.A., 1919.
Yates, Donald, M.B., Ch.B., 1924.
Yates, Donald Priestley, B.Sc., 1923.
Yates, Eric Peel, B.A. Hons. Mod. Langs. II., 1928; Dip. Ed., 1929.
Yeomans, Kenneth Jobson, B.A. Hons. Geog. II., 1922.
Young, Christopher Bertram, Dip. Dyeing, 1925; B.Sc. Hons. Col. Chem. III., 1926.

Zelenska, Lily Aurelia, B.Sc., 1908; Dip. Ed., 1909.
Zortman, Israel Hyman, B.Sc., 1905.

DIPLOMAS

[*Diplomas awarded to Graduates of Leeds University are inserted in the List of Graduates*].

Education

1907 Dunlop, Marian V.
1908 Thomas, S. H.
1910 Perham, Ethel K.
1912 Hooper, Dorothy
1913 Sykes, Florence M.
Walker, Dorothy
1914 Blamires, Florence M.
Boothroyd, Elsie
1915 Needham, Alice M.
1916 Ferraby, Margaret I. (Robinson, Mrs.)
1917 Dawes, Marjorie
Dawson, Esther M.
Nixon, Hilda
1918 Vincent, Janet L.
1919 Hellier, Agatha S.
Richeux, Muriel V. M.
1920 Wheatley, Winifred M.
1921 Berry, Florence A.
Halloran, Honora N.
1922 Gaukroger, Mildred A.
Thomson, Edith
Trenholme, Winifred
1923 Elsworth, Winifred
Huxley, Margaret A.
Potts, Annie E.
Silcock, T.
Steel, H. N.
Tilling, N.
Troughton, Emma P.
1924 Atkinson, Ada A.
Brunskill, Elizabeth
Hanks, H.
Oakes, Winifred
Seton, C. M.
1925 Batty, Elizabeth R.
Bebb, Alice L.
Butler, Margaret
Fletcher, Ethel
Fletcher, Evelyn
Freeman, Dorothy M.
Harvent, Doris M.
Holderness, A.
Jolliffe, Winifred
Kasturiraj, R.
Macleod, Jessie E.
Rhodes, Rowena B.
Sanderson, Monica C. E.
Sykes, Florence H.
Wailes, Elsie
1926 Brundrett, J.
Edge, J. A.
Gilchrist, Kathleen F.
Lewin, Dorothy
Nakavi, S. M. H.
Polkinghorne, Phyllis M.
Priestley, L. P.
Shann, Marie W.
Smith, Vera
Wilson, Edith
1927 Bedford, Mabel
Capes, Gwladys M.
Carter, Muriel
Chatervedi, H. S. D.
Craven, Muriel
Denton, Ethel
Dugdale, Marion
Garratt, Dorothy
Greenwood, Alice
Hardman, Sybil M.
Lee, Hermia
Martin, Ada
Richardson, F. R.
Schroeder, Mary
Shivdasani, V. J.
Stephenson, Hilda
Suleman, I. Y.
Taylor, Zillah
Turner, Sarah
Walker, W.
1928 Ahmed, S. S.
Brennan, Hannah
Foster, Muriel
Garforth, Emily
Goodall, Edith
Goodey, Phyllis A. A.

Goodyear, M.
Gupta, L. P.
Martin. Vera R.
Woodburn, Clarice T.

1929 Booth, Mabel K.
Chainani, P. W.
Hakim, M. A.
Hill, Dora.
Indiramma, Banzalore
Kazmi, A.
Kulkarni, R. A.
Middleton, T. F.
Rangachar, C. N.
Samadr, A.
Singh, R.
Stirk, S. D.
Sundara, S.
Yusufuddin, K. M.

Educational Administration

1927 Blewitt, A.
Bray, F.
Cottam, R.
Ellison, C.
Emmerson, L.
Grimshaw, S. E.
Hadfield, C. F.
Hall, A. E.
Henry, Gwendoline M.
Houghton, W.
Howe, W. E.
Lockwood, H.
Marshall, C.
Morrish, G. H.
Rawson, Hannah L. C.
Skirrow, H. W.
Slater, H.
Turl, C. W.
Varley, R. H.
Wildgoose, R.
Wragg, Ethel F.

Commerce

1904 Whiting, J. R.
1906 Potts, R. B.
1910 Barringer, R.
1914 Umanski, Esther E.
Wahab, A. M. A.
1921 Gupta, S. N.
1923 Behari, H. K.
Warren, Vera
1927 Catley, H. C.

Teachers of French

1907 Crowther, Jane E.
Woodman, Hilda

1908 Hawkes, G.
Holdsworth, Ethel
Lavington, Mabel J.
Lord, Mabel A.
Poustie, Jessie
Robinson, J.
Spink, Gertrude A.
Warren, F.

1909 Abbott, Constance M.
Best, Winifred J.
Cooke, Sarah G.
Hollom, Edith G.
Ife, Mary E.
Lingard, J. H.
Walker, Theodora M. H.

1910 Abbott, C. H.
Copland, Marjorie S.
Cromie, Eily K.

1911 Hutchinson, H. S.
Lochore, Beatrice
Riley, Sarah A.
Storr-Best, Gertrude M.
Ward, Edith
Young, Constance E.

1912 Castle, Clara J.
Edwardes, H. F. E.
Irwin, Gwendolen
Müllett-Ward, Annie
North, Kate V.
Whillier, Agnes
Wylde, Jessie I.
Young, A. B

1913 Bury, Jane E.
Dykes, Mary W.
Morrison, Jeannie
Sim, Alice M.
Tomlinson, Alice M.

1914 Rosewitch, Elfiera
Rowe, Annie J.
Walsh, Ethel M.
Ward, Clara M.

1920 Anderson, Alice R.
Fearnside, Marion C.
Kreling, C. J. M.
Mather, Ethel M.
Paget, Elsie D.
Wheatley, Winifred M.

1921 Hewitt, Margaret E.
Longton, Doris
O'Sullivan, Margaret R.
Quarrie, Edith M.
Turner, Lilian B.

1922 Hauskind, I.
Simms, Ellen

1923 Ingle, Elsa M.
Senior, Lucy

1924 Mitchell, Rose E.

1925 Jordan, Eleanor
Rush, Ethel L.

Teachers of German

1907 Oates, Ethel M.

1908 Ife, Mary E.

1911 Edwards, H. F. E.
Lingard, J. H.
Palmer, Margaret E.

1912 Bolton, Ethel A.
Jones, Anne E.

1913 Lochore, Beatrice
Werquin, C. L.
Whittaker, J.
Young, A. B.

1914 Hinckel, H.

1915 Addison, Muriel M.
Cox, Alice B.
Downsborough, E.
Oates, Jessie M.

1921 Holroyd, Henrietta

1923 Hauskind, I.

Diploma in Social Organisation and Public Service

1913 Dixon, W.
Dodgsun, Gladys F.
Fairweather, Frances E
Heppenstall, Florence
Parrish, Florence E.
Steinthal, Dorothea
(*with distinction*)
Sykes, Emily G.
(*with distinction*)

1914 Cohen, Mary
Collier, B. G. C.
Dodgson, Elsie M.
(*with distinction*)
Eliis, Margaret W.
Taylor, Gwendolen M. D.

1915 Umanski, Esther E.

1916 Wager, Alice M.

1918 Cridland, Dorothy
(*with distinction*)
Cridland, Ivy
(*with distinction*)
Fay, Rosetta M.
Owen, Annie E.
Pickering, Doris E.

1919 Johnson, Amy M.
(*with distinction*)
Proctor, L.
Pugh, Alice M.
Singleton, Maude
Whitaker, Amy R.

1920 Averdieck, Mabel
Burlingham, Winifred M. (*with distinction*)
Claybourn, H. Y.
Findlay, Ellen M.
Haslam, Edith M.
Laughton, Frances B. (*with distinction*)
Lister, Joan S.
Priestman, Madeline

1921 David, J. E.
Piercy, Marguerite

1922 Courtney, Dorothy F.

1923 Ledsham, Eileen R.
Walker, Ethel M. L. (*with distinction*)

1924 Hirst, Phyllis

1925 Lupton, Katharine C.
Miller-Jones, Monica
Robinson, Eva M.

1926 Beeforth, Gertrude B.
Bennett, Ella M.
Grant, Caroline E. M. R.
Liversidge, Doris M.
Ormerod, Rose
Roper, Anita M.
Turner, Mary D.
Walker, Evelyn M.

1927 Birch, Mildred

1928 Dawson, Irene V.
Dyson, Dorothea M.
Fraser, Charlotte
Hainsworth, Joyce
Newell, Lily P.
Robinson, Eileen M.
Scarth, Jean H.

Teachers of Geography

1922 German, G. A.
Henry, Gwendoline M.
Hislop, J. H.
Hudson, A.
Lupton, E. E.
Ogden, Dinah A.
Scoular, Agnes J. M.
Slater, O.
Toothill, J.

1923 Carrodus, A. J.
Dawson, Ethel M.
Harrison, E. J.
Holmes, Alice
Smith, F. W.
Twist, H.

1924 Wright, Dorothy K.

Mechanical Engineering

1905 Wharton, J.

1909 Tsing, M.

1911 Farnell, M.

1913 Clark, E. S.

1914 Mosby, S. W.

1915 Wray, F. G.

1919 Harwood, E.

1920 Pickard, G. D.
Seel, C.

1921 Gilchrist, J. A.
Haigh, A.
Stead, E. S.
Swallow, W.

1922 Blackburn, F.
Broadbent, H.
Crawford, A.
Hulme, H.
Laine, J.
Tillotson, A.
Whiteley, C.

1923 Alderson, L. A.
Blythe, G. E.
Coates, A. C.
Cooling, W.
Edwards, L. T.
Holdsworth, G. F.
Horne, H. N.
James, H.

Lipman, I.
Lowden, A. S.
McBurnie, R. S.
Mahon, W. S. I.
Moore, D. K. S.
Pearson, A. H.
Sellers, W.
Varley, H.
Woodhead, B.

1924 Bennett, H.
Harwood, A. H.
Jones, F. H.
Morgan, F.
Seel, J. W.

1925 Birds, H. I.
Harding, C.
Hardy, F. S.
Platt, J.
Wise, A. J. W.

1926 Catley, H. C.
Curry, C.
Jackson, P

1927 Atkinson, R.
Brown, J. R.
Caton, E. E.
Dain, H.
Marsh, F. B.
Richards, J. D.
Siddall, A.

1928 Cracknell, J. A.
Mahmoud, M. A.

1929 Farrer, G.

Civil Engineering

1908 Bauer, N.
1909 Hsu, H. Y.
1912 Foad, M.
Kerr, H.
1913 Clark, S. E.
Thorpe, H. S.
1914 Magid, A. A.
Mao, S. S.
1916 Liu, T. B.
1919 Glass, J. B.
1920 Kirk, W. A.
Wood, J. N.
1921 Brooksbank, A.
Drake, N.
Holmes, N. K.

1922 Goldthorp, A. R.
Martin, R. T.
Trye, C. B.

1923 Allderidge, C. G.
Anderson, J. A. D.
Gill, E.
Stead, G. E.

1924 Hunter, E. V.

1927 Kabeel, M.
Naovachamnira, M.
Kharbotly, M. K. El.

1929 Khanna, I. N.
Smith, L.

Electrical Engineering

1904 Foulds, J. R.
1905 Chippindale, I. M.
Hamilton, J.
1906 Richardson, T. B.
1909 Baldwin, E. V.
Humphreys, P. H. I.
Peam, F.
Pedley, F. L.
Sheard, P.
1913 Milner, G.
1914 Croft, E. H.

1921 Bannister, H.
Fry, E. R.
Ripley, R. V.

1922 Barker, E.
Clarke, H. R.
Cooper, W. F.
Crymble, C. F.
Hardy, G. G.
Pratt, A. S. R.
Sanderson, D. H. S.
Waite, J. S.

1923 Binns, J. W.
Elliot, C. B.
Hague, C. K. F.
Irving, L. J.
Robertson, P. W.
Symonds, J.

1925 Broadbent, R.
Hockney, T. R.
Myers, C.
Wray, J. A.
1927 Mahmoud, M. A.
1929 Matthews, R.

Coal Mining

1904 Frazer, E. H.
Paterson, G. S.
Willey, E.
1908 Holden, A. F.

1910 Kay, S. B.
Mawson, F.
1912 Gill, J.
1913 Campbell, R. C.

Mining Engineering

1917 Udom, N.
1920 Evers, N.
1921 Paterson, G. S.
1922 Berry, S.
Flint, D. W.
Law, J. N.
1923 Bose, A. K.
Das, J.

Jackson, E.
Mellor, F.
1925 Barker, R.
1926 Briers, J
Palmer, C. F.
1927 Chatterjee, D. P.
1928 Mukerjee, G. C.
Park, E. B.

Fuel and Metallurgy

1911 Walker, J.
1915 Kerr, H.

1924 Hellewell, H.

Gas Engineering

1911 Armstrong, P.
1920 Clucas, A. H.
1923 Owen, A. A. G.

1924 Tatham, F. C.
Wandless, A. M.
1925 Ferguson, F. C.
1928 Maxwell, R.

Textile Industries

1909 Cockroft, E. E.
Chattapadhaya, N. M.
1910 Lo, T. Y.
Meirielles, J. M. de A.
Wong, K. L.
Kelly, J.
1912 Bonhomme, J. R.
Crowley, F. H.
Dircks, H. D.
Krishna, R.
Saruvanov, D.
Turner, E.

1913 Ackroyd, J. H.
Borochin, D.
Clarke, G. W. S.
Craven, T. E.
Goodall, H.
Ireland, J. A.
McErval, W. A.
Siniscalco, A.
Smith, J. R.
Spencer, H.
1914 Baines, A. R.
Brodsky, M.
Healey, J. R.

1915 Baker, B. B.
Davison, E.
Kay, C. B.

1916 Balsaert, A. J. A.

1918 Saleh, I.

1919 Baily, B. X. C.
Bennett, J.
Chadwick, A. L.
Hardy, H.
Trimnell, F. W.

1920 Cook, R. F.
Cooper, R.
Hudson, E.
Wong, T. P.

1921 Collins, A. S. M.
Hainsworth, S. B.
Hoskins, H. W.
Lefeaux, K. O.
Lord, F.

1922 Allan, W. H.
Atkinson, F. H. D.
Barker, A. F. B.
Burton, C. R.
Gardner, S. W.
Holden, A. P. T.
Marsh, G. F.
Morfitt, D. H.
Nankivell, W. H.
Quickfall, P. H.
Russell, R.
Taylor, H. B.

1923 Balaram, A. C.
Devanayagam, A.
Goldberg, J.
Horsfall, H. S.
Ling, C. C.

1924 Jackson, T. G. B.
Link, P.
Lui, M. C.
Menzer, S.
Slocombe, B. G. B.
Sutcliffe, M.

1925 Barker, K. C.
Ghoneim, A. M.
Liu, L. H.

1926 Cookson, G. A.
Hassan, H. I.
Horner, A.
McKinstry, R. S.
Pontefract, J. H.
Salomon, G.

1927 Moe, W.

1928 Wilson, L. G.

1929 Barker, Mary B.

Dyeing

1906 Sen, G. C.

1907 Dawson, W.
Marchant, E. N.

1908 King, P. E.

1910 Viccajee, S. F.

1916 Jowett, H.

1919 Chang, T.
Saleh, I.

1921 Blakeley, E. S. J.
Bradley, D.
Ellingham, C. F.
Hill, G. G.
Leventhall, H.
Mann, W.
Thomson, A.
Wimberley, S. H.

1923 Clarke, D.
Cuthbert-Smith, A. G.
Hermes, W. R.
Ling, Z. T.
Liu, T. C.
Marr, W. Y.
Tsai, Y. C.
Whittles, T. G.
Wood, P. J.

1924 Barford, L. I.
Talbot, C. R.

1927 Clark, B. A.
Dyer, G. H.

1928 Sahasranam, A. R.

1929 Allen, R. L. M.
France, D.
Giles, C. H.

Colour Chemistry

1920 Mableson, G.
1921 *Ellingham, C. F.*
Hill, G. G.
1922 Mann, W.
1924 Barford, L. I.
1928 Dey, J. N.

Leather Manufacture

1904 Casaburi, V.
Doikawa, S.
Prévot, J. M.
1906 Feldheim, H. D. E.
Mende, S.
1907 Blyth, J. R.
Hardie, A. G.
1908 Fenner, J. H.
1909 Bose, S. N.
Ellis, L. E. K.
Sen, A. C.
1910 Coulthard, E.
1911 Dobson, J. S.
Rashid, M. A.
1912 Faizuddin, S.
Friestedt, S. H.
Hilton, F.
Uddin, S. M. A.
1913 Muckenhirn, F. C.
1915 Barber, C. F. L.
Djambezdis, G. A.
Wilson, J. A.
1916 Pickles, J. E.
1918 Sjoblom, M. E.
1921 Morrison, R. H.
Mukharjee, J. C.
Smith, T. A.
1922 Hirst, C. L.
Jowett, J.
Wainman, W. E.
1923 Kopecky, F.
Wilkins, E. C. F.
1924 Campos, J. M.
Galhano, J. M. B.
Graf, A. G.
1925 Akers, A. T.
1926 Crawshaw, M. B.
1927 Astrom, K. V. A.
Tao, Y. C.
1928 Dean, A. C.
Gardner, K. W.
Hutchinson, W.
1929 Heal, C. F.

Agriculture

1929 Hirst, H.
Withers, D. C.

Public Health

1906 Halliwell, T. O.
1907 Scatterty, W.
Sharpe, F. A.
Mason, H.
1909 Carnes, W.
Crake, H. M.
1910 Ashmore, P. W.
Hitchins, W. M.
Mason, J. H.
1911 Pickles, C. C.
1912 Chambers, G. O.
Dick, A.
Dobson, D. F.
Horne, H. F.
1913 Lyons, W. C.
1920 Smith, J.
Wolfe, H.
1921 Sykes, W. S.
Wells, H. J. G.
1922 Fleming, G. W.
Harris, Marjorie
1923 Maclean, Mabel M.
O'Neill, M. J.
1925 Pickup, J. C.
1926 Bates, H. T.

Dental Surgery

1909 Salt, C. F.
Wilson, F. C.
1910 Bentley, H. R.
McKay, G. S.
Howden, E.
1912 Rushton, I.
1913 Shoesmith, H. P.
1914 Gill, J. E.
1915 Fraser, A. L.
Rogerson, E. A.
Waddington, H. V.
1916 Waring, L.
1917 Macrae, J. M.
1919 Clubb, D. B.
Appleyard, Florence M.
1920 Davey, N. H.
Hill, W. S.
Knowles, C. R.
Senior, W. G.
Tiplady, H. N.
Webb, G. H.
1921 Colls, B. A.
Gisburn, A. E. (Senr.)
King, N. L.
Sutcliffe, J. W.
Temple, L.
Tomlinson, F. L.
Vallow, J. P. O.
1922 Brown, G. B.
Channon, G. C.
Chubb, A. D.
Craig, W. J. J.
Finlayson, R. M.
Hamer, J. H.
Murgatroyd, H.
Page, A. D.
Smith, T. E.
Syder, A.
Woods, M.
1923 Armitage, W.
Brewer, A.
Burn, S.
Cook, E.
Crossley, J. C.
Dinsdale, R. B. T.
Dunleavy, J.
Gordon, J.
Gisburn, A. E. (Junr.)
Jowett, S. H.
Knowles, Eleanor M.
Lake, F.
Lumb, W. H.
Maclean, W. S.
Orton, R.
Ramsden, T. H.
Ratcliffe, S. B.
Rayner, D. S.
Reid, G. B.
Sabine, C. S. W.
Shaw, H.
Slater, O.
Stapleton, H.
Sunderland, W.
Taylor, A. L.
1924 Chester, A. B.
Cristol, J.
Ellis, V. P.
Forth, A. R.
Griffiths, R. L.
Houston, Caroline S.
Levitt, H. L.
Lodge, M. S.
May, B.
Mortimer, A. B.
Moxon, A. G.
Moxon, J. N.
Palmer, E. K.
Richardson, F. H.
Sclare, Rachel
Sutcliffe, N. C.
Thomas, H. H.
Wells, J.
1925 Bickerdike, W.
Clegg, R. M.
Oliver, T. A.
Thornton, P. S.
West, A.
1926 Anning, Margaret B.
Balmforth, C. E. N.
Butler, R. E.
Cawdry, C. J.
Crooks, H. L.
Entwistle, A. R.
Galinsky, M.
Levy, S.
Manley, Margaret I.

Peel, J. L.
Purcell, E. C.
Richardson, D. B.
Salmon, A. R.
Skillington, H. C.
Swift, R. M.

1927 Cohen, A.
Gledhill, I.
Fielding, G.

Ramsden, D. C.
Southam, F. L.
Storr, D. R.
Thistlethwaite, J.
Tredgold, H. V. G.
Trustam, J. W.

1928 Bedford, W.
Taylor, B.
Woodcock, S. R.

Psychological Medicine

1912 Babington, Alice E. M.
Moyes, J. M.
Waldron, Ethel A.

1920 McGrath, M. J.
Russell, J. I.

1922 Ewing, C. W.
Kerr, F. A.

Macmillan, D. M.
Roe, G. C. F.

1924 Smyth, J. F.

1926 Paddle, K. C. L.
Russell, J.

1927 Montgomery, N. M.

1928 Bruce, D. K.

Nursing

1921 Innes, Euphemia S. (*honoris causa*)
Claye, Nora N.
Craven, Marjorie E.
Fleming, Gladys M.
Hebdon, Mary E. M.
Ryder, Kathleen T. E. (Mrs. Drake)

1922 Blakesley, Alfreda
Briggs, Elsie K.
Mitchell, Rose M
Oakes, Lois (*with distinction*)
Overton, Constantia
Salton, Margaret B.

1923 Carr, Marion A.
Clarke, Nellie P.
Grant, Lucy G. D. (*with distinction*)
Lodge, Phyllis M. (*with distinction*)
Snowden, Lillie

1924 Burke, Mathilde
Grossart, Helen F.
Milner, Eva
Powlson, Mary M.
Stock, Mabel
Thomson, Mary J. K.
Wilson, Frances M.

1925 Brown, Dame Sidney (*honoris causa*)
Rundle, Mary (*honoris causa*)
Escolme, Annie (*with distinction*)
Horsman, Bethina A.
Smyth, Alexandra S. (*with distinction*)

1926 Billequez, Kathleen M. A.
Bohlmann, Ida M.
Burns, Mary G.
Crawley, Ellen
Kaye, Florence E.
Lord, Bertha
Luke, Elizabeth H.
Nelson, Charlotte E.
Norminton, Elsie K.
Tither, Hilda
Whitehead, Bessie
Young, Margaret E.

1927 Kirk, Helen
Mawson, Florence M.
Snelson, Louie E.

1928 Eden, Alice.
Harrison, Kathleen V.
Jones, Mary E.

STATISTICS OF DEGREES AWARDED BY THE UNIVERSITY

(These tables do not include Honorary Degrees; the figures cover the period up to August 30th, 1929).

	B.A. Pass	B.A. Hons.	B.Sc. Pass	B.Sc. Hons.	B.Com. Pass	B.Com. Hons.	LL.B. Pass	LL.B. Hons.	M.B., Ch.B. Pass	M.B., Ch.B. Hons.	B.Ch.D.	M.A.	M.Sc.	M.Com.	LL.M.	M.Ed.	Ch.M.	Ph.D. Arts	Ph.D. Sci. & Tech.	Ph.D. Medicine	M.D.	LL.D.	Litt.D.	D.Sc.	Totals.
1905	65	5	116	13	..	..	3	..	49	..	..	7	39	..	..	..	..	..	..	..	3	..	..	5	305
1906	25	9	28	6	..	..	3	..	11	..	..	5	6	..	..	..	..	..	..	..	1	..	..	..	94
1907	12	7	18	13	..	..	1	..	4	..	..	16	19	..	..	..	..	..	..	..	..	..	..	3	93
1908	13	8	28	9	..	..	3	..	3	1	..	15	11	..	..	..	..	..	..	..	..	..	..	..	91
1909	9	11	17	18	..	..	3	..	2	3	..	9	8	..	..	..	..	..	..	..	..	..	..	1	81
1910	17	31	36	19	..	..	4	..	6	4	..	9	14	..	..	..	1	..	..	..	1	..	..	2	144
1911	30	25	26	12	..	..	2	..	10	5	..	8	21	..	..	..	..	..	..	..	1	..	..	..	140
1912	20	19	26	16	..	..	..	..	6	7	..	18	19	..	..	..	..	..	..	..	..	..	..	..	131
1913	31	14	23	19	..	..	2	..	5	2	..	18	13	..	..	..	..	..	..	..	..	..	..	2	129
1914	33	17	13	25	..	..	1	..	13	4	..	10	16	..	..	..	..	..	..	..	1	1	..	..	134
1915	21	23	21	12	..	..	4	..	7	2	..	12	19	..	..	..	..	..	..	..	2	..	1	1	125
1916	15	25	17	11	..	..	..	..	6	2	1	7	9	..	1	..	..	..	..	..	..	..	..	..	94
1917	30	20	9	3	..	..	..	..	12	4	..	6	10	..	..	..	..	..	..	..	1	..	..	1	96
1918	17	25	11	1	..	..	..	..	5	2	..	5	7	..	..	..	..	..	..	..	5	..	..	3	81
1919	28	23	20	7	..	..	3	..	6	..	..	9	12	..	..	..	..	..	..	..	2	..	1	..	111
1920	38	29	37	21	2	..	..	..	10	8	..	10	18	..	..	..	..	..	..	..	3	..	..	3	179
1921	31	52	50	50	1	..	..	..	21	12	1	15	29	..	..	1	..	..	1	..	2	..	1	3	270
1922	31	70	68	74	7	2	3	6	24	5	..	19	51	..	..	3	..	1	3	..	2	..	..	2	371
1923	20	55	59	81	6	5	4	5	24	8	1	15	57	..	..	6	..	2	2	..	3	..	2	..	355
1924	21	61	55	78	6	..	1	1	42	8	..	16	72	..	..	6	1	..	4	..	2	1	1	..	376
1925	15	70	47	85	3	2	6	4	46	8	..	12	72	..	1	4	1	2	4	..	6	..	..	5	393
1926	17	55	36	73	..	4	4	4	34	3	..	10	66	1	..	3	1	2	11	2	5	..	..	1	332
1927	13	61	38	56	3	1	9	4	25	8	..	20	19	1	1	11	..	..	14	..	3	..	..	..	287
1928	20	65	41	65	6	2	4	3	22	7	1	13	6	1	1	7	..	1	11	1	3	..	..	1	281
1929	25	67	37	79	3	3	9	8	4	..	..	11	12	1	1	4	..	..	6	..	1	..	..	2	273
Totals	597	847	877	846	37	19	69	35	397	103	4	295	625	4	5	45	4	8	56	3	47	2	6	35	4,966

B.A. HONOURS DEGREE. HONOURS SCHOOLS

	Classics.	English	French	German	Russian	Modern Languages	History	Philosophy	Economic and Political Science	Geography	Totals
1905	..	3	..	..	..	2	..	..	..	..	5
1906	5	..	..	..	..	3	1	..	..	..	9
1907	1	2	..	..	..	2	2	..	..	..	7
1908	2	1	..	..	..	2	2	1	..	..	8
1909	1	..	..	..	..	3	7	..	..	..	11
1910	6	5	..	..	..	12	8	..	..	..	31
1911	3	8	..	..	..	3	9	2	..	..	25
1912	2	5	..	..	..	4	8	..	..	..	19
1913	3	1	..	..	..	4	5	1	..	..	14
1914	1	1	..	..	..	6	7	2	..	..	17
1915	..	5	..	..	..	9	9	..	..	..	23
1916	3	9	..	..	..	3	8	1	1	..	25
1917	..	9	..	..	..	3	8	..	..	..	20
1918	1	8	..	..	..	8	8	..	..	..	25
1919	1	8	..	..	..	5	8	..	1	..	23
1920	1	4	..	..	..	8	15	1	..	..	29
1921	4	14	..	..	..	10	19	2	3	..	52
1922	1	24	..	..	..	15	23	2	4	1	70
1923	1	12	7	1	..	15	12	2	2	3	55
1924	..	24	7	..	..	8	19	..	..	3	61
1925	3	25	12	1	..	11	13	1	1	3	70
1926	1	14	8	..	1	7	20	..	..	4	55
1927	4	19	12	2	..	4	14	..	..	6	61
1928	1	13	13	1	..	7	23	2	1	4	65
1929	5	14	8	1	..	10	20	2	..	7	67
Totals	50	228	67	6	1	164	268	19	13	31	847

B.Sc. HONOURS DEGREE. HONOURS SCHOOLS

	Mathematics	Physics	Chemistry	Zoology	Botany	Physiology	Geology	Engineering	Electrical Engineering	Mining Engineering	Gas Engineering	Fuel and Metallurgy	Colour Chemistry	Leather	Agriculture	Agricultural Chemistry	Agricultural Botany	Agricultural Zoology	Agricultural Economics	General Honours	Totals
1905	1	1	7	..	1	1	..	2	..	..	..	..	..	..	..	..	..	..	..	..	13
1906	..	..	3	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	6
1907	2	2	3	..	..	1	..	1	2	..	..	..	2	..	..	..	..	..	..	..	13
1908	..	2	4	..	..	..	..	1	..	..	..	..	2	..	..	..	..	..	..	..	9
1909	1	2	6	..	1	..	2	3	2	1	..	..	..	..	..	..	..	..	..	..	18
1910	..	2	9	..	1	..	2	3	..	..	..	..	1	1	..	..	..	..	..	..	19
1911	..	1	6	..	..	..	1	2	..	..	..	..	2	..	..	..	..	..	..	..	12
1912	1	4	5	..	..	..	..	2	1	..	..	..	2	1	..	..	..	..	..	..	16
1913	..	2	9	..	2	..	..	2	2	..	..	..	1	1	..	..	..	..	..	..	19
1914	..	2	10	1	..	..	1	4	..	1	2	..	2	2	..	..	..	..	..	..	25
1915	..	1	4	1	..	..	..	1	..	..	..	1	2	2	..	..	..	..	..	..	12
1916	2	1	5	..	..	..	1	1	..	..	..	..	..	1	..	..	..	..	..	..	11
1917	..	..	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	3
1918	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
1919	..	..	..	..	..	4	..	3	..	..	..	..	..	..	..	..	..	..	..	..	7
1920	..	..	2	..	2	..	4	..	..	..	1	..	9	3	..	..	..	..	..	..	21
1921	..	1	10	1	3	4	2	6	5	..	2	..	12	4	..	..	..	..	..	..	50
1922	5	4	12	..	3	5	1	10	1	..	2	1	29	1	..	..	..	..	..	..	74
1923	5	1	26	2	9	4	1	4	1	..	..	2	24	2	..	..	..	..	..	..	81
1924	8	9	23	1	6	1	5	3	2	..	1	4	14	1	..	..	..	..	..	..	78
1925	15	3	30	1	10	1	2	2	3	1	..	..	16	1	..	..	..	..	..	..	85
1926	12	8	15	1	7	1	1	4	2	..	3	..	9	3	1	..	2	1	1	2	73
1927	5	6	13	1	9	2	3	4	4	..	2	..	6	..	..	..	..	..	..	1	56
1928	10	13	16	2	5	..	3	7	..	..	3	..	2	1	..	..	1	1	..	1	65
1929	12	14	9	4	11	5	7	5	2	..	2	..	4	1	1	..	1	..	1	..	79
Totals ..	79	79	228	15	70	30	39	72	27	3	18	8	139	25	2	..	4	2	2	4	846

STATISTICS OF DIPLOMAS AWARDED BY THE UNIVERSITY

(These tables do not include Honorary Diplomas; the figures cover the period up to August 30th, 1929).

	Education	Commerce	French Teachers'	German Teachers'	Social Orgn. and P.S.	Geography Teachers'	Mechanical Engineering	Civil Engineering	Electrical Engineering	Coal Mining	Mining Engineering	Fuel and Metallurgy	Gas Engineering	Textile Industries	Dyeing	Colour Chemistry	Leather Manufacture	Agriculture	Public Health	Dental Surgery	Psychological Medicine	Nursing	Educ. Adminis.	Totals
1904	..	1	..	..	..	..	..	..	1	3	..	..	..	..	..	..	3	..	..	..	..	..	..	8
1905	1	..	..	..	..	..	1	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4
1906	4	1	..	..	..	..	..	..	1	..	..	..	..	..	1	..	2	..	1	..	..	..	..	10
1907	6	..	2	1	..	..	..	..	..	..	..	..	..	..	2	..	3	..	3	..	..	..	..	17
1908	4	..	8	1	..	..	..	1	..	1	..	..	..	..	1	..	1	..	..	..	..	..	..	17
1909	8	..	8	..	..	..	1	1	5	..	..	..	..	2	1	..	5	..	2	2	..	..	..	35
1910	7	1	3	1	..	..	..	..	..	2	..	..	..	4	2	..	3	..	4	3	..	..	..	30
1911	4	..	6	3	..	..	1	..	..	..	..	1	1	..	1	..	2	..	2	..	..	..	..	21
1912	7	..	8	5	..	..	..	2	..	1	..	..	..	6	4	..	4	..	4	1	3	..	..	45
1913	5	..	5	4	7	..	1	2	1	1	..	..	..	10	1	..	1	..	1	1	1	..	..	41
1914	7	2	6	4	5	..	1	2	1	..	..	..	..	4	..	..	..	..	..	1	..	..	..	33
1915	6	..	..	5	1	..	1	..	..	..	..	1	..	3	..	..	3	..	..	3	..	..	..	23
1916	7	..	..	..	1	..	..	1	..	..	..	..	..	1	1	..	1	..	..	1	..	..	..	13
1917	6	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	8
1918	8	..	..	..	5	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	15
1919	7	..	..	..	5	..	1	1	..	..	..	..	..	5	2	..	..	..	..	2	..	..	..	23
1920	8	..	7	..	9	..	2	2	..	..	1	..	2	4	9	1	..	..	3	6	2	..	..	56
1921	9	1	5	3	2	..	4	3	3	..	1	..	1	5	19	2	3	..	4	7	..	5	..	77
1922	30	..	2	..	1	12	7	3	8	..	3	..	..	13	36	1	3	..	4	12	4	6	..	145
1923	67	2	2	1	2	12	17	4	6	..	4	..	2	5	20	..	3	..	5	25	..	5	..	182
1924	96	..	2	2	1	1	5	1	..	..	2	1	2	6	12	1	3	..	1	18	2	7	..	163
1925	123	..	2	..	3	..	5	1	4	..	1	..	3	4	12	..	1	..	1	5	..	3	..	168
1926	114	..	..	..	8	..	3	..	..	..	2	..	2	6	6	..	1	..	2	15	3	12	..	174
1927	115	1	..	..	1	..	9	4	1	..	1	..	3	1	5	..	2	..	..	9	1	3	24	180
1928	101	..	..	..	7	1	2	..	..	..	2	..	1	2	2	1	3	..	3	3	2	3	..	133
1929	98	..	..	..	..	..	1	2	1	..	..	..	..	1	6	..	1	2	..	..	..	..	..	112
Totals	848	9	66	30	58	26	62	30	34	8	18	3	17	83	143	6	49	2	40	115	18	44	24	1,733

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