

CALENDAR

OF THE

UNIVERSITY OF ADELAIDE

FOR THE YEAR

1912.

ADELAIDE  
W. K. THOMAS & Co., PRINTERS, GRENFELL STREET.

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1912

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## NOTICE.

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The undermentioned are published in separate volumes:—

1. Regulations, Details of Subjects, Examination Papers, and Examiners' Reports of the Public Examinations in General Education.
2. Regulations, Details of Subjects, and Examination Papers of the Public Examinations in Music.
3. Regulations and Details of Subjects of the B.A. and B.Sc. Degrees, and of the Diploma Courses in Applied Science.
4. Degree Examination Papers for 1911.

## P R E F A C E .

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THE UNIVERSITY OF ADELAIDE was established by Act of Parliament in the year 1874, and in the year 1881 Royal Letters Patent were issued by Her Majesty Queen Victoria declaring that the degrees granted by it should be recognised as academic distinctions and rewards of merit, and be entitled to rank, precedence, and consideration throughout the British Empire as if granted by any University in the United Kingdom.

The University owes its origin to the munificence and public spirit of the late Sir Walter Watson Hughes and Sir Thomas Elder, G.C.M.G., from each of whom a gift of £20,000 was received for this purpose. Further endowments were granted by Parliament, provision being made in the Act of Incorporation ("The Adelaide University Act, 1874") for an annual grant from the public revenues of a sum equal to five per cent. on the capital funds then or afterwards to be possessed by the University, but not exceeding in any one year the sum of £10,000. Under the authority of the same Act an endowment in land of 50,000 acres and a grant of five acres in the City of Adelaide as a site for the University buildings were provided for.

The University grants degrees in Arts, Science, Law, Medicine and Music, and Diplomas in Commerce, Music, and in various branches of Applied Science.

It was the first University in Australia to provide for the granting of degrees to women, as authorised by Act of Parliament in 1880, and for the granting of Degrees in Science.

At first the Professorships founded in the University were four in number, their subjects being the following: (1) Classics and Comparative Philology and Literature, (2) English Language and Literature, Mental and Moral Philosophy, (3) Mathematics, and (4) Natural Science. The first and second were established in accordance with the terms of Sir Walter Watson Hughes' donation, and bear his name; the third and fourth bear in the same way the name of Sir Thomas Elder.

The academical work of the University was commenced in March, 1876, the number of matriculated students being 8, and of non-graduating students attending lectures 52. The foundation stone of the University buildings was laid by his Excellency Major-General Sir W. F. D. Jervois on July 30th, 1879, and the buildings were opened by him in April, 1882. Their total cost, including that of subsequent additions, was about £38,000.

In 1883 Sir Thomas Elder made to the University a second gift, amounting to £10,000, for the foundation of a School of Medicine. The University Council thereupon established a Chair of Anatomy and a Lectureship in Physiology, and made further provision for the first two years of the medical course. In 1886 arrangements were completed for a complete medical curriculum. In 1884 the Hon. J. H. Angas, M.L.C., gave £6,000 for the endowment of a Chair of Chemistry, and in the following year the first Angas Professor of Chemistry was appointed. The Chair of Music was established in 1884 and a Professor of Music appointed. This chair had no special endowment, but through the efforts of His Excellency Sir W. C. F. Robinson, was supported for the first five years by voluntary subscriptions from the public, amounting to £530 per annum, of which sum Sir Thomas Elder contributed £300 yearly. In 1890 the Council established a Professorship of Law in place of the Lectureship in Law which had existed since 1883.

In 1878 the Hon. J. H. Angas gave £4,000 to provide for Scholarships to encourage the training of scientific men, and especially civil engineers, with a view to their settlement in South Australia.

In 1908 a bequest of £2,000 from the late Mr. David Murray, and an endowment of £1,000 from Mr. G. J. R. Murray, K.C., B.A., LL.M., for Scholarships, were received.

Since 1892 Robert Barr Smith, Esquire, presented to the University £9,000 for the purposes of the Library. The Library now, in consequence of the large additions rendered possible by these gifts, contains over 24,000 volumes.

Sir Thomas Elder died in 1897, bequeathing to the University the sum of £65,000, his total gifts to the Institution, amounting from first to last to nearly £100,000. By the terms

of his will the bequest was apportioned in the following manner, namely, £20,000 to the School of Medicine and £20,000 to the School of Music, while the residue was left available for the general purposes of the University. An Elder Conservatorium of Music was accordingly established in 1898, in which instruction is given in all branches of musical education. The foundation-stone of the Conservatorium building was laid by His Excellency Sir Thomas Fowell Buxton on September 26th, 1898. The Conservatorium Building, which contains a large public hall and an admirable suite of class-rooms for instruction in music was completed in February, 1900, and formally declared open by His Excellency Lord Tennyson on the 26th September of that year.

In consequence of the large increase in the number of students and the necessity for increased accommodation for the Engineering and Science Schools, a large suite of rooms was built during the year 1901. The foundation-stone of the new building was laid by His Royal Highness the Duke of Cornwall and York on the 11th July, 1901. With his consent the new wing is called the Prince of Wales Buildings. It contains extensive Chemical and Engineering Laboratories and a Lecture Theatre, with seating accommodation for 300 students.

For several years the equipment and accommodation of the Medical Laboratories were very severely taxed. In order to provide adequate provision for the increasing number of medical students, new buildings at a cost of £5,814 were erected. His Excellency Lord Tennyson laid the foundation-stone on the 14th July, 1902, and the buildings were completed in time for the beginning of the academical year 1903.

In 1898 the Council was enabled, by means of Sir Thomas Elder's bequest, to make arrangements for a post-graduate course in Mining Engineering and Metallurgy, and for the granting of a Diploma in these subjects. These Regulations have, however, been repealed, as in March, 1903, the Council of the University concluded an agreement with the Council of the South Australian School of Mines and Industries, under which the two Institutions shall in future combine, to some extent, their teaching powers and their laboratories for the purpose of providing courses of instruction in Mining Engineering, Metallurgy, Mechanical Engineering,

and Electrical Engineering. The University and the School of Mines, acting in concert, hold examinations and grant Diplomas in various branches of Applied Science. It is expected that this agreement will conduce to greater efficiency as well as to economy, and that the courses for the Diploma in Applied Science will rank with those of the best Institutions in other parts of the Empire.

In addition, the Council was enabled to offer greater facilities for the education of teachers of the State Schools, and the bonds between the University and the Education Department have been drawn closer by the fact that the Training College for Public School Teachers has practically been transferred to the University, which now provides for students in training, without fee, lectures in all but the professional, or practical, subjects of their work.

The University is governed by a Council of twenty members elected by the Senate. The Senate consists of all graduates of the degree of Master or Doctor and of all other graduates of three years' standing. All Statutes and Regulations must be passed both by the Council and by the Senate and approved by the Governor. The Senate was constituted in 1877, there being at that date at least 50 qualified graduates, the minimum number required by the Act of Incorporation.

The number of graduates admitted by examination since the establishment of the University is 612, and number admitted *ad eundem gradum*, 283. The number of undergraduates in the year 1911 was 365, and of non-graduating students, 277, exclusive of those studying at the Elder Conservatorium, of whom in 1911 there were 278. The teaching staff of the University comprises 10 Professors and 30 Lecturers, and that of the Elder Conservatorium 11 Teachers.

Facilities for University Examinations have been extended to the country, and local centres with permanent Committees have been formed for the various Public Examinations at some 40 local centres, and also at Broken Hill, Perth, Kalgoorlie and Albany. Extension Lectures are also given at various country centres as well as at the University.

1912.

JANUARY XXXI.

—	<b>S</b>	New Year's Day. Commonwealth inaugurated, 1901.
1	<b>M</b>	
2	<b>TU</b>	
3	<b>W</b>	
4	<b>TH</b>	
5	<b>F</b>	
6	<b>S</b>	
7	<b>S</b>	
8	<b>M</b>	
9	<b>TU</b>	
10	<b>W</b>	
11	<b>TH</b>	
12	<b>F</b>	
13	<b>S</b>	
14	<b>S</b>	Education Committee meet.
15	<b>M</b>	
16	<b>TU</b>	
17	<b>W</b>	
18	<b>TH</b>	
19	<b>F</b>	
20	<b>S</b>	
21	<b>S</b>	Finance Committee meet. Council Meeting.
22	<b>M</b>	
23	<b>TU</b>	
24	<b>W</b>	
25	<b>TH</b>	
26	<b>F</b>	
27	<b>S</b>	
28	<b>S</b>	Foundation of Australia, 1788. Public Holiday.
29	<b>M</b>	
30	<b>TU</b>	
31	<b>W</b>	

## FEBRUARY XXIX.

1912.

1	TH	Medical Students begin work at Adelaide Hospital.
2	F	
3	S	
4	S	
5	M	
6	TU	
7	W	
8	TH	
9	F	
10	S	
11	S	Last day of entry for LL.B., Supplementary Degree, and Special Senior Public Examinations, to be held in March.
12	M	
13	TU	Education Committee meet.
14	W	
15	TH	
16	F	
17	S	
18	S	Finance Committee meet. Council Meeting.
19	M	
20	TU	
21	W	
22	TH	
23	F	
24	S	
25	S	Conservatorium First Term begins.
26	M	
27	TU	Last day of entry for Evening Studentships.
28	W	
29	TH	
<p><b>NOTE.</b> School of Mines First Term begins February</p>		

1912.

MARCH XXXI.

1	F	
2	S	
3	S	
4	M	
5	TU	
6	W	
7	TH	
8	F	
9	S	
10	S	
11	M	Long vacation ends.
12	TU	First Term begins. LL.B., Supplementary Degree, and Special Senior Public Examinations begin.
13	W	
14	TH	
15	F	
16	S	Last day for sending to Clerk notices of motion for meeting of Senate on March 27th.
17	S	
18	M	Lectures begin.
19	TU	
20	W	
21	TH	
22	F	Education Committee meet.
23	S	
24	S	
25	M	
26	TU	
27	W	Senate Meeting.
28	TH	Finance Committee meet.
29	F	Council Meeting.
30	S	
31	S	

## APRIL XXX.

1912.

1	M	Last day of entry for Public Examinations in Theory and Practice of Music, to be held in May. Last day for sending in compositions for the Mus. Doc. Degree. Good Friday. Easter recess begins.
2	TU	
3	W	
4	TH	
5	F	
6	S	
7	S	Easter Day.
8	M	Easter Monday.
9	TU	Easter recess ends.
10	W	Lectures resumed.
11	TH	
12	F	
13	S	
14	S	
15	M	
16	TU	
17	W	
18	TH	
19	F	Education Committee meet.
20	S	
21	S	
22	M	
23	TU	
24	W	
25	TH	Finance Committee meet.
26	F	Council Meeting.
27	S	Conservatorium First Term ends.
28	S	
29	M	
30	TU	

1912.

MAY XXXI.

1	W	Examinations in Theory of Music begin.
2	TH	
3	F	
4	S	
5	S	Public Holiday (Accession of King George V. Celebration). Conservatorium Second Term begins.
6	M	
7	TU	
8	W	
9	TH	
10	F	
11	S	
12	S	First Term and Lectures end.
13	M	
14	TU	
15	W	
16	TH	
17	F	
18	S	
19	S	Education Committee meet.
20	M	
21	TU	
22	W	
23	TH	
24	F	
25	S	
26	S	Finance Committee meet. Council Meeting.
27	M	
28	TU	
29	W	
30	TH	
31	F	

JUNE XXX.		1912.
1	<b>S</b>	
2	<b>S</b>	Second Term begins.      Public Holiday. King George born, 1865. Lectures resumed.
3	<b>M</b>	
4	<b>TU</b>	
5	<b>W</b>	
6	<b>TH</b>	
7	<b>F</b>	
8	<b>S</b>	
9	<b>S</b>	
10	<b>M</b>	
11	<b>TU</b>	
12	<b>W</b>	
13	<b>TH</b>	
14	<b>F</b>	
15	<b>S</b>	
16	<b>S</b>	
17	<b>M</b>	
18	<b>TU</b>	
19	<b>W</b>	
20	<b>TH</b>	
21	<b>F</b>	
22	<b>S</b>	
23	<b>S</b>	Prince of Wales born, 1894. Public Holiday.
24	<b>M</b>	
25	<b>TU</b>	Finance Committee meet. Council Meeting.
26	<b>W</b>	
27	<b>TH</b>	
28	<b>F</b>	
29	<b>S</b>	
30	<b>S</b>	

1912.

JULY XXXI.

1	M	Last day of entry for the M.D. and M.S. Examinations to be held in November.
2	TU	
3	W	
4	TH	
5	F	
6	S	
7	S	Last day of entry for the Primary Public Examination to be held in August.
8	M	
9	TU	
10	W	
11	TH	
12	F	
13	S	Last day for sending to Clerk notices of motion for Senate Meeting on July 24th.
14	S	Conservatorium Third Term begins.
15	M	
16	TU	
17	W	
18	TH	
19	F	
20	S	Education Committee meet.
21	S	Senate Meeting. Finance Committee meet. Council Meeting.
22	M	
23	TU	
24	W	
25	TH	
26	F	
27	S	
28	S	
29	M	
30	TU	
31	W	

## AUGUST XXXI.

1912.

1	TH	
2	F	
3	S	
4	S	
5	M	Examination for the Degree of Doctor of Music begins.
6	TU	
7	W	Last day of entry for the Examinations in Theory and Practice of Music, to be held in September.
8	TH	
9	F	
10	S	
11	S	
12	M	
13	TU	
14	W	
15	TH	
16	F	Second Term and Lectures end.
17	S	
18	S	
19	M	Conservatorium Vacation this week.
20	TU	Primary Public Examination begins.
21	W	
22	TH	
23	F	Education Committee meet.
24	S	
25	S	
26	M	
27	TU	
28	W	
29	TH	Finance Committee meet.
30	F	Council Meeting.
31	S	

1912.

SEPTEMBER XXX.

1	<b>S</b>	Third Term begins. Lectures resumed.
2	<b>M</b>	
3	<b>TU</b>	
4	<b>W</b>	
5	<b>TH</b>	
6	<b>F</b>	
7	<b>S</b>	
8	<b>S</b>	Examinations in Theory of Music begin.
9	<b>M</b>	
10	<b>TU</b>	
11	<b>W</b>	
12	<b>TH</b>	
13	<b>F</b>	
14	<b>S</b>	
15	<b>S</b>	Education Committee meet. Conservatorium Third Term ends.
16	<b>M</b>	
17	<b>TU</b>	
18	<b>W</b>	
19	<b>TH</b>	
20	<b>F</b>	
21	<b>S</b>	
22	<b>S</b>	Finance Committee meet. Council Meeting.
23	<b>M</b>	
24	<b>TU</b>	
25	<b>W</b>	
26	<b>TH</b>	
27	<b>F</b>	
28	<b>S</b>	
29	<b>S</b>	Conservatorium Fourth Term begins. Last day for sending in compositions for the Mus. Bac. Degree, and Thesis for the M.A. Honours Degree.
30	<b>M</b>	

OCTOBER XXXI.		1912.
1	TU	Last day of entry for the Junior, Senior, and Higher Public, for the Junior and Senior Commercial, and for the Angas Engineering Exhibition Examinations, to be held in November. Meeting of University to elect representatives on the Board of Governors of the Public Library, &c.
2	W	
3	TH	
4	F	
5	S	
6	S	Last day of entry for Degree and Diploma Examinations, to be held in November. Public Holiday (Eight Hours Day).
7	M	
8	TU	
9	W	
10	TH	
11	F	
12	S	
13	S	Education Committee meet.
14	M	
15	TU	
16	W	
17	TH	
18	F	
19	S	
20	S	Finance Committee meet. Lectures end. Council Meeting.
21	M	
22	TU	
23	W	
24	TH	
25	F	
26	S	
27	S	
28	M	
29	TU	
30	W	
31	TH	

1912.

NOVEMBER XXX.

1	F		
2	S		
3	S	Degree and Diploma Examinations begin. Examinations for Associate in Music, Conservatorium Prizes, etc., begin.	
4	M		
5	TU		
6	W		
7	TH		
8	F		
9	S		
10	S		Public Examinations and Angas Engineering Exhibition Examination begin.
11	M		
12	TU		
13	W		
14	TH		
15	F		
16	S	Last day for sending to Clerk of Senate nominations of candidates for annual vacancies in the Council, for the offices of Warden and Clerk, and notices of motion for Senate Meeting on November 27th.	
17	S	Education Committee meet.	
18	M		
19	TU		
20	W		
21	TH		
22	F		
23	S		
24	S	Senate meeting. Election of Warden and Clerk and of members of Council. Finance Committee meet. Council Meeting.	
25	M		
26	TU		
27	W		
28	TH		
29	F		
30	S		

DECEMBER XXXI.		1912.
1	S	
2	M	
3	TU	
4	W	
5	TH	
6	F	Education Committee meet.
7	S	Conservatorium Fourth Term ends.
8	S	
9	M	
10	TU	Third Term ends.
11	W	
12	TH	Finance Committee meet.
13	F	Council Meeting.
14	S	
15	S	
16	M	
17	TU	
18	W	
19	TH	
20	F	
21	S	
22	S	
23	M	
24	TU	
25	W	Christmas Day.
26	TH	
27	F	
28	S	Anniversary of Proclamation of South Australia, 1836
29	S	
30	M	
31	TU	

# The University of Adelaide.

1912.

## Visitor.

HIS EXCELLENCY THE GOVERNOR.

## Chancellor.

THE RIGHT HON. SIR SAMUEL JAMES WAY, Bart., P.C., D.C.L., LL.D.,  
Lieutenant-Governor and Chief Justice of South Australia. Elected, for the  
seventh time, 26th January, 1912.

## Vice-Chancellor.

WILLIAM BARLOW, B.A., LL.D. Elected, for the fifth time, November 25th,  
1910.

## The Council.

THE CHANCELLOR. Appointed a member by the Governor in 1874.

THE VICE-CHANCELLOR. A member since 1882. Date of last election, 23rd No-  
vember, 1910.

HON. GEORGE BROOKMAN. A member since 1901. Date of last election,  
24th November, 1909.

FREDERIC CHAPPLE, B.A., B.Sc. (Warden of the Senate). A member since 1897.  
Date of last election, 24th November, 1909.

PROFESSOR JOHN MATTHEW ENNIS, MUS. DOC. A member since 1903. Date  
of last election, 23rd November, 1910.

JAMES RICHARD FOWLER, M.A. A member since 1901. Date of last election,  
24th November, 1909.

REV. HENRY GIRDLESTONE, M.A. A member since 1901. Date of last election,  
24th November, 1909.

WILLIAM THORNBOROUGH HAYWARD, M.R.C.S. A member since 1900. Date  
of last election, 25th November, 1908.

WILLIAM JAMES ISBISTER, LL.B. A member since 1905. Date of last election,  
24th November, 1909.

SAMUEL JOSHUA JACOBS, J. P. A member since 1903. Date of last election, 22nd  
November, 1911.

REV. JAMES JEFFERIS, LL.D. A member since 1885. Date of last election, 23rd  
November, 1910.

PROFESSOR WILLIAM LOWRIE, M.A., Elected 22nd November, 1911.

PROFESSOR WILLIAM MITCHELL, M.A., D.Sc. A member since 1896. Date of  
last election, 22nd November, 1911

GEORGE JOHN ROBERT MURRAY, K.C., B.A., LL.M. A member since 1891  
Date of last election, 25th November, 1908.

BENJAMIN POULTON, M.D. A member since 1899. Date of last election, 23rd No-  
vember, 1910.

PROFESSOR EDWARD HENRY RENNIE, M.A., D.Sc., Elected 1889; resigned  
1898; again elected 24th November, 1909.

ROBERT BARR SMITH. A member since 1896. Date of last election, 22nd Novem-  
ber, 1911

SYDNEY TALBOT SMITH, M.A., LL.B. A member since 1903. Date of last elec-  
tion, 22nd November, 1911.

PROFESSOR EDWARD CHARLES STIRLING, C.M.G., M.A., M.D., D.Sc., F.R.S.  
F.R.C.S. A member since 1881. Date of last election, 25th November, 1908.

ALFRED WILLIAMS. A member since 1907. Date of last election, 23rd November  
1910.

FREDERICK WILLIAM YOUNG, M.P., LL.B. Elected 23rd March, 1910.

Appointed by Parliament—December, 1911—

HON. SIR J. L. STIRLING, K.C.M.G., LL.B., P.C.

HON. J. J. DUNCAN, M.L.C.

HON. F. W. CONEYBEER, M.P., Minister of Education.

S. B. RUDALL, M.P.

W. SENIOR, M.P.

**The Senate.**

CONSISTING OF ALL MASTERS OF ARTS, MASTERS OF SURGERY, DOCTORS OF MEDICINE, DOCTORS OF LAWS, DOCTORS OF SCIENCE, AND DOCTORS OF MUSIC, AND OF ALL OTHER GRADUATES OF THREE YEARS' STANDING.

WARDEN—FREDERIC CHAPPLE, B.A., B.Sc.

CLERK—THOMAS AINSLIE CATERER, B.A.

*FORMER OFFICERS OF THE UNIVERSITY.***Chancellors.**

SIR RICHARD DAVIES HANSON, CHIEF JUSTICE OF SOUTH AUSTRALIA  
Appointed 1874. Died 1876.

THE RIGHT REV. AUGUSTUS SHORT, D.D., BISHOP OF ADELAIDE. Appointed  
1876. Resigned 1883.

**Vice-Chancellors.**

THE RIGHT REV. AUGUSTUS SHORT, D.D., BISHOP OF ADELAIDE. Appointed  
1874. Elected Chancellor 1876.

THE RIGHT HON. SIR SAMUEL JAMES WAY, BART., P.C, D.C.L., LL.D., CHIEF  
JUSTICE OF SOUTH AUSTRALIA. Appointed 1876. Elected Chancellor 1883.

THE REV. WILLIAM ROBY FLETCHER, M.A. Appointed 1883. Died 1894.

THE VENERABLE CANON FARR, M.A., LL.D. Appointed 1887.

JOHN ANDERSON HARTLEY, B.A., B.Sc., INSPECTOR-GENERAL OF SCHOOLS.  
Appointed 1893. Died 1896.

**Wardens of the Senate.**

WILLIAM GOSSE, M.D. Elected 1877. Died 1883.

THE VENERABLE CANON FARR, M.A., LL.D. Elected 1880.

**Former Treasurer.**

THE HON. SIR HENRY AYERS, G.C.M.G. 1874-1882

The finances have since been managed by a Committee on a system prepared by the Treasurer.

**PROFESSORS AND LECTURERS.**

---

**Classics and Comparative Philology and Literature.***The Hughes Professor :*

HENRY DARNLEY NAYLOR, M.A. (Camb.) Appointed 1907.

*Assistant Lecturer :*

DAVID HENRY HOLLIDGE, M.A.

**Philosophy and Economics.***The Hughes Professor :*

WILLIAM MITCHELL, M.A., D.Sc (Edin.) Appointed 1894.

**Modern History and English Language and Literature.***Professor :*

GEORGE COCKBURN HENDERSON, M.A. (Oxford). Appointed 1902

**Education.***Lecturer :*

ADOLF JOHN SCHULZ, Ph.D. (Zürich), M.A. (Adel).

**Mathematics and Mechanics.***The Elder Professor :*

ROBERT WILLIAM CHAPMAN, M.A., B.C.E. (Melb.) Appointed Lecturer in 1889; Professor of Engineering, 1907; Professor of Mathematics and Mechanics in 1910.

*Lecturer on Mining Engineering :*

HERBERT WILLIAM GARTRELL, B.A., B.Sc. (Adel.); M.A. (Columbia). Appointed 1910.

**Physics.***Professor :*

KERR GRANT, M.Sc. (Melb.)  
Acting Professor 1909-10; appointed Professor 1911.

*Lecturer on Electric Engineering :*

EDWARD VINCENT CLARK, B.Sc. Appointed 1910.

**Geology and Mineralogy.***Lecturer on Geology and Palaeontology :*

WALTER HOWCHIN, F.G.S. Appointed 1902

*Lecturer on Mineralogy and Petrology :*

DOUGLAS MAWSON, B.E., B.Sc. (Syd.), D.Sc. (Adel.)' Appointed 1905.

**Anatomy.***The Elder Professor :*ARCHIBALD WATSON, M.D. (Paris and Göttingen), F.R.C.S.  
Appointed 1885.**Physiology.***Professor :*EDWARD CHARLES STIRLING, C.M.G., M.A., M.D. (Camb. and Melb.)  
D.Sc. (Camb.), F.R.S., F.R.C.S. Appointed Lecturer, 1882, Professor  
in 1900.*Demonstrator in Physiology and Lecturer on the Elements of Biology:*

WILLIAM FULLER.

**Chemistry.***The Gas Professor :*EDWARD HENRY RENNIE, M.A. (Syd.), D.Sc. (Lond. and Melb.)  
Appointed 1884.*Lecturer :*

WILLIAM TERNENT COOKE, D.Sc. Appointed 1906.

**Botany.***Lecturer :*

ELLEN IDA BENHAM, B.Sc.

**Law.***Professor :*WILLIAM JETHRO BROWN, LL.D. (Camb.), D.Litt. (Dub.) Appointed  
1906.*Lecturer on the Law of Evidence and Procedure :*FREDERICK AUGUSTUS D'ARENBERG, M.A. (Dub.) Barrister-at-  
Law. (Appointed 1897.)*Lecturer on the Law of Contracts and Commercial Law :*

PERCY EMERSON JOHNSTONE, B.A., LL.B.

*Lecturer on the Law of Property :*

EDWARD WARNER BENHAM, LL.B.

*Lecturer on the Law of Wrongs :*

THOMAS SLANEY POOLE, M.A. (Melb.)

**Music.***The Elder Professor :*

JOHN MATTHEW ENNIS, Mus. Doc. (Lond.) Appointed 1902.

**Commerce.***The Professor of Economics.**Lecturer on Accountancy and Business Practice :*

BAZETT DAVID COLVIN, M.A. (Camb.)

*Lecturer on Commercial Law :*

PERCY EMERSON JOHNSTONE, B.A., LL.B.

*Lecturer on Banking and Exchange :*

WILLIAM NEILL.

*Lecturer on Commercial Geography and Technology :*

ROBERT JOHN MILLER CLUCAS, B.A.

**Medicine and Surgery.***The Professors of Anatomy and Physiology.**Lecturer on Pathology :*WENTWORTH ROWLAND CAVENAGH-MAINWARING M.B., B.S.  
F.R.C.S.*Lecturer on Bacteriology :*

THOMAS BORTHWICK, M.D. (Edin.)

*Lecturer on the Principles and Practice of Medicine and Therapeutics :*

JOSEPH COOKE VERCO, M.D. (Lond.), F.R.C.S.

*Lecturer on Materia Medica and Therapeutics :*

WILLIAM THORNBOROUGH HAYWARD, M.R.C.S.

*Lecturer on the Principles and Practice of Surgery :*

BENJAMIN POULTON, M.D., Ch.B. (Melb.), M.R.C.S.

*Lecturer on Clinical Medicine :*

WILLIAM THORNBOROUGH HAYWARD, M.R.C.S.

*Lecturer on Clinical Surgery :*

ARTHUR MURRAY CUDMORE, M.B., B.S., F.R.C.S.

*The Dr. Edward Willis Way Lecturer on Gynaecology :*JAMES ALEXANDER GREER HAMILTON, B.A., M.B. (Dub.)  
Appointed 1901.*Lecturer on Obstetrics and Diseases of Children :*

ALFRED AUSTIN LENDON, M.D., (Lond.)

*The Dr. Charles Gosse Lecturer on Ophthalmic Surgery :*

ALEXANDER MATHESON MORGAN, M.B., B.S. Appointed 1910

*Lecturer on Aural Surgery :*

GEORGE ALFRED FISCHER, B.A., M.B., B.S.

*Lecturer on Forensic Medicine :*CHARLES HENRY REISSMANN, M.A., M.D., Ch.B. (Cantab.),  
M.R.C.P. Appointed 1912.

*Lecturer on Lunacy :*

MICHAEL HENRY DOWNEY, M.B., B.S. Appointed 1912.

*Lecturer on Practical Pathology and Histology :*

CONSTANTINE T. C. DE CRESPIGNY, M.D., B.S. (Melb.) Appointed 1911.

*Clinical Lecturer on the Medical Diseases of Children :*

HARRY SWIFT, M.D.

*Clinical Lecturer on the Surgical Diseases of Children :*

HENRY SIMPSON NEWLAND, M.B., M.S.

**TUTORS.***Medicine :*

CHARLES HENRY REISSMANN, M.D., M.R.C.P.

*Surgery :*

W. R. CAVENAGH-MAINWARING, M.B., B.S., F.R.C.S.

*Obstetrics :*

T. G. WILSON, M.D., Ch.M. (Sydney), F.R.C.S. (Edin.).

**FORMER PROFESSORS.****Classics**

REV. HENRY READ, M.A. (Camb.). 1874—1878.

DAVID FREDERICK KELLY, M.A. (Camb.). 1878—1894.

EDWARD VAUGHAN BOULGER, M.A., D.Litt. (Dublin). 1894.

EDWARD VON BLOMBERG BENSLEY, M.A. (Camb.). 1895—1905.

**English Language and Literature and  
Mental and Moral Philosophy.**

REV. JOHN DAVIDSON. 1874—1881.

EDWARD VAUGHAN BOULGER, M.A., D.Litt. (Dublin). 1883—1894.

**Modern History and English Language and Literature.**

ROBERT LANGTON DOUGLAS, M.A. (Oxford). 1900—1902.

**Mathematics and Physics.**

HORACE LAMB, M.A., LL.D. (Camb.), F.R.S. 1875—1885.

WILLIAM HENRY BRAGG, M.A. (Camb.) F.R.S. 1885—1908.

**Law.**FREDERICK WILLIAM PENNEFATHER, B.A., LL.D. (Camb.)  
1890—1896.

JOHN WILLIAM SALMOND, M.A., LL.B. (Lond.). 1897—1905.

**Natural Science.**

RALPH TATE, F.G.S. 1875—1901.

**Music.**

JOSHUA IVES, Mus. Bac. (Camb.). 1884—1901.

**Clinical Teachers.****The Staff of the Adelaide and of the Children's Hospitals.****Adelaide Hospital.***Consulting Physicians :—*

F. W. NIESCHE, M.D. (Edin.).  
 RICHARD S. ROGERS, M.A., M.D., M.S. (Edin.).  
 JOSEPH C. VERCO, M.D. (Lond.), F.R.C.S.

*Consulting Surgeons :—*

EDWARD CHARLES STIRLING, C.M.G., M.A., M.D. (Camb.), F.R.S.,  
 F.R.C.S.  
 ARCHIBALD WATSON, M.D., F.R.C.S.  
 ARTHUR E. SHEPHERD, L.R.C.P. & S.E., L.F.P. & S.G.  
 WILLIAM ANSTEY GILES, M.B., Ch.M. (Edin.).  
 HONORARY MEDICAL AND SURGICAL STAFF.

*Physicians :—*

WILLIAM T. HAYWARD, L.K.Q.C.P., M.R.C.S.  
 HARRY SWIFT, M.D. (Camb.), M.R.C.S. (Eng.).  
 EDWARD ANGAS JOHNSON, M.D., Ch.D., (Gott.), M.R.C.S. (Eng.)

*Surgeons :—*

BENJAMIN POULTON, M.D. (Melb.), M.R.C.S.  
 ARTHUR M. CUDMORE, M.B., Ch.B. (Adel.), F.R.C.S.  
 CHARLES E. TODD, M.D. (Brux.), M.R.C.S., L.R.C.P.

*Gynaecologists :—*

JAS. ALEX. GREER HAMILTON, M.B. (Dub.), L.R.C.S. (Edin.).  
 T. G. WILSON, M.D., Ch.M. (Sydney), F.R.C.S. (Edin.).

*Ophthalmologist :—*

A. W. HILL, M.D. (Brux.), M.R.C.S., L.R.C.P.

*Assistant Ophthalmologist :*

HERBERT FRANK SHORNEY, M.D. (Melb.).

*Surgeon for Ear and Throat :—*

GEO. A. FISCHER, B.A., M.B., B.S. (Adel.).

*Physician to Skin Department :—*

HARRY SWIFT, M.D. (Camb.), M.R.C.S. (Eng.).

*Assistant Gynaecologists :—*

ARTHUR F. A. LYNCH, M.B., B.S. (Adel.).  
 WILLIAM A. VERCO, M.B., B.S. (Adel.).

*Bacteriologist :—*

THOMAS BORTHWICK, M.D., Ch.M. (Edin.).

*Assistant Bacteriologist :—*

HELEN MARY MAYO, M.B., B.S. (Adel.).

*Assistant Physicians :—*

CHARLES HENRY REISSMANN, M.A., M.D. (Cantab.), M.R.C.P. &amp; S.

ARTHUR HENRY GAULT, M.D. (Lond). M.R.C.S. (Eng).

JOHN BERNARD GUNSON, M.B., B.S. (Adel.). M.R.C.S. (Eng.).

*Assistant Surgeons :—*

W. R. CAVENAGH-MAINWARING, M.B., Ch.B. (Adel.), F.R.C.S.

HENRY S. NEWLAND, M.B., M.S., (Adel.), F.R.C.S.

BRONTE SMEATON, M.B., B.S. (Adel.).

*Pathologist :—*

CONSTANTINE T. C. de CRESPIGNY, M.D., B.S. (Melb.)

*Demonstrator in Anaesthetics :—*

CONSTANTINE T. C. de CRESPIGNY, M.D., B.S. (Melb.).

*Dental Surgeon :—*

ALEXANDER L. WHITE.

*Honorary Radiographer :*

HENRY SIMPSON NEWLAND, M.B., M.S. (Adel.), F.R.C.S.

**Children's Hospital.***Medical Officers :—*

ALFRED EDGAR WIGG, M.B. (Brux.), M.R.C.S., L.R.C.P.

ALFRED AUSTIN LONDON, M.D. (Lond.).

HARRY SWIFT, M.D. (Camb.).

ALEXANDER MATHURSON MORGAN, M.B., B.S. (Adel.).

JOHN BERNARD GUNSON, M.B., B.S. (Adel.), M.R.C.S.

GEORGE ALFRED FISCHER, M.B., B.S. (Adel.).

ROBERT BRUMMITT, M.R.C.S., L.S.A.

CLAUDE TIDSWELL COOPER, M.B., B.S. (Adel.).

HENRY SIMPSON NEWLAND, M.B., M.S. (Adel.), F.R.C.S.

HAROLD MAUND EVANS, M.B., B.S. (Melb.).

HENRY GILBERT, M.B., B.S. (Melb.); F.R.C.S.

**Staff of the Elder Conservatorium of Music.***Director :—*

PROFESSOR JOHN MATTHEW ENNIS, Mus. Doc. (Lond.)

*Teachers of the Pianoforte :—*

IMMANUEL GOTTHOLD REIMANN.

*Teachers of Singing :—*

FREDERICK CHARLES BEVAN.  
 HUBERT WINSLOE HALL.  
 MRS. GEORGINA DELMAR HALL.  
 MRS. REGINALD QUESNEL.

*Teacher of Violin :—*

HERMANN HEINICKE.

*Teacher of Violoncello :—*

HAROLD STEPHEN PARSONS.

*Teacher of Orchestral Playing :—*

HERMANN HEINICKE.

*Teacher of Ensemble Playing (Chamber Music).*

PROFESSOR ENNIS, MUS. DOG.

*Assistant Teacher*—HAROLD STEPHEN PARSONS

*Teacher of Theory of Music :—*

THOMAS HENRY JONES, MUS. BAC.

*Teacher of French and Italian :—*

STANISLAUS MARTIN LEDOCHOWSKI.

*Teacher of Elocution :—*

EDWARD REEVES.

*Teacher of Sight Singing :—*

FREDERICK CHARLES BEVAN.

*Teacher of Flute :—*

ALFRED BOEHM.

*Teacher of Cornet :*

G. WRIGHT.

*Lady Superintendent :—*

MRS. J. S. WESTON.

**Laboratory Assistant.***Physical Laboratory :—*

ARTHUR LIONEL ROGERS.

**Registrar's Department.***Registrar :—*

CHARLES REYNOLDS HODGE. Appointed 1892.

**Former Registrars.**

WILLIAM BARLOW, B.A., LL.D. 1874-1882.

JOHN WALTER TYAS. 1882-1892.

*Accountant and Assistant Registrar :—*

FREDERICK WILLIAM EARDLEY. Appointed Accountant, 1900  
 Assistant Registrar, 1911.

*Librarian :—*

ROBERT JOHN MILLER CLUCAS, B.A. Appointed 1900.

**University Auditors.**

J. EDWIN THOMAS,  
ARTHUR YOUNG HARVEY

**Additional Examiners for Degrees, 1911.****LL.B. DEGREE.**

E. E. CLELAND, LL.B.	.. .. .	Law of Evidence and Procedure
T. S. POOLE, M.A.	.. .. .	Constitutional Law
J. M. NAPIER, LL.B.	.. .. .	Law of Wrongs
E. W. BENHAM, LL.B.	.. .. .	Law of Property, Part I.
W. J. ISBISTER, LL.B.	.. .. .	Law of Property, Part II.
F. H. DOWNER	.. .. .	Law of Contracts
PROFESSOR McDOUGALL, M.A., B.C.L.	.. .. .	Roman Law
T. J. BROWN, LL.B.	.. .. .	Theory of Law and Legislation

**M.B. DEGREE.**

PROFESSOR BERRY, M.D., F.R.C.S.	.. .. .	Anatomy
G. E. RENNIE, B.A., M.D.	.. .. .	Medicine
C. P. B. CLUBBE, L.R.C.P., M.R.C.S.	.. .. .	Surgery
J. FOREMAN, L. et L. Mid., R.C.P., M.R.C.S.	.. .. .	Gynæcology
T. BORTHWICK, M.D.	.. .. .	Hygiene
W. H. GREEN, D.Sc.	.. .. .	Chemistry
PROFESSOR ANDERSON STUART, M.D., LL.D.	.. .. .	Physiology
H. SWIFT, M.D.	.. .. .	Clinical Medicine

**B.A. DEGREE.**

H. W. ALLEN, M.A.	.. .. .	Classics (Honours)
PROFESSOR CARSLAW, M.A.	.. .. .	Mathematics (Honours)
PROFESSOR ANDERSON, M.A.	.. .. .	Philosophy (Honours)
W. H. GREEN, D.Sc.	.. .. .	Organic Chemistry
MISS VIOLET DE MOLE	.. .. .	French
A. J. SCHULZ, M.A., Ph. D.	.. .. .	German

**B.Sc. DEGREE.**

PROFESSOR ANDERSON STUART, M.D., LL.D.	.. .. .	Physiology (Honours)
PROFESSOR MASSON, D.Sc.	.. .. .	Chemistry (Honours)

**DIPLOMA IN APPLIED SCIENCE.**

W. E. WAINWRIGHT, A.S.A.S.M.	.. .. .	Mining, I. & II. and Oredressing
A. J. HIGGIN, F.I.C.	.. .. .	{ Assaying II. & III. Metallurgy II. & III.
C. J. SANDERS	.. .. .	Surveying
W. H. LEDGER, B.Sc.	.. .. .	Mechanical Engineering III. and IV. and Machine Design II.
J. P. V. MADSEN, D.Sc.	.. .. .	Electrical Engineering

## MUS. BAC. DEGREE.

PROFESSOR PETERSON, MUS. BAC. .. .. Of Mus. Bac. Exercises and  
Third Year

## ADVANCED COMMERCIAL CERTIFICATE.

J. EDWIN THOMAS .. .. .	} Accountancy
W. NEILL .. .. .	
J. E. FOWLER, M.A. and W. NEILL .. ..	Business Practice
J. M. NAPIER, LL.B. .. .. .	Commercial Law

## EXAMINATION IN BOTANY.

MISS E. I. BENHAM, B.Sc.

## Officers of Local Centres.

## SOUTH AUSTRALIA :

<i>Centre.</i>	<i>Chairman.</i>	<i>Secretary.</i>
Balaklava ...	P. M. Newland, LL.B.	Rev. A. H. Reynolds, M.A. (Cantab.), B.A. (Lond.)
Blumberg ...	T. Pflaum	E. A. Theel
Burra .. ...	—	J. E. H. Winnall
Clare ... ..	Rev. Thos. V. Charlton	Magnus Badger
Crystal Brook	—	Allan H. Melbourne
Elliston ...	—	Rev. R. T. M. Radcliffe
Gawler... ..	S. B. Rudall, M.P.	R. K. Thomson
Gladstone ...	W. Odgers, J.P.	W. Langdon Parsons
Jamestown ...	H. Boucaut	Rev. R. A. Adams, M.A.
Kadina ... ..	G. Hamilton	E. A. Beare, LL.B.
Kapunda ... ..	R. Rees	Rev. A. G. Fry
Koolunga ...	R. H. Palmer, Jun.	R. Lawry
Laura ... ..	G. Bunday	E. W. Griffiths, M.B., B.S.
Mannum ... ..	R. P. Scott	S. B. von Doussa
Millicent ...	E. J. Harris	Miss F. A. Stuckey
Moonta ... ..	H. W. Uffindell	S. R. Page
Morgan ... ..	John Symons	H. Hooper
Mount Barker	J. J. Mackenzie	Rev. J. H. R. Halford
Mount Gambier	F. H. Daniel	Miss Mary C. Pollitt
Mount Pleasant	Dr. Proctor	Rev. G. S. Ives, B.A.
Naracoorte ...	Dr. Macmillan	Rev. J. T. Phair
Petersburg ...	G. W. Halcomb, B.A.	Rev. B. Hewison
Port Augusta ...	T. Hewitson, LL.B.	Jas. Holdsworth, B.Sc.
Port Pirie ...	F. S. Delano	W. L. Cleland, J.P.

Quorn ... ..	H. A. Wigzell	G. R. Cobbin
Renmark ... ..	C. H. Hollingdrake	H. S. Taylor
Riverton ... ..	Dr. Glynn	C. R. Doudy, LL.B.
Strathalbyn ...	E. J. Tucker	Mrs. E. J. Tucker
Streaky Bay ..	W. H. Howard	H. A. Betts
Tanunda ... ..	W. E. Heuzenroeder	C. W. H. Lake
Tumby Bay ...	Dr. Gocher	Rev. H. A. Gunter
Victor Harbour	Dr. J. F. Douglas	Rev. D. J. Welling on
Yankalilla ...	Rev. H. J. Lovibond, B.A.	R. C. Graham
Yorketown ...	L. W. Hayward, M.B., B.S.	Rev. A. Bungey

## NEW SOUTH WALES.

Broken Hill ...	—	Justin McCarthy
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## WEST AUSTRALIA :

Perth ... ..	Sir J. W. Hackett, Kt, LL.D., M.L.C.
	<i>Secretary</i> —E. A. Randell

*Sub-centres.*

Albany ... ..	W. L. Fordyce, M.A	Hon. Secretary. L. E. Inglis
Kalgoorlie ...	Dr. Hill	J. Watson Brown, B.Sc., LL B.

**On the Board of Governors of the Public Library, Museum, and Art Gallery.**

PROFESSOR GEORGE COCKBURN HENDERSON, M.A. | Elected 27th October,  
 PROFESSOR WILLIAM JETHRO BROWN, LL.D., D. Litt. | 1911.

**On the Board of Management of the Adelaide Hospital.**

WILLIAM THORNBOROUGH HAYWARD, M.R.C.S. Elected February, 1911.

## PAST AND PRESENT GRADUATES.

<i>Name.</i>	<i>Date.</i>	<i>University.</i>	<i>Degree.</i>
HIS MAJESTY KING GEORGE V. LL.D., Cambridge (1894)	1901,	D.C.L., Oxford;	LL.D.
† ABBOTT, Charles Arthur Hillas Lempriere	1911		B.A.
ADAMS, Alfred John .. ..	1900	Cambridge (1899)	M.A.
ADAMS, Reginald Arthur .. ..	1901	Cambridge (1901)	M.A.
ADDISON, Stanley Simpson .. ..	1908		B.Sc.
AKHURST, Adrian .. ..	1908		LL.B.
† ALLEN, Edgar .. ..	1909		B.A.
ALLEN, James Bernard .. ..	{ 1891 1911		B.Sc. B.A.
ALTMANN, Charles August .. ..	1883	Melbourne (1883) ..	M.B.
AMBROSE, Ethel Mary Murray .. ..	1903		M.B., B.S.
ANDERSON, James Robert .. ..	1884		LL.B.
ANDREWS, Richard Bullock .. ..	{ 1887 1891		B.A. LL.B.
ANGUS, William .. ..	1905	Aberdeen (1900) ..	B.Sc.
† ANGWIN, Hugh Thomas Moffitt .. ..	1910		B.Sc.
ANGWIN, Thomas Britton .. ..	1910	Melbourne (1890) ..	M.A.
† ANGWIN, William Britton .. ..	1909		B.Sc.
ANNELLS, William Charles .. ..	1899		M.A.
ASH, Arthur Louis George .. ..	1907		B.A.
* ASH, George .. ..	1894		LL.B.
ASHTON, Thomas Badge .. ..	1903		M.B., B.S.
ASTLES, Harvey Eustace .. ..	1885	St. Andrews (1883)	M.D.
* AYERS, Frederic .. ..	1877	Cambridge (1875)	M.A.
AYERS, Julian .. ..	1895		LL.B.

### B.

† BAGOT, Edward Mead .. ..	1911		B.A.
BAGSTER, Lancelot Salisbury .. ..	1908		B.Sc.
BAKEWELL, John Warren .. ..	1877	Cambridge (1874)	M.A.
† BARBOUR, Graemme Madowal .. ..	1909		B.A.
BARLOW, William .. ..	{ 1877 1885	Dublin (1855) " (1884)	B.A. LL.D.
† BARNARD, Marguerita Mira .. ..	1911		B.A.
BARNES, Joseph Thomas .. ..	1908		B.A.
BARRY, Alfred .. ..	1889	Oxford .. ..	LL.D.
† BARTON, Felix Kingston .. ..	1911		B.A.
BARWELL, Henry Newman .. ..	1899		LL.B.
† BASEDOW, Herbert .. ..	1910	Breslau Ph.D. (1908)	B.Sc.
BAYLY, Brian Brock .. ..	1904		B.Sc.
BAYLY, William Reynolds .. ..	{ 1896 1898		B.A. B.Sc.

\* Deceased.

† Not yet Members of Senate.

BEARE, Edwin Arthur .. ..	1892		LL.B.
BEARE, Thomas Hudson .. ..	1877		B.A.
† BEGG, Reginald Hauszen .. ..	1911		B.Sc.
BELL, Arthur Hammond .. ..	1908		B.A.
BELL, Willoughby George .. ..	1901		B.Sc.
* BENBOW, John .. ..	1895		B.A.
BENHAM, Edward Warner .. ..	1891		LL.B.
BENHAM, Ellen Ida .. ..	1892		B.Sc.
BENHAM, Frederick Lucas .. ..	1901	London (1881) ..	M.D.
BENHAM, Rosamond Agnes .. ..	1902		M.B., B.S.
BENNETT, Frederick Norman .. ..	1905		B.A.
BENNETT, Richard William .. ..	1901		LL.B.
BENSLEY, Edward von Blomberg .. ..	1895	Cambridge (1889)	M.A.
BETTS, Lionel Oxborrow .. ..	1907		M.B., B.S.
BILLINGHURST, Harry .. ..	1904		B.A.
BIRKS, Lawrence .. ..	1894		B.Sc.
BIRKS, Melville .. ..	1903		M.B., B.S.
† BIRKS, Walter Richard .. ..	1910		B.Sc.
† BLACK, Eustace Couper .. ..	1910		M.B., B.S.
BLACKBURN, Charles Bickerton .. ..	1893		B.A.
BLACKNEY, Samuel .. ..	1891	Toronto (1891) ..	M.B.
* BLOXAM, Charles a'Court .. ..	1891		LL.B.
BOAS, Isaac Herbert .. ..	1899		B.Sc.
† BÖER, Adolf Oswald .. ..	1911		M.B., B.S.
BOLLEN, Christopher .. ..	1894	Toronto 1891) ..	M.D.
BOLLEN, Percival .. ..	1899	Toronto (1899) ..	M.D.
BONNIN, James Atkinson .. ..	1895		M.B., B.S.
BOOTH, Sydney Russell .. ..	1910	Cambridge (1901) ..	B.A.
BOOTHBY, Charles Brinsley .. ..	1886		LL.B.
* BOOTHBY, William Robinson .. ..	1877	London (1850) ' ..	B.A.
BORTHWICK, Ernest Lincoln .. ..	1902	Edinburgh (1897)	M.B., C.M.
BORTHWICK, Thomas .. ..	1892	Edinburgh (1891) ..	M.D.
BOSWORTH, Richard Leslie Eugene .. ..	1901		B.Sc.
* BOULGER, Edward Vaughan .. ..	1884	Dublin (1872) ..	M.A.
BOWEN, Harold Charles .. ..	1906		B.Sc.
BOWYEAR, George John Shirreff .. ..	1882	Cambridge (1871)	B.A.
BRADY, Albert Edward .. ..	1905		M.B., B.S.
BRAGG, William Henry .. ..	1888	Cambridge (1888)	M.A.
BRAGG, William Lawrence .. ..	1908		B.A.
BRAUER, Herman Gustav Adolph .. ..	1905	Wisconsin (1899)	M.A.
BRAY, Gildart Harvey .. ..	1891	Aberdeen (1890) ..	M.A.
BRAY, Marmion Matthews .. ..	1907		LL.B.
BROOKS, Albert Joseph .. ..	1904		B.A.
† BRÖSE, Henry Herman Leopold .. ..			
Adolph .. ..	1910		B.Sc.
† BROWN, Arthur Cubitt .. ..	1911		B.Sc.

\* Deceased.

Not yet Members of Senate.

BROWN, Frederick George ... ..	{ 1906 1910	London (1898)	B.A. B.Sc.
BROWN, James Watson .. ..	{ 1893 1898		B.Sc. LL.B.
BROWNE, John Walter .. ..	1908	Royal Ireland (1900)	M.B., B.S.
BROWN, Mary Home .. ..	1902		B.Sc.
BROWN William Jethro .. ..	1906	Cambridge (1906)	LL.D.
BROWNE, Thomas John .. ..	1908		LL.B.
BRUMMITT, Robert Douglas .. ..	1905		M.B., B.S.
BUNDEY, Ellen Milne .. ..	1906		Mus. B.a.c.
† BURGESS, Annie Frances .. ..	1909		B.A.
BURGESS, Leslie Frank .. ..	1908		B.Sc.
BURGESS, May .. ..	1899		B.Sc.
BURGESS, Thomas Martin .. ..	1888		B.A.
BURNELL, Reginald George .. ..	1905		B.A.
* BURNARD Eulalie Hardy Hanton	1905		M.B., B.S.
BURNARD, Renfrey Gershom .. ..	1904		M.B., B.S.
BURTT, Thomas .. ..	1877	Cambridge (1855) ..	M.A.
BUTLER, Frederick Stanley .. ..	1898		M.A.
BUXTON, Sir Thomas Fowell .. ..	1895	Cambridge (1859) ..	M.A.
BYARD, Douglas John .. ..	1889	Oxford (1882) ..	B.A.
C.			
* CAMPBELL, Allan James .. ..	1896		M.B., B.S.
CAMPBELL, Archibald Way .. ..	1896		M.B. B.S.
CAMPBELL, Colin Arthur Fitzgerald	1889	Cambridge (1889)	M.A.
† CAMPBELL, Donald .. ..	1911		LL.B.
CAMPBELL, Florence Way .. ..	1897		Mus. Bac.
CAMPBELL, Gordon Cathcart .. ..	{ 1906 1909		B.A. LL.B.
CAMPBELL, James Way .. ..	{ 1903 1905		B.A. LL.B.
CAMPBELL, Jessie .. ..	1908		B.A.
* CARR, Whitmore .. ..	1877	Dublin (1848) ..	M.A.
CATCHLOVE, Sydney George Leyland	1907		M.B., B.S.
CATERER, Thomas Ainslie (Clerk of the Senate) .. ..	1879		B.A.
CAVENAGH-MAINWARING, Wentworth Rowland .. ..	1892		M.B., B.S.
CAW, Alexander Ruan .. ..	1902		M.B., B.S.
CHAPMAN, Henry George .. ..	1901	Melbourne (1899)	M.B.
† CHAPMAN, Robert Hall .. ..	1910		B.Sc.
CHAPMAN, Robert William .. ..	1889	Melbourne (1888)	M.A.
CHAPPLE, Alfred .. ..	1894		B.Sc.
CHAPPLE, Ernest .. ..	1903		B.Sc.
CHAPPLE, Frederic (Warden of the Senate) .. ..	1877	London (1870) ..	B.A.
CHAPPLE, Frederic John .. ..	{ 1891 1898	Melbourne (1897)	B.Sc. M.B., Ch. B.

\* Deceased.

† Not yet Members of Senate.

CHAPPLE, Harold .. ..	1900		B.Sc.
CHAPPLE, Marian .. ..	1894		B.A.
CHAPPLE, Phoebe.. ..	{ 1898 1904		B.Sc. M.B., B.S.
* CHARLES WORTH, Thomas William	1877		M.A.
CHERRY, Percival Thomas Spower	1908		M.B., B.S.
CHIGNELL, Arthur Kent ..	1900		B.A.
* CHURCHWARD, Samuel .. ..	1877	London (1873)	B.A.
CHURCHWARD, Spencer .. ..	1903		M.A.
CHURCHWARD, Stella Mary ..	1904		B.Sc.
CLARK, Archie Septimus .. ..	1900		B.Sc.
* CLARK, Annie Millicent .. ..	1904		B.A.
CLARK, Caroline .. ..	1901		M.A.
CLARK, Edward Vincent .. ..	1895		B.Sc.
CLARK, Percy John .. ..	1907		B.A.
CLAYTON, Arthur Ross .. ..	1902		M.B., B.S.
CLELAND, Edward Erskine .. ..	1890		LL.B.
CLELAND, John Burton .. ..	1902	Melbourne (1902)	M.D.
CLELAND William Lauder .. ..	1904		B.Sc.
CLELAND, William Lennox .. ..	1880	Edinburgh (1876)	M.B.
CLUCAS, Robert John Miller ..	1903		B.A.
COCKBURN, Sir John Alexander ..	1877	London (1874)	M.D.
COGHILL, Donald Murray Robertson	1906	Melbourne (1892)	M.A.
COLEBATCH, Walter John .. ..	1909	Edinburgh (1903)	B.Sc.
COLLISON, Edith .. ..	1900		B.Sc.
COLVIN, Bazett David .. ..	1898	Cambridge (1864)	M.A.
COLVILLE, Arthur Landseer ..	1905		LL.B.
COLVILLE, John ... ..	1901		B.A.
COMLEY, Charles Herbert .. ..	{ 1906 1910		B.Sc. M.A.
CONNOR, Julian Dove .. ..	1900		B.Sc.
CONYBEARE, William James .. ..	1895	Cambridge (1894)	B.A.
COOKE, Florence Emmeline ... ..	1900		Mus. Bac.
COOKE, William Ernest .. ..	1889		M.A.
COOKE, William Ternent .. ..	1905		D.Sc.
COOPER, Constance May .. ..	1904		M.B., B.S.
COOPER, Claude Tidswell .. ..	1899	Melbourne (1899)	M.B., Ch.B.
† COOPER, Wilfred Windham .. ..	1911		B.Sc.
CORBIN, Cecil .. ..	1894		M.B., B.S.
CORBIN, Hugh Burton .. ..	1892		B.Sc.
† CORRY, Samuel Lloyd .. ..	1910		M.B., B.S.
CORVAN, James Hamilton .. ..	1877	Dublin (1865)	B.A.
COVENTRY, Cameron Hilder .. ..	1900		B.Sc.
COWAN, Darcy Rivers Warren ... ..	1908		M.B., B.S.
† COWAN, George Dalrymple .. ..	1911		LL.B.
COWAN, Leslie Thompson .. ..	1907		B.Sc.
COWELL, Francis Henry .. ..	1903		B.A.

\* Deceased.

† Not yet Members of Senate.

COWPERTHWAITTE, Elsie Eleanor	1906		M.A.
CRAWFURD, Lionel Payne	1897	Oxford (1890)	M.A.
CUDMORE, Arthur Murray	1894		M.B., B.S.
CURTIS, Albert	1905		M.B., B.S.
D.			
DALBY, John	1891		B.A.
d'ARENBERG, Frederick Augustus	1881	Dublin (1876)	M.A.
DARWIN, Errol Raffael Henry	1907		B.Sc.
DARWIN, Lisle Julius	1910		M.A.
* DAVENPORT, Sir Samuel	1888	Cambridge (1886)	LL.D.
DAVIDSON, George	1898	St. Andrews (1879)	M.A.
DAVIDSON, Roy Laidlaw	1907		B.A.
† DAVIES, Clive Runnalls	1909		B.A.
DAVIES, Edward Harold	1902		Mus. Doc.
DAVIS, Angelita Pintorocilla	1905		Mus. Bac.
DAVIS, David	1906		B.A.
DAVY, Ruby Claudia Emily	1907		Mus. Bac.
DAWSON, Dean	1905		M.B., B.S.
DEANE, Charles Maslen	1877	Edinburgh (1862)	M.D.
† DELPRAT, Lica	1910		M.B., B.S.
† DELPRAT, Mary Johanna Alberta Theodora	1909		M.B. B.S.
DEMPSEY, Richard Francis	1888		LL.B.
* DENDY, Arthur	1877	Oxford (1851)	M.A.
DETTMANN, Herbert Stanley	1906	Oxford (1906)	M.A.
DEVENISH, Albert Sydney	1899		M.A.
DODWELL, George Frederick	1905		B.A.
† DOLLING, Charles Edward	1911		M.B., B.S.
DONALDSON, Arthur	1881		B.A.
DONALDSON, George	1882		B.A.
† DONNELLY, Thomas Hugh	1911		M.B., B.S.
DORNWELL, Edith Emily	1885		B.Sc.
DORSCH (née Heyne), Agnes Marie Johanna	1891		B.A.
DOUDY, Cecil Roy	1906		LL.B.
DOUGLAS, Francis John	1898	Melbourne (1897)	M.B., Ch.B.
DOUGLAS, Robert Langton	1900	Oxford (1891)	M.A.
DOVE, George	1877	Cambridge (1859)	M.A.
DOWNER, George Henry	1885		LL.B.
DOWNER, James Frederick	1895		LL.B.
DOWNNEY, Michael Henry	1909	Melbourne (1904)	M.B., B.S.
† DREW, Charles Francis	1911		M.B., B.S.
DREW, William Alfred Vernon	1908		M.B., B.S.
DRISCOLL, Hilda Marion	1908		B.A.
DUFFIELD, Walter Geoffrey	{ 1900 1908	Manchester (1908)	B.Sc. D.Sc.
† DUMAS, Russell John	1909		B.Sc.

\* Deceased.

† Not yet Members of Senate.

* DUNCAN, Handasyde .. ..	1877	Glasgow (1831) ..	M.D.
DUNCAN-HUGHES, John Grant	1910	Cambridge (1910) ..	M.A.
* DUNLOP, James Dunlop .. ..	1883	Edinburgh (1831) ..	M.B.
* DURNO, Leslie .. ..	1893	Aberdeen ..	M.A.
<b>E.</b>			
EARDLEY (née Farsky), Hilda Gosina Franziska .. ..	1906		B. A.
EDESON, Emily Geraldine .. ..	1902	Melbourne (1899) ..	M. A.
EDMUNDS, Charles Augustus .. ..	1904		LL.B.
* EITEL, Ernst John .. ..	1903	Tübingen (1871) ..	M. A.
ELCUM, Charles Cunningham .. ..	1879	Cambridge ..	M. A.
ELLIS, Annie Rita .. ..	1905		B.Sc.
† ELLIS, Arthur Benjamin .. ..	1911		B. A.
ELLIS, Frank .. ..	{ 1907 1911		B.Sc. B. A.
ENGLEHART, August Friedrich Gottfried .. ..	1877	Giessen (1870) ..	M.D.
ENNIS, John Matthew .. ..	1902	London (1894) ..	Mus. Doc.
ERICHSEN, Matthias .. ..	1908		M.B., B.S.
* ESAU, Charles Frederick Herman ..	1877	Göttingen (1851) ..	M.D.
EVANS, Harold Maund .. ..	1897	Melbourne (1897)	M.B.
† EVERARD, James Edward .. ..	1910		M.B., B.S.
<b>F.</b>			
FAIRWEATHER, Andrew .. ..	1901		B.Sc.
FARR, Clinton Coleridge .. ..	1902		D.Sc.
* FARR, George Henry .. ..	{ 1877 1883	Cambridge (1863) .. " (1882) ..	M. A. LL.D.
FERGUSON, Andrew .. ..	1904		B.Sc.
† FERGUSON, Angus Salier .. ..	1909		B. A.
* FIELD, Thomas .. ..	1877	Cambridge (1857) ..	M. A.
FINLAYSON, Ronald Nickels .. ..	1903		LL.B.
FINNISS, John Henry Suffield .. ..	1886	Edinburgh (1876) ..	M.B.
FISCHER, George Alfred .. ..	{ 1888 1894		B.A. M.B., B.S.
FITZGERALD James Joseph .. ..	1908	Melbourne (1908)	M.A.
* FLECKER, Oscar Sydney .. ..	1902	Sydney (1902) ..	M.B., Ch.M
† FLEMING, Thomas Gordon .. ..	1909		M.B., B.S.
* FLETCHER, Alfred Watkis .. ..	1889		B.Sc.
* FLETCHER, William Roby .. ..	1877	London (1856) ..	M. A.
* FLOOD, John Wellesley .. ..	1881	Dublin .. ..	B.A., M.B.
† FORNACHON, Paul Charles Albert	1910		B.Sc.
FORREST, The Right Honourable Sir John .. ..	1902	Cambridge ( ) ..	LL.D.
FOWLER, James Richard .. ..	1891	Cambridge (1890) ..	M.A.
FRAYNE, Ernest John .. ..	1908		M.B., B.S.
FREWIN, Thomas Hugh .. ..	1892		M.A.
FRY, Henry Kenneth .. ..	{ 1905 1908		B.Sc. M.B., B.S.

\* Deceased.

† Not yet Members of Senate.

## G.

GARDINER, Beauchamp Lennox ..	1902		B.Sc.
GARDNER, Edith Josephine ...	1906		B.A.
GARDNER, George Gavin Forrest	1906		Mus. Bac.
† GARDNER, Mary Beatrice	1909		B.A.
* GARDNER, William .. ..	1877	Glasgow (1876) ..	M.D.
GARTRELL, Herbert William ..	1902		B.A., B.Sc.
GAULT, Arthur Henry .. ..	1901	London (1900) ..	M.D.
GETHING, Robert † .. ..	1877	Edinburgh (1847) ..	M.D.
GIBBES, Alexander Edward ..	1892		M.B., B.S.
GILBERT, Joseph .. ..	1907		B.Sc.
GILES, Eustace .. ..	1889		LL.B.
† GILES, Harold .. ..	1911		B.A.
* GILES, Henry O'Halloran ..	1891		M.B., B.S.
GILES, Ireton Elliot .. ..	1897		B.A.
† GILES, Mortimer .. ..	1911		LL.B.
GILES, Nigel Stuart .. ..	1905		B.Sc.
GILES, Olive Abbott .. ..	1907		B.A.
GILES, Thomas O'Halloran ..	1886	Cambridge (1883) ..	LL.B.
GILES, William Anstey .. ..	1886	Edinburgh (1882) ..	M.B.
GILL, Alfred .. ..	{ 1882 1885		B.A. LL.B.
GILL, Lancelot Waring ...	1908		B.Sc.
† GILLHAM, Charles Alfred ..	1911		B.A.
GIRDLESTONE, Henry .. ..	1894	Oxford (1889) ..	M.A.
GLASSON, Joseph Leslie .. ..	1908		B.Sc.
* GLOVER, Ralph Francis .. ..	1877	Queen's, Ireland (1869)	B.A.
† GLUIS, John .. ..	1911		B.A.
GLYNN, Patrick McMahon ..	1898	Dublin (1879) ..	LL.B.
GOLDSMITH, Frederick .. ..	1889		M.B., B.S.
GOODE, Arthur .. ..	1894		M.B., B.S.
GOOD, Emily Milvain .. ..	1904		B.A.
† GOODE, Muriel Gertrude ..	1911		Mus. Bac.
† GOODE, Reginald Alfred ..	1910		M.B., B.S.
GOODE, Samuel Walter .. ..	1898		B.A.
GORDON, James Leslie .. ..	1904		LL.B.
* GORGER, Oscar .. ..	1878	Heidelberg (1871) ..	M.D.
GOSNELL, Arthur William ..	1895	Cambridge (1888) ..	M.A.
GOSSE, Charles .. ..	1877	Aberdeen (1875) ..	M.D.
* GOSSÉ, William .. ..	1877	Heidelberg (1870) ..	M.D.
GOYDER, Alexander Woodroffe	1889		B.Sc.
GRANT, Kerr .. ..	1911	M.Sc. Melb, (1901)	B.Sc.
† GREENLEES, Alan David ..	1909		B.Sc.
GREENWAY, Harold .. ..	1906		B.Sc.
GREENWAY, Thomas Charles ..	1900		B.Sc.
GREGERSON, William Jens ..	1902	Melbourne (1899) ..	M.B., B.S.
GREY, Francis Isaac .. ..	1907	Melbourne (1892) ..	M.A.

\* Deceased.

† Not yet Members of Senate.

	GRIFFITHS, Ernest William ..	1906		M.B., B.S.
†	GROSSER, Agnes Juliana Hulda	1910		B.A.
	GUNSON, George Frederick ..	1902		LL.B.
	GUNSON, John Bernard .. ..	1893		M.B., B.S.
*	GUNSON, John Michael .. ..	1877	Heidelberg (1867) ..	M.D.
	GUNSON, William Joseph ..	1894		LL.B.
<b>II.</b>				
	HACKETT, James Thompson ..	1882	Melbourne (1879) ..	B.A.
†	HAINS, Ivan Coronel .. ..	1911		M.B., B.S.
	HALCOMB, Frederick .. ..	1877	Oxford (1859) ..	B.A.
	HALES, Lizzie Ann ... ..	1908		B.A.
	HALL, Charles Fishbourne ..	1905		B.A.
	HALL, Anthony James Alexander ..	1888		LL.B.
	HALL, Robert William .. ..	1884		LL.B.
	HAMILTON, Alexander Archibald	1883	Dublin (1880) ..	M.B.
	HAMILTON, Charles Wolfe ..	1899	Dublin (1891) ..	M.D.
	HAMILTON, James Alexander Greer	1880	Dublin (1876) ..	M.B.
	HAMILTON Thomas Kinley ..	1885	Dublin (1879) ..	M.D.
	HANCOCK, George Alfred .. ..	1909		M.A.
†	HANNAN, Albert James .. ..	1909		B.A.
*	HARDING, Thomas Williamson ..	1890	Cambridge (1890) ..	M.A.
	HARDY, Alfred Burton .. ..	1898		LL.B.
	HARGRAVE, Nathaniel John ..	1905		LL.B.
	HARGREAVES, William Arthur ..	1909	(Melb. 1891) ..	B.Sc.
	HARKNESS, Robert .. ..	1907		B.A.
	HARMER, John Reginald .. ..	1895	Cambridge (1884) ..	M.A.
	HARRIS, Frank Dixon .. ..	1886		LL.B.
	HARRIS, James Frederick .. ..	1901	Melbourne (1901) ..	M.B.
	HARRIS, Wilfred .. ..	1908	Durham (1893) ..	M.A.
	HARROLD, Rowland Edward ..	1892	Edinburgh (1890) ..	M.B.
	HARRY, Arthur Hartley .. ..	1901		B.A.
*	HARTLEY, John Anderson .. ..	1877	London (1868) ..	B.A.
†	HARVEY, Gilbert Aberdein ..	1911		M.B., B.S.
	HASLAM, Joseph Auburn .. ..	1892		B.Sc.
	HASLAM, Leslie Horrocks ..	1908		LL.B.
†	HASTE, Reginald Arthur .. ..	1911		B.Sc.
	HAWKER, Edward William ..	{ 1877	Cambridge (1873) ..	LL.B.
		{ 1902	Cambridge (1890) ..	M.A.
*	HAY, Alexander Gosse .. ..	1897	Cambridge (1896) ..	B.A.
*	HAY, James .. ..	1883	Cambridge (1880) ..	LL.B., B.A.
	HAYCRAFT, Edith Florence ..	1890		B.Sc.
	HAYWARD, Charles Waterfield ..	1892	Oxford (1892) ..	M.A.
	HAYWARD, Lionel Wykeham ..	1903		M.B., B.S.
	HEADLAM, Morley Lewis Caulfield	1900	Oxford (1893) ..	M.A.
	HEINEMANN, Edmund Lewis ..	1890	Oxford (1887) ..	B.A.
	HENDERSON, George Cockburn ..	1902	Oxford (1897) ..	M.A.
*	HENDERSON, James .. ..	1880		B.A.

\* Deceased.

† Not yet Members of Senate.

HENDERSON, John Henderson ..	1899	Glasgow (1882) ..	M.B.
HENDERSON, William .. ..	1884		LL.B.
HENDERSON, William .. ..	{ 1904 1908		B.A. LL.B.
* HENNIKER-MAJOR, Albert Edward John .. ..	1891	Cambridge (1889) ..	B.A.
HENNING, Andrew Harriot ..	1887		LL.B.
HESELTINE, Augustus Frederick	1904		B.Sc.
HESELTINE, Samuel Richard ...	1908		LL.B.
HEUZENCEDER, William Eberhard .. ..	1891		LL.B.
HEWITSON, Thomas .. ..	1884		LL.B.
HILL, Hilda Mary .. ..	1908		B.A.
† HILTON, Arthur Robert .. ..	1909		B.A.
HOCTOR, John Francis .. ..	1877	Dublin (1871) ..	B.A.
HOLDER, Edward Wheewall ..	1905		B.Sc.
HOLDER, Ethel Roby .. ..	1901		M.A.
† HOLDER, Eric James Roby ..	1909		M.B., B.S.
† HOLDER, Evan Morecott .. ..	1909		B.Sc.
HOLDER, Sophia Ellen .. ..	1906		B.A.
* HOLDER, Sydney Ernest .. ..	1882		B.A.
HOLE, William Margarey .. ..	1893		Mus. Bac.
HOLLIDGE, David Henry .. ..	1889		M.A.
HOMBURG, John .. ..	1908		LL.B.
HONE, Frank Sandland .. ..	{ 1889 1894		B.A. M.B., B.S.
* HONE, Gilbert Bertram .. ..	1892		B.A.
HOOPER, Charles William .. ..	1904		B.Sc.
HOPE, Charles Henry Standish ..	{ 1889 1891	Cambridge (1883) ..	B.A. M.D.
HOPE ( <i>née</i> Fowler), Laura Margaret	1891		M.B.
HOPKINS, Alfred Nicholas .. ..	1888		B.A.
* HOPKINS, William Fleming .. ..	1884		B.A.
HORN, Edward Palmer .. ..	1889		LL.B.
HORNABROOK, Rupert Walter ..	1896		M.B., B.S.
HOSKING, Herbert Clifton .. ..	1908		B.A.
HOURIGAN, Richard Edward .. ..	1893		LL.B.
HOWCHIN, Stella .. ..	1893		B.Sc.
HOWELL, Edward Tucker .. ..	1877	Oxford (1860) ..	M.A.
HÜBBE, Edith Ulrica .. ..	1908		B.A.
HUGHES, Alfred .. ..	1889	Cambridge (1886) ..	B.A.
HUNN, William Morgan .. ..	1905		M.B., B.S.
HUNTER, Oswald .. ..	1903		LL.B.
* HUSSEY, John .. ..	1901	Oxford (1889) ..	M.A.
HYNES, Timothy Augustin .. ..	1889	Edinburgh (1888) ..	M.B.

## I.

ILIFFE, James Drinkwater .. ..	1899		B.Sc.
† INGAMELLS, Dora .. ..	1909		B.A.

\* Deceased.

† Not yet Members of Senate.

INGAMELLS, Eric Marfleet ..	1908		B.A.
INGLEBY, Rupert .. ..	1889		LL.B.
IRWIN, Henry Offley .. ..	1898		M.B., B.S.
ISBISTER, James Linklater Thomson	{ 1891 1896		B.Sc. M.B., B.S.
ISBISTER, William James ..	1887		LL.B.
IVES, Joshua .. ..	1886	Cambridge (1884) ..	Mus. Bac.
<b>J.</b>			
JACOMB-HOOD, Robert Gordon ..	1905	Cambridge (1892) ..	M.A.
† JACKSON, Sarah Elizabeth ..	1911		B.A.
† JAUNCEY, George Eric Macdonnell	1909		B.Sc.
JAY, Hubert Melville ... ..	1908		M.B., B.S.
JEFFERIS, Arthur Tarlton .. ..	1908		B.Sc.
JEFFERIES, Lionel Harry .. ..	1908		B.A.
JEFFERIS, James .. ..	{ 1877 1895	London (1856) .. Sydney (1885) ..	LL.B. LL.D.
JEFFRIES, Lewis Wibmer .. ..	1907		M.B., B.S.
† JEFFRIES, Shirley Williams ..	1909		LL.B.
JERVIS-SMITH, Frederick John ..	1898	Oxford (1872) ..	M.A.
JESSOP, Charles Lewis .. ..	1906		LL.B.
JOHNSON, Edward Angas .. ..	{ 1897 1901	Melbourne (1897) .. Göttingen (1899) ..	M.B., Ch.B. M.D.
† JOHNSON, William Herbert .. ..	1911		B.A.
JOHNSTONE, Percy Emerson .. ..	{ 1894 1898		B.A. LL.B.
JOLLY, Norman William .. ..	1901		B.Sc.
JONA, Jacob .. ..	1908		B.Sc.
JONA, Judah Leon .. ..	1910		D.Sc.
JONES, Albert Edward .. ..	1888		LL.B.
† JONES, Edmund Britten .. ..	1910		M.B., B.S.
† JONES, Doris Egerton .. ..	1911		B.A.
JONES, Thomas Henry .. ..	1889		Mus. Bac.
JOSE, Edward Salisbury .. ..	1905	Oxford (1904) ..	B.A.
JOSE, George Herbert .. ..	1906	Oxford (1906) ..	M.A.
JUDE, Gertrude Josephine .. ..	1901		B.Sc.
JUDELL, Maurice Wolff .. ..	1903		B.Sc.
<b>K.</b>			
† KAHAN, Raoul Robellaz .. ..	1911		B.Sc.
KEARNEY, Alan Wells .. ..	1889	Cambridge (1877) ..	M.A.
* KELLY, Alexander Charles .. ..	1877	Edinburgh (1832) ..	M.D.
* KELLY, David Frederick .. ..	1879	Cambridge (1878) ..	M.A.
KELLY, Francis .. ..	1906		LL.B.
* KELLY, (née Pittmann), Franziska Helena Marie.. ..	.. .. 1898		Mus. Bac.
KENNION George Wyndham .. ..	1883	Oxford (1871) ..	M.A.
KERR, Donald Alexander.. ..	1883		B.A.
KINGSMILL, Walter .. ..	1883		B.A.

\* Deceased.

† Not yet Members of Senate.

* KINGSTON, The Right Hon. Charles Cameron .. .. .	1898	D. C.L., Oxford (1897)	LL.D.
KINTORE, The Earl of .. .. .	{ 1889 1889	Cambridge (1877) .. Aberdeen (1889) ..	M. A. LL.D.
KIRBY, Mary Maude .. .. .	1890		B.Sc.
KLEEMAN, Richard Daniel .. .. .	1908		D.Sc.
† KNEEBONE, John LeMessurier .. .. .	1911		M. B., B.S.
KNIGHT, Percy Norwood .. .. .	1888		B.A.
KNOWLES, Francis Edward .. .. .	1888		LL.B.
KOLLOSCH, John .. .. .	1901		M.A.
KUCHEL, Carl Wilhelm August .. .. .	1908		B.A.
L.			
LABATT, Edward .. .. .	1877	Dublin (1870) ..	B.A.
† LAYBOURNE-SMITH, Louis .. .. .	1911		B.Sc.
* LABATT, George Augustus .. .. .	1877	Dublin (1839) ..	B.A.
LAMB, Horace .. .. .	1877	Cambridge (1875) ..	M.A.
LANE, Annie .. .. .	1904		M.A.
LANG, Sydney Chapman .. .. .	1896		B.A.
LANG, William Holland .. .. .	1908		B.Sc.
LANGDON, Reginald Yorke .. .. .	1908		B.Sc.
LANGMAN, Mary Lillecrapp .. .. .	1906		B.A.
LATY, Claude Percival .. .. .	1905		LL.B.
LEDGER, William Henry .. .. .	1906	Sydney, B.E. (1903)	B.Sc.
LEHUNTE, Sir George Ruthven .. .. .	1903	Cambridge (1880) ..	M.A.
* LEITCH, James Westwood .. .. .	1884		B.A.
LEITCH, Oliver .. .. .	1895		B.Sc.
* LEONARD, James .. .. .	1877	London (1849) ..	B.A.
LENDON, Alfred Austin .. .. .	1883	London (1881) ..	M.D.
LE MESSURIER, Thomas Abraham .. .. .	{ 1893 1894		B.Sc. M.A.
LEWIS, Eric Henry .. .. .	1908		M.D.
LEWIS, Irene Gwendoline .. .. .	1907		B.Sc.
LIGERTWOOD, George Couetts .. .. .	{ 1908 1910		B.A. LL.B.
LILLYWHITE, Cuthbert .. .. .	1899		B.Sc.
LIMBERT, Edgar Henry .. .. .	1887		LL.B.
* LINDON, James Hemery .. .. .	1886	Cambridge (1884) ..	M.A.
LLOYD, Henry Sanderson .. .. .	1883	Edinburgh (1883) ..	M.B.
LIPSHAM, Kate Caroline .. .. .	1905		B.A.
* LIPSHAM, Margaret .. .. .	1903		B.A.
LOAN, Edward Charles .. .. .	1903		B.A.
LOWRIE, William .. .. .	1883	Edinburgh (1883) ..	M.A.
LYNCH, Arthur Francis Augustin .. .. .	1889		M.B., B.S.
M.			
MCAREE, Francis Edward .. .. .	1906		M B., B.S.
MCAREE, John Victor .. .. .	1905		M.B., B.S.
* MCARTHUR, David William Stanley .. .. .	1901		B.Sc.

\* Deceased.

† Not yet Members of Senate.

	MACAULAY, Robert Wilson ..	1903		B.A.
*	MCCULLAGH, William George ..	1877	Dublin (1854) ..	B.A.
*	MACBEAN, John ..	1877	Aberdeen (1832) ..	M.A.
	MCCBRIDE, William John ..	1898		B.Sc.
	MCCARTHY, Walter James ..	{ 1891 1904		B.A. B.Sc.
†	McGLASHAN, John Eric ..	1909		M.B., B.S.
	MACK, Hans Hamilton ..	1880		B.A.
	MACKENZIE, John George Kenneth	1894	Oxford (1898) ..	M.A.
*	MACKINTOSH, James Sutherland	1878	Edinburgh (1835) ..	M.D.
	MACLENNAN, James Sydney Kil- coy .. ..	1906		LL. B.
†	McNAMARA, Louis Warnecke ..	1909		B.Sc.
	MACULLY, Alexander ..	1901	Melbourne (1887) ..	M.A.
†	MADIGAN, Cecil Thomas ..	1910		B.Sc.
	MADSEN, John Percival Vissing ..	{ 1901 1907	Sydney (1900) ..	B.Sc. D.Sc.
	MADDEN, Sir John ..	1901	Cambridge ..	LL. D.
	MAGAREY, Archibald Campbell..	1907		M.B., B.S.
	MAGAREY, Cromwell William Ashley	1889		M.B., B.S.
	MAGAREY, Frank William Ashley	{ 1901 1903	{ Sydney (1899) Sydney (1903) ..	M.B. M.D.
	MAGAREY, Rupert Eric ..	1904		M.B., B.S.
*	MAGAREY, Sylvanus James ..	1888	Melbourne (1888) ..	M.D.
	MAGAREY, William Ashley ..	1888		LL.B.
	MAKIN, Frank Humphrey ..	1906	Melbourne (1901)	M.B.
	MANN, Charles ..	1887		LL.B.
*	MARRYAT, Charles ..	1877	Oxford (1853) ..	M.A.
	MARRYAT, Cyril Beaumont ..	1898		B.Sc.
	MARRYAT, Ernest Neville ..	1888		B.A.
	MARTEN, Robert Humphrey ..	1888	Cambridge (1883) ..	M.B.
	MARTIN, John Claude ..	1905		LL.B.
	MARTIN, Victor Garfield ..	1904		B.Sc.
	MASTERS, Frederick George ..	1900	Cambridge (1898) ..	M.A.
	MATTHEWS, Richard Twitchell ..	1884	London (1883) ..	B.A.
	MAUGHAN, Milton Moss ..	1904		B.A.
	MAWSON, Douglas ..	{ 1907 1909	Sydney (1901)	B.Sc. D.Sc.
†	MAYO, George Eiton ..	1911		B.A.
	MAYO, Helen Mary ..	1902		M.B., B.S.
†	MAYO, Herbert.... ..	1909		LL.B.
	MEAD, Cecil Silas ..	{ 1887 1891		B.A. M.B., B.S.
*	MEAD, Silas ..	1877	London (1859) ..	M.A.
†	MELBOURNE, Alexander Clifford Vernon .. ..	1910		B.A.
	MELLOR, James Taylor ..	1888		LL.B.
	MELROSE, Alexander ..	1886		LL.B.
	MILLER, Raymond Orlando Maurice	1905		B.A.
	MILNE, William Somerville ..	1890	Oxford (1886) ..	M.A.

\* Deceased.

† Not yet Members of Senate.

MINCHIN, Edward James ..	1894	Dublin (1879) ..	B.A.
MITCHELL, James Thomas ..	1885	Aberdeen (1885) ..	M.D.
MITCHELL, Percival Harris ..	1906		B.A.
MITCHELL, Samuel James ..	1890		LL.B.
MITCHELL, William ..	1895	Edinburgh (1886) ..	M.A.
MITTON, Ernest Gladstone ..	1899		B.Sc.
† MOFFAT, May Josephine ..	1911		M.B., B.S.
† MONCRIEFF, Josephine Hartley ..	1911		B.A.
† MONCRIEFF, Mary Kathleen ..	1910		B.A.
MOORE, Bertie Harcourt ..	1900		B.Sc.
* MOORE, Edwin Canton ..	1882		B.A.
MOORE, George Douglas ..	1904		B.Sc.
† MOORE, Phyllis Mary ..	1909		B.A.
MORGAN, Alexander Matheson ..	1890		M.B., B.S.
* MORRIS, Edward Ellis ..	1901	Oxford ..	M.A.
* MORSE, Charles William ..	1877	Cambridge (1850) ..	B.A.
† MOULDEN, Owen Meredith ..	1910		M.B., B.S.
MOULE, Edward Ernst ..	1893		M.B., B.S.
MOYES, John Stoward ..	1907		M.A.
† MOYES, Morton Henry ..	1910		B.Sc.
* MUECKE, Carl Wilhelm Ludwig ..	1877	Jena (1847) ..	M.A.
MUECKE, Francis Frederick ..	1902		M.B., B.S.
† MURDEN, William ..	1910		B.A.
MURHEAD, John Robb ..	1908		M.B., B.S.
† MURHEAD, Leonard Graeme ..	1911		M.B., B.S.
MURPHY, Evangeline ..	1907		B.A.
MURRAY, George John Robert ..	1883		B.A.

## N.

NADEBAUM, Rudolph Oertel ..	1907		B.A.
NAIRN, Alexander Livingstone ..	1902		B.A.
NANKIVELL, John Thomas ..	1877	Cambridge (1871) ..	B.A.
NAPIER, Alexander Disney Leith ..	1899	Aberdeen (1878) ..	M.D.
NAPIER, Thomas John Mellis ..	1902		LL.B.
NAYLOR, Henry Darnley ..	1906	Cambridge (1894) ..	M.A.
* NESBIT, William Peel ..	1877	Edinburgh (1873) ..	M.B.
* NEUBAUER, Max Friedrich ..	1877	Munich (1873) ..	M.D.
NEWLAND, Clive ..	1902		M.B., B.S.
NEWLAND, Henry Simpson ..	{ 1896 1902		M.B., B.S. M.S.
NEWLAND, Philip Mesmer ..	1896		LL.B.
NEWMAN, Edgar Harrold ..	1894		LL.B.
NEWMAN, George Gough ..	1892	London (1891) ..	B.A.
† NEWMAN, Olive Gertrude ..	1909		B.Sc.
NICHOLLS, Leslie Herbert ..	1893		B.A.
NIESCHE, Frederick William ..	1889	Edinburgh (1886) ..	M.D.
NOLTENIUS, Harry Edward ..	1902		B.A.
† NOOTNAGEL, Albert Herman ..	1910		LL.B.
† NORMAN, William Ashley ..	1911		LL.B.
NORTHMORE, John Alfred ..	1887		LL.B.

## O.

* OAKELEY, Sir Herbert Stanley ..	1895	Oxford ..	Mus. Doc
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\* Deceased.

† Not yet Members of Senate.

		P.			
PADMAN, Edward Clyde .. ..	{ 1897		B. A.		
	{ 1900		LL. B.		
PADMAN, Clara Helen .. ..	1904		B. A.		
PAINÉ, Herbert Kingsley .. ..	1904		LL. B.		
* PALMER, Hamilton Charles .. ..	1877	London (1851) ..	LL. B.		
PARKHOUSE, Devon .. ..	1907		M. B., B. S.		
PARKIN, George Robert .. ..	1903	McGill, Canada ..	LL. D.		
PARSONS, Herbert Angas .. ..	1897		LL. B.		
PATCHELL, Mary Emma .. ..	{ 1906		B. A.		
	{ 1907		B. Sc.		
* PATERSON, Alexander Stuart .. ..	1877	Edinburgh (1857) ..	M. D.		
PATON, Adolph Ernest .. ..	1902		B. Sc.		
PATON, Alfred Maurice .. ..	1898		B. Sc.		
* PATON, David .. ..	1878	Glasgow (1864) ..	M. A.		
PATON, Dora Isabel .. ..	1902		B. Sc.		
† PAYNTER, Ralph Horwood .. ..	1909		B. A.		
PEARSON, Henry Ernest .. ..	1904		B. Sc.		
PELLEW, Leonard James .. ..	1906		M. B., B. S.		
PENNEFATHER, Frederick William	1888	Cambridge (1874) ..	B. A.		
PHILLIPS, Earnest .. ..	1908		LL. B.		
PHILLIPPS, Herber Tarlton .. ..	1905		B. Sc.		
PHILLIPS, James Howard .. ..	1902		B. Sc.		
PHILLIPS, Walter Ross .. ..	1883	Cambridge (1878) ..	LL. B.		
† PINCH, Allan Love .. ..	1911		LL. B.		
† PITCHER, Cyril Frederick .. ..	1911		M. B., B. S.		
PITT, Arthur William .. ..	1906		B. A.		
PLUMMER, Rex Garnet .. ..	1906		M. B., B. S.		
PLUMMER, Violet May .. ..	{ 1893		B. Sc.		
	{ 1897	Melbourne (1897) ..	M. B.		
POOLE, Dorothea Landon .. ..	1906		M. A.		
† POOLE, Frederic St John .. ..	1909		M. B., B. S.		
POOLE, Frederick Slaney .. ..	1877	Cambridge (1876) ..	M. A.		
POOLE, Henry John .. ..	1877	Oxford (1856) ..	M. A.		
† POTTS, Ethelwyn .. ..	1909		B. A.		
† POTTS, Gilbert Macdonald .. ..	1911		B. A.		
POULTON, Benjamin .. ..	1884	Melbourne (1883) ..	M. D.		
POWELL, Henry Arthur .. ..	1891		M. B., B. S.		
PRICE, Arthur Jennings .. ..	1890		LL. B.		
PRIEST, Herbert James .. ..	{ 1902		B. Sc.		
	{ 1904		B. A.		
PROUD, Emily Dorothea .. ..	1906		B. A.		
PUDDY, Maude Mary .. ..	1905		Mus. Bac.		
		R.			
RANDELL, Allan Elliott .. ..	1897	Melbourne (1897) ..	M. B., Ch. B.		
RAWLINGS, Joseph Henry .. ..	1877	Edinburgh (1866) ..	M. D.		
RAYNER, William Henry .. ..	1907		B. A.		

\* Deceased.

† Not yet Members of Senate.

RAY, William .. .. .	1906		M.B., B.S.
RAY, Walter Vernon .. ..	1907		LL.B.
RAYNOR, Philip Edwin .. ..	1890	Oxford (1882)	M.A.
* READ, Henry .. .. .	1877	Cambridge	M.A.
† REIMANN, Valesca Leonore Olive	1910		B.A.
REISSMANN, Charles Henry ..	1902	Cambridge (1902)	M.D.
* RENNER, Friedrich Emil ..	1877	Jena (1847)	M.D.
* RENNICK, Francis Henry ..	1882	Melbourne (1880)	M.A.
RENNIE, Edward Henry .. ..	1885	London (1882)	D.Sc.
RENNIE, Edward James Cadell ..	1906		B.Sc.
RICHARDS, Frederick William ..	1897	London (1896)	LL.D.
RICHARDSON, Arnold Edwin Victor	{ 1910 1908		M.A. B.Sc.
* RICHARDSON, Frank Joseph Webb	1893		B.Sc.
RIDGWAY, Jeannie .. .. .	1908		Mus. Bac.
RILEY, Mabel .. .. .	1908		B.A.
† RISCHBIETH, Oswald Henry			
Theodore .. .. .	1909		B.A.
ROBERTSON, Joseph .. .. .	1894	Sydney (1877)	M.A.
ROBERTSON, Lionel Joseph ..	1896		B.A.
ROBERTSON, Thorburn Brailsford	1908		D.Sc.
ROBERTSON, William .. .. .	1905	Melbourne (1882)	M.B.
ROBINSON, Roy Lister .. .. .	1903		B.Sc.
* ROBINSON, William George ..	1873		B.A.
ROBIN, Charles Ernest .. .. .	1836		B.A.
ROBIN, Percy Ansell .. .. .	{ 1880 1885	London (1885)	B.A. M.A.
ROGERS, Richard Sanders .. ..	{ 1891 1897 1899	Edinburgh (1887) Edinburgh (1893)	Ch.M. M.D. M.A.
ROSMAN, Frank Edgar .. .. .	1908		B.Sc.
† ROSSITER, James Leonard ..	1910		B.A.
ROWLEY, Frederick Pelham ..	1887		LL.B.
RUDALL, Reginald John .. ..	1906		LL.B.
* RUSSELL, Alfred Edward James ..	1893		M.B., B.S.
† RUSSELL, Ernest Albert Harold ..	1911		M.B., B.S.
RUSSELL, Herbert Henry Ernest ..	{ 1899 1905	Melbourne (1899)	M.B., Ch.B. M.D.
RUSSELL, Walter Henry .. .. .	1905		M.B., B.S.
S.			
* SABINE, Clément Egbert Eppes ..	1884		LL.B.
SABINE, Ernest Maurice .. .. .	1891		LL.B.
SALMOND, John William .. .. .	1897	London (1887)	LL.B.
SANDERS, Isabel Mary .. .. .	1905		B.A.
SANDISON, Alexander .. .. .	1906	Edinburgh (1906)	M.B.
SANGSTER, John Ikin .. .. .	1893		M.B., B.S.
† SCHACHE, Alma Olga Antonia ..	1909		B.A.
SCHULZ, Adolf John .. .. .	{ 1905 1909	Zurich, Ph.D. (1908)	B.A. M.A.

\* Deceased.

† Not yet Members of Senate.

* SCOTT, Andrew .. .. .	1883	Melbourne (1881) ..	B. A.
SCOTT, Douglas Comyn .. ..	1888		LL. B.
SCOTT, Malcolm Leslie .. ..	1904		M. B., B. S.
† SCOTT, Roubald Me'ville .. ..	1910		B. Sc.
SEABROOK, Leonard Llewellyn ..	1891		M. B., B. S.
* SEABROOK, Thomas Edward Fraser	1877	St Andrews (1861)	M. D.
SEARLE, Frederick John .. ..	1902		B. A.
SELLS, Alfred .. .. .	1877	Cambridge (1847) ..	M. A.
SEWELL, Charles Edward .. ..	1886		LL. B.
SEWELL, Frank .. .. .	1899		B. A.
SHANAHAN, Patrick Francis .. ..	1893		M. B., B. S.
SHARP, Cecil James .. .. .	1882	Cambridge (1882) ..	B. A.
SHARP, William Hey .. .. .	1877	Oxford (1871) ..	M. A.
SHAW, James .. .. .	1904		B. Sc.
† SHEPLEY, Leslie Herbert Hamilton	1909		LL. B.
SHIERLAW, Howard Alison .. ..	1902		LL. B.
SHORNEY, Herbert Frank .. ..	1909	Melbourne (1903)	M. D.
* SHORT, Augustus .. .. .	1877	Oxford (1826) ..	M. A.
SHUTER, Richard Ernest .. ..	1895	Melbourne (1891) ..	M. B.
SIMPSON, Henry Gordon Liddon ..	1896		LL. B.
† SINCLAIR, William Malcolm .. ..	1911		M. B., B. S.
SKIPPER, Stanley Herbert .. ..	1901		LL. B.
SMÆTON, Bronte .. .. .	1896		M. B., B. S.
* SMEATON, Stirling .. .. .	1880		B. A.
* SMITH, Arthur William .. .. .	1877	London (1872) ..	M. D.
SMITH, Frank .. .. .	1903		B. Sc.
SMITH, Harold Whitmore .. ..	1906		B. Sc.
SMITH, Ida Gwendoline Viner .. ..	1902		B. A.
SMITH, James .. .. .	1905		LL. B.
SMITH, James Walter .. .. .	1882	London (1856) ..	J. J. D.
SMITH, Julian Augustus Romaine	{ 1892 1907 1908	Melbourne (1901) ..	B. Sc. M. B., B. S. M. S.
SMITH, Sydney Talbot .. .. .	1886	Cambridge (1884) ..	LL. B.
SMITH, William Ramsay .. .. .	{ 1903 1904 1904	Edinburgh (1888) .. Edinburgh (1892) .. Adelaide ..	B. Sc. M. B. D. Sc.
SMYTH, Isabel Agnes Ekin .. ..	1905		B. A.
SMYTH, John Thomas .. .. .	1878	Melbourne (1874) ..	B. A.
SOLOMON, Isaac Herbert .. .. .	{ 1895 1898		B. A. LL. B.
SOLOMON, Judah Moss .. .. .	{ 1888 1891		B. A. LL. B.
SOLOMON, Susan Selina .. .. .	1890		B. Sc.
SOUTER, John Francis .. .. .	1897	Aberdeen (1889) ..	M. B.
SPEHR, Carl Louis .. .. .	1896		LL. B.
SPICER, Edward Clark .. .. .	1877	Melbourne (1877) ..	B. A.
SPROD, Milo Weeks .. .. .	1908		M. B., B. S.
STANFORD, William Bedell .. ..	1879	Oxford (1864) ..	M. A.

\* Deceased.

† Not yet Members of Senate.

† STEELE, David Macdonald	..	1909	..	M.B., B.S.
STEPHENS, Charles Francis	..	1897		B.Sc.
STEPHENS, Lillian Mary Theakston	..	1907		B.A.
* STEWART, Robert	.. ..	1886	Melbourne (1886) ..	M.D.
STIRLING, Edward Charles	..	{ 1877	Cambridge (1872) ..	M.A.
		{ 1882	Cambridge (1880) ..	M.D.
		{ 1909	Cambridge (1909) ..	D.Sc.
STIRLING, Sir John Lancelot	..	1877	Cambridge (1871) ..	LL.B.
† STODDART, Harrold William Downing	1911			M.B., B.S.
STOKES, Alfred Francis	.. ..	1904		M.B., B.S.
STOKES, Edward ..	.. ..	1903		B.A.
† STOLZ, Kate Sophie	.. ..	1909		B.A.
STOW, Francis Leslie	.. ..	1909		LL.D.
STUCKEY, Edward Joseph	.. ..	{ 1895		B.Sc.
		{ 1903		M.B., B.S.
STUCKEY, Francis Seavington	.. ..	1896		B.Sc.
STUCKEY, Joseph James ..	.. ..	1877	Cambridge (1864) ..	M.A.
STUCKEY, Rupert Bramwell	.. ..	1898		LL.B.
STUCKEY, Vivian Charles	.. ..	1906		B.Sc.
* SUNTER, Joseph Tregilgas	.. ..	1883	Melbourne (1880) ..	B.A.
* SUTHERLAND, Archibald Cook	.. ..	1889	Edinburgh (1865) ..	M.A.
* SUTHERLAND, George ..	.. ..	1882	Melbourne (1879) ..	M.A.
SWAN, Warren Alexander,	.. ..	1905		B.A.
SWIFT, Harry .. ..	.. ..	1888	Cambridge (1887) ..	M.D.
* SYMON, William .. ..	.. ..	1879	St. Andrews (1876)	M.A.
SYMONS, Mark Johnston ..	.. ..	1885	Edinburgh (1878) ..	M.D.
T.				
TASSIE, Robert Wilson	.. ..	1907		B.Sc.
TENNYSON, Hallam, Baron	.. ..	1900	Litt. D. Cambridge (1899)	LL.D.
* THOMAS, John Davies ?..	.. ..	1877	London (1871) ..	M.D.
THOMAS, Arthur Nutter	.. ..	1906	Cambridge (1895) ..	M.A.
† THOMAS, Edward Brooke	.. ..	1911		M.B., B.S.
THOMAS, Thomas Eggleston	.. ..	1883	Melbourne (1881) ..	M.A.
THOMPSON, Thomas Alexander	.. ..	1896		B.Sc.
† THOMSON, Harry .. ..	.. ..	1909		LL.B.
THOMSON, James Simpson	.. ..	1906		B.Sc.
* TODD, Sir Charles	.. ..	1886	Cambridge (1886) ..	M.A.
* TODMAN, James .. ..	.. ..	1877	Edinburgh (1852) ..	M.D.
TOLLEY, Frank Gordon	.. ..	{ 1901	Cambridge (1889) ..	LL.B.
		{ 1906	Cambridge (1906) ..	M.A.
TORR, William George	.. ..	1892	Dublin (1892) ..	LL.D.
TREATMAN, Frank .. ..	.. ..	1899	London (1892) ..	M.D.
TREHY, Annie Louisa Virginia	.. ..	1890		B.Sc.
TRELHAVEN, Walter .. ..	.. ..	1893		B.Sc., M.A.
TRÜDINGER, Anna .. ..	.. ..	1892		B.A.
TRÜDINGER, Clara .. ..	.. ..	1908		B.Sc.
TRÜDINGER, Ronald .. ..	.. ..	{ 1905		B.Sc.
		{ 1909		M.B., B.S.

\* Deceased.

† Not yet Members of Senate.

TRÜDINGER, Walter .. ..	1892		B.A.
* TUCKER, William Alfred Edgecombe	1885		B.A., LL.B.
TUCKWELL, Ernest Sinclair .. ..	1902		B.A.
TYAS, Margaret Elizabeth .. ..	1905	London (1905) ..	B.Sc.
U.			
UPTON, Henry .. ..	1888		LL.B.
V.			
* VARLEY, Charles Grant .. ..	1884		LL.B.
VAUGHAN, John Howard .. ..	1900		LL.B.
VERCO, Clement Armour .. ..	1902	Sydney (1901) ..	M.B., Ch.M.
VERCO, Joseph Cooke .. ..	1877	London (1876) ..	M.D.
VERCO, Reginald John .. ..	1907		M.B., B.S.
VERCO, Sydney Manton .. ..	1901	Sydney (1900) ..	M.B.
VERCO, William Alfred .. ..	1890		M.B., B.S.
* VON TREUER, Adolph .. ..	1877	Dorpat (1844) ..	LL.B.
W.			
* WADEY, Walter Henry .. ..	1894		LL.B.
WAINWRIGHT, Edward Harley .. ..	1883	London (1878) ..	B.Sc.
WAINWRIGHT, Charles Leonard	1900		B.Sc.
WALE, William Henry .. ..	1896	Oxford (1874) ...	Mus. Bac.
WALKER, Daniel .. ..	1887		B.Sc.
WALKER, Ellen Lawson .. ..	1899		B.Sc.
† WALKER, Frances Sophia .. ..	1908		Mus. Bac.
WALKER, Jane Elizabeth .. ..	1908	Wales ( )	B.A.
* WALKER, William John .. ..	1885		B.A.
WALLMANN, Reginald Horton .. ..	1907		LL.B.
WALTER, William Ardagh Gardner	1909	Oxford (1908) ..	B.A.
WALTON, Gertrude Mary .. ..	1904		B.A.
† WARD, Cyril Michael .. ..	1910		B.A.
WARD, John Frederick .. ..	1908		M.A.
* WARREN, Thomas Hogarth .. ..	1889		LL.B.
WATKINS, Charles Thomas .. ..	1907		LL.B.
WATSON, Archibald .. ..	1885	Paris (1880) ..	M.D.
* WAY, Edward Willis .. ..	1877	Edinburgh (1871) ..	M.B.
WAY, The Right Hon. Sir Samuel James (Bart). .. ..	1892	D.C.L., Oxford (1891)	LL.D.
WEBB, Noel Augustin .. ..	1886		LL.B.
* WEBB, Robert Bennett .. ..	1877	Oxford (1869) ..	M.A.
WEHRSTEDT, Walter Franz .. ..	1899		B.A.
WEIDENBACH, Arnold Edwin .. ..	1907		M.B., B.S.
WELD, Elizabeth Eleanor .. ..	1901	Melbourne (1901) ..	M.B.
* WELD, Octavius .. ..	1877	Toronto (1856) ..	B.A.
WELLS, Clement Victor .. ..	1902		M.B., B.S.
WEST, Arthur George Bainbridge	1897	Oxford (1892) ..	M.A.

\* Deceased.

† Not yet Member of Senate.

WEST, Gordon Roy .. ..	{ 1904			B.Sc.
	{ 1908			M. B., B.S.
WEST, John Stanley .. ..	1907			B.Sc.
WEST, Reginald Arthur .. ..	1905			M.A.
* WEST-ERSKINE, William Alexander Erskine .. ..	1877	Oxford (1864)	..	M.A.
WHEATLEY, Frederick William .. ..	{ 1890			B.Sc.
	{ 1904			B.A.
WHEELER, Alfred .. ..	1904	Cambridge ( )	..	M.A.
WHITHAM, Annie Beatrice .. ..	1905			B.A.
WHITTINGTON, Bertram .. ..	1899			B.Sc.
WHITTINGTON, Frederick Taylor .. ..	1886			LL.B.
† WHITTINGTON, Louis Arnold .. ..	1911			LL.B.
* WHITTTELL, Horatio Thomas .. ..	1877	Aberdeen (1858)	..	M.D.
† WIBBERLEY, Brian .. ..	1911			Mus. Bac.
† WIBBERLEY, Brian William .. ..	1911			B.Sc.
WILKINSON, Frederick William .. ..	1884			B.A.
WILKS, Vida Alice .. ..	1904			B.A.
WILLIAMS, Eirane Mary .. ..	1907			B.A.
* WILLIAMS, Francis .. ..	1877	Oxford (1860)	..	M.A.
WILLIAMS, Frank Laurie .. ..	1905			LL.B.
WILLIAMS, James Henry .. ..	1908			B.A.
WILLIAMS, Mabel Evangeline .. ..	1906			B.A.
WILLIAMS, Matthew .. ..	1887			B.A.
WILLMOTT, Josiah Percival .. ..	1907			B.Sc.
WINWOOD, Susan Ann .. ..	1904			Mus. Bac.
WILSON, Charles Ernest Cameron .. ..	1900	Melbourne (1899)	..	M.B.
WILSON, James Beith .. ..	1896			B.A.
WILSON, Thomas George .. ..	1904	Sydney (1904)	..	M.D.
† WILTON, Alexander Cockburn .. ..	1911			M.B., B.S.
WILTON, John Raymond .. ..	{ 1903			B.Sc.
	{ 1911	Cambridge (1911)		M.A.
WOOD, Montague Couch .. ..	1888	Oxford (1880)	..	M.A.
* WOODS, John Crawford .. ..	1877	Edinburgh (1843)	..	B.A.
WOOLNOUGH, Harold .. ..	1906			B.A.
WOOLNOUGH, Walter George .. ..	1904	Sydney (1904)	..	D.Sc.
WORSNOP, Elsie Madeline .. ..	1907			B.A.
WORTHINGTON, Thomas .. ..	1898	Cambridge	..	M.A.
WRIGHT, Charlotte Elizabeth Arabella .. ..	1888			B.A.
WRIGHT, George Herbert .. ..	1906			B.A.
WRIGHT, Lewis Garner .. ..	1891			LL.B.
WRIXON, Sir Henry John .. ..	1901	Dublin	..	M.A.
WYLLIE, Alexander .. ..	{ 1888			B.A.
	{ 1891			B.Sc.
Y.				
YEATMAN, Charleton .. ..	1910			M.B., B.S.
YOUNG Aretas Charles William .. ..	1883	Oxford (1871)	..	B.A.

\* Deceased

† Not yet Members of the Senate.

48 STUDENTS WHO HAVE OBTAINED FINAL CERTIFICATE IN LAW.

YOUNG, David Hastings .. ..	1894	Edinburgh	..	M. B.
YOUNG, Frederick William .. ..	1897			LL. B.
YOUNG, William John .. ..	1883	Dublin (1882)	..	M. A.
† YOUNKMAN, Landau .. ..	1910			B.Sc.

Z.

ZWAR, Bernhard Traugott .. ..	1908	(Melb. M.D., 1902, M.S., 1908.)		M. D., M.S.
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**List of students in Law who have obtained the Final Certificate.**

ANDREWS, Walter Frederick .. ..	1888
ASHTON, Edward James Wilberforce .. ..	1896
ATKINSON, Alfred Harris Owst .. ..	1900
BAKEWELL, William Kenneth .. ..	1908
BENNY, Benjamin .. ..	1891
BERRY, George Augustus .. ..	1887
* BERTRAM, Robert Matthew .. ..	1888
BOUCAUT, George Hiles .. ..	1906
BRAY, Cecil Thomas .. ..	1900
BRIGHT, William Stuart .. ..	1904
CASTLE, Gordon Harwood .. ..	1885
CAVENAGH, James Gordon .. ..	1887
COVENTRY, Charles James .. ..	1911
COX, Edwin Baxter .. ..	1908
DAVISON, John Hubert Hawdon .. ..	1908
DENNY, William Joseph .. ..	1908
DOWNER, Frank Hagger .. ..	1886
DRIFFIELD, George Carus .. ..	1889
DURSTON, Sidney Bridle .. ..	1889
FLEMING, Stanley Hugh .. ..	1902
FOSTER, Henry Edgar .. ..	1889
FOX, John Henry .. ..	1895
GILLEN, Vincent de Paul .. ..	1907
GOLDSWORTHY, William Beazley .. ..	1903
* GREER, George Andrew .. ..	1889
GWYNNE, Ilted Gordon .. ..	1891
HAGUE, Percy .. ..	1897
* HAMP, John Chipp .. ..	1887
HARGRAVE, Charles Townshend .. ..	1904
HARGRAVE, Joshua Addison .. ..	1890
HENDERSON, William B. A. .. ..	1908
HESELTINE, Samuel Richard .. ..	1903
HILL, Henry Richard .. ..	1887

\* Deceased.

HILL, Herbert Edward	..	..	..	..	..	1898
HOLLAND, William Corin	..	..	..	..	..	1909
HOMBURG, Hermann	..	..	..	..	..	1896
HOMBURG, Robert	..	..	..	..	..	1897
JAMES, Alfred Charles	..	..	..	..	..	1899
JOHNSON, James Howard	..	..	..	..	..	1900
JOYNER, Frederick Allen	..	..	..	..	..	1885
KEATS, Frederick Phillips	..	..	..	..	..	1900
KENNEDY, Donald Angus	..	..	..	..	..	1904
LAKE, Clement William Hingston	..	..	..	..	..	1907
LITTLE, Egbert Percy Graham	..	..	..	..	..	1898
McEWIN, George	..	..	..	..	..	1897
MACKENZIE, Charles Norman	..	..	..	..	..	1909
McLACHLAN, Alexander John	..	..	..	..	..	1894
MICHELL, George Francis	..	..	..	..	..	1888
MITCHELL, Harold Flinders	..	..	..	..	..	1908
MOULDEN, Frank Beaumont	..	..	..	..	..	1895
MUIRHEAD, Henry Mortimer	..	..	..	..	..	1909
NESBIT, Reginald George	..	..	..	..	..	1900
NICHOLLS, Theodore Henry	..	..	..	..	..	1900
OWEN, William Frederick	..	..	..	..	..	1906
PENNY, Bertram Stephens	..	..	..	..	..	1908
PENNY, Clifton Raymond	..	..	..	..	..	1893
REID, Walter Gliddon	..	..	..	..	..	1909
RONALD, Stuart Douglas	..	..	..	..	..	1910
ROUNSEVELL, Horace Vernon	..	..	..	..	..	1888
ROWLEY, Spencer Toler	..	..	..	..	..	1888
SHEPHERD, Joseph Scoresby	..	..	..	..	..	1899
SMITH, Francis Villeneuve	..	..	..	..	..	1906
STOCKDALE, William John	..	..	..	..	..	1889
STUART, Walter Leslie	..	..	..	..	..	1900
* SUPPLE, Charles Joseph	..	..	..	..	..	1900
TAPLEY, Willis Wayte	..	..	..	..	..	1909
* TAYLOR, Harry Braithwaite	..	..	..	..	..	1886
TENNANT, Frederick Augustus	..	..	..	..	..	1899
VANDENBERGH, William John	..	..	..	..	..	1896
VON BERTOUCH, Rupert Paul Albrecht	..	..	..	..	..	1892
VON DOUSSA, Stanley Bowman	..	..	..	..	..	1901
* WADEY, Walter Henry	..	..	..	..	..	1892
WARD, Henry Torrens	..	..	..	..	..	1900
WARREN, Sydney John	..	..	..	..	..	1911
WEAVER, Alfred Charles	..	..	..	..	..	1903
WHITBY, Percy Edward Robert	..	..	..	..	..	1891
WIGLEY, Henry Vandeleur	..	..	..	..	..	1890
WINNALL, John Edward Hyde	..	..	..	..	..	1893
WOOLDRIDGE, William Phillips	..	..	..	..	..	1894
WRIGHT, Charles Joseph Harvey	..	..	..	..	..	1888

\* Deceased

**Associates In Music.**

BRUGGEMANN, Martha Dorothy	..	..	..	..	1904
CHEEK, Muriel Elizabeth	..	..	..	..	1909
DAVY, Ruby Claudia Emily, Mus. Bac.	..	..	..	..	1903
FLAHERTY, Annie Josephine	..	..	..	..	1907
GOSS, Lucy Vera	..	..	..	..	1909
HANTKE, Ethel Hilda Hedwig	..	..	..	..	1902
HILLS, Walter Bedford	..	..	..	..	1904
HINE, Clytie May	..	..	..	..	1908
HOCHÉ, Edith	..	..	..	..	1908
JOYCE, Kate	..	..	..	..	1904
KOLLOSCHÉ, Samuel	..	..	..	..	1910
MANNING, Hilda Mahala	..	..	..	..	1902
KEMP, Marion Kirkwood	..	..	..	..	1903
PARKINSON, Charlotte Ethel Violet	..	..	..	..	1901
PHIPPS, Charlotte Lucy Barkwell	..	..	..	..	1905
PUDDY, Maude Mary, Mus. Bac.	..	..	..	..	1900
ROACH, Mary Moyle	..	..	..	..	1910
ROBERTS, Winifred Sophie	..	..	..	..	1911
RUDEMANN, Elsa Wilhelmine	..	..	..	..	1903
SAYERS, Alice Mabel	..	..	..	..	1901
SHORT, John Thomas Gordon	..	..	..	..	1907
SPEER, Francesca	..	..	..	..	1901
TAYLOR, Gladys Leslie	..	..	..	..	1908
WALLMANN, Beatrice May	..	..	..	..	1909
WHILLAS, Helen May	..	..	..	..	1901
WHITINGTON, Sylvia Muriel	..	..	..	..	1911
WIBBERLY, Brian, Mus. Bac.	..	..	..	..	1908
WILLIAMSON, Arthur Burton	..	..	..	..	1908

**List of Commercial Students who have obtained the Advanced Commercial Certificate.**

COFFEY, William James	..	..	..	..	1904
DONNELLY, Albert Laurence	..	..	..	..	1905
KLEEMANN, Theodore Richard	..	..	..	..	1906
McMICHAEL, Clunie Brice	..	..	..	..	1904
MUIR, Thomas Grieve	..	..	..	..	1906
ROBERTSON, John George	..	..	..	..	1904
RUSSACK, Friedrich Wilhelm	..	..	..	..	1907
THREADGOLD Stanley Garfield	..	..	..	..	1907

**List of Commercial Students who have obtained the Diploma in Commerce.**

ANDERSON, Reginald Hamp .. .. .	1910
ANNELLS, Herbert Edward ... .. .	1980
BAYLY, Edward Benjamin .. .. .	1910
BRAY, Clifford Samuel .. .. .	1908
COTTON, Robert Harold .. .. .	1908
DOBSON, Alfred James .. .. .	1909
FRY, Arthur Henry Percival .. .. .	1910
GALE, Frederick Julius .. .. .	1910
HARRISON, William Frank .. .. .	1908
HOGBEN, Alfred Richard .. .. .	1909
KIRKMAN, David .. .. .	1908
LENTON, Leslie .. .. .	1910
MENKENS, Frank Hermann .. .. .	1908
MESSENT, Albert Edward .. .. .	1908
MILNE, Alexander .. .. .	1910
MUECKE, Carl Wilhelm Ludwig .. .. .	1908
NEEDHAM, George Francis Jack .. .. .	1911
PROUD, Katherine Lily .. .. .	1910
ROBERTSON, George Oliver .. .. .	1908
SHEPPARD, Bernard Aubrey .. .. .	1910
SMITH, Charles Alfred .. .. .	1910
STEELE, Robert Moore .. .. .	1908
THOMAS, Harold Clarke .. .. .	1908
WAUCHOPE, James George Neilson .. .. .	1911
WHEELER, Horace Roseby .. .. .	1911
WOOD, Alfred Evelyn .. .. .	1909

**Diploma in Mining Engineering and Metallurgy and Fellowship of the South Australian School of Mines and Industries.**

ANGWIN, William Britton, B.Sc .. .. .	1910
BAYLY, Brian Brock, B.Sc. .. .. .	1907
BELL, Willoughby George, B.Sc. .. .. .	1903
CLARK, Archie Septimus, B.Sc. .. .. .	1902
CLELAND, William Lauder, B.Sc. .. .. .	1905
CONNOR, Julian Dove, B.Sc. .. .. .	1902
FAIRWEATHER, Andrew, B.Sc. .. .. .	1904
GARDINER, Beauchamp Lennox, B.Sc. .. .. .	1904
GREENWAY, Thomas Charles, B.Sc. .. .. .	1904
HESELTINE, Frederick Augustus, B.Sc. .. .. .	1905
HOOPER, Charles William, B.Sc. .. .. .	1906
JUELLE, Lester Maurice Wolf, B.Sc. .. .. .	1905
LANGDON, Reginald Yorke, B.Sc. .. .. .	1905
MARTHUR, David William Stanley, B.Sc. .. .. .	1904
MARTIN, Victor Garfield, B.Sc. .. .. .	1906

52 DIPLOMAS IN ELECTRICAL ENGINEERING AND APPLIED SCIENCE.

MOORE, Bertie Harcourt, B.Sc. .. .. .	1902
PATON, Adolph Ernest, B.Sc. .. .. .	1904
WAINWRIGHT, Charles Leonard, B.Sc. .. .. .	1905
WHITTINGTON, Bertram, B.Sc. .. .. .	1901

**Diploma in Electrical Engineering.**

((OLD REGULATIONS.))

CHAPPLE, Ernest, B.Sc. .. .. .	1904
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**Diplomas in Applied Science.**

MINING ENGINEERING.

GREENWAY, Harold, B.Sc. .. .. .	1907
ROBINSON, Roy Lister, B.Sc. .. .. .	1904
STUCKEY, Vivian Charles, B.Sc. .. .. .	1909

ELECTRICAL ENGINEERING.

ANGWIN, Hugh Thomas Moffit, B.Sc. (Course A.) .. .. .	1911
BEGG, Reginald Haussen, B.Sc. (Course A) .. .. .	1911
BURGESS, Leslie Frank, B.Sc. .. .. .	1909
DUMAS, Russell John, B.Sc. .. .. .	1910
ELLIS, Frank, B.Sc. .. .. .	1908
GILBERT, Joseph, B.Sc. .. .. .	1908
GILL, Lancelot Waring .. .. .	1909
GREENLEES, Alan David, B.Sc. .. .. .	1910
LANG, William Holland, B.Sc. ... .. .	1908
MENAMARA, Louis Warnock (Course B.) .. .. .	1911
RENNIE, Edward James Cadell, B.Sc. .. .. .	1907
ROSMAN, Frank Edgar, B.Sc. .. .. .	1909
SMITH, Harold Whitmore .. .. .	1906
TASSIE, Robert Wilson, B.Sc. .. .. .	1909
WEST, John Stanley, B.Sc. ... .. .	1908

MECHANICAL ENGINEERING.

BROOKMAN, John Ragless .. .. .	1907
LAYBOURNE-SMITH, Louis, B.Sc. .. .. .	1908

MINING.

HOLDER, Evan Morecott, B.Sc. .. .. .	1910
MADIGAN, Cecil Thomas, B.Sc. .. .. .	1911

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**Education Committee.**

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REV. H. GIRDLESTONE, M.A.	J. R. FOWLER, M.A.
REV. DR. JEFFERIS	PROFESSOR LOWRIE, M.A.
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R. BARR SMITH	

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	PROFESSOR RENNIE
	HON. D. M. CHARLESTON
	HON. E. A. ROBERTS, M.H.R.

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W. HOWCHIN, F.G.S.	

**Faculty of Law.**

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THE VICE-CHANCELLOR	A. W. PIPER
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PROFESSOR MITCHELL	P. E. JOHNSTONE, B.A., LL.B.
PROFESSOR NAYLOR	T. S. POOLE, M.A.
W. J. ISBISTER, LL.B.	E. W. BENHAM, LL.B.

**Faculty of Medicine.**

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PROFESSOR NAYLOR	D. H. HOLLIDGE, M.A.

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 B. S. ROACH

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 THE DEAN OF THE FACULTY OF MEDICINE  
 THE DEAN OF THE FACULTY OF ARTS  
 THE DEAN OF THE FACULTY OF SCIENCE  
 THE DEAN OF THE FACULTY OF MUSIC  
 THE CHAIRMAN OF THE BOARD OF MUSICAL STUDIES.

**Sports Ground Committee.**

S. J. JACOBS, CHAIRMAN.

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 HON. G. BROOKMAN  
 PROFESSOR HENDERSON  
 PROFESSOR NAYLOR

R. H. WALLMANN, LL.B.  
 G. C. CAMPBELL, B.A., LL.B.  
 H. W. D. STODDART

**Endowments.**

Date.	Donor.	Amount.	Object.
1872	Sir W. W. Hughes ..	£ 20,000	Endowment of Chairs in Classics and English Literature.
1874	Sir Thos. Elder ..	20,000	Endowment of Chairs in Mathematics and Natural Science.
1878	Hon. J. H. Angas ..	4,000	To found an Engineering Scholarship.
1879	South Australian Commercial Travellers' Association	150	To found a Scholarship (Commercial Travellers).
1880	Public Subscriptions ..	500	To found Scholarships for English Literature in Memory of John Howard Clark.
1883	Sir Thos. Elder ..	10,000	Endowment of a Medical School.
1883	Public Subscriptions ..	500	For Prizes and Scholarship in Memory of Mr. Justice Stow.
1884	Hon. J. H. Angas ..	6,000	Endowment of a Chair of Chemistry.
1884-89	Sir Thos. Elder ..	1,500	In support of Chair of Music.
"	Private Subscriptions ..	1,150	
1884	Sir Thos. Elder ..	1,000	Endowment of Evening Classes.
"	Literary Societies' Union	220	
1886	Public Subscriptions ..	800	Endowment of Lectureship on Ophthalmic Surgery in Memory of Dr. Chas. Gosse.
1888-89	Sir Thos. Elder ..	1,000	To enable the Council to establish full Medical curriculum.
1890	W. Everard, Esq. ..	1,000	To found a Scholarship (The Everard Scholarship in Medicine).
1890	St. Alban Lodge of Free and Accepted Masons	150	To found the St. Alban Scholarship.
1896	Public Subscriptions ..	160	To found a Scholarship in Memory of the Rev. W. Roby Fletcher.
1896	Mrs. Davies Thomas ..	400	To found Scholarships in Memory of Dr. John Davies Thomas.
1897	Sir Thos. Elder ..	20,000	Endowment of School of Medicine.
1897	Sir Thos. Elder ..	20,000	Endowment of School of Music.
1897	Sir Thos. Elder ..	25 000	Endowment for general purposes.
1898	Public Subscriptions ..	600	To found Studentships in Memory of John Anderson Hartley.
1900	Public Subscriptions ..	600 3 0	For general purposes.
	His Excellency Lord Tennyson	100	To provide Medals for English Literature in the Junior, Senior, and Higher Public Examinations.
1900	Trustees of Robert Whinham Fund	84 9 6	To provide for the Robert Whinham prize for Elocution in the Elder Conservatorium.

ENDOWMENTS—*continued.*

Date.	Donor.	Amount.	Object.
1902	Public Subscriptions ...	£ 473 1 3	Endowment of Lectureship on Gynaecology in memory of Dr. Edward Willis Way.
1902	Public Subscriptions ..	60 0 0	To provide a Medal for Geological work in memory of Professor Ralph Tate.
1903	Joseph Fisher, Esq. ..	1,000	To provide Fisher Medal in Commerce for course for Advanced Commercial Certificate and for the Fisher Lecture in Commerce
1892-1911	R. Barr Smith, Esq. ...	3,000	For purchase of books for University Library.
1907	G. J. R. Murray, Esq., K.C., B.A., LL.B.	1,000	To found a Scholarship (The Tinline Scholarship for History)
1907 1907-9	Miss Julia Stuckey .. Miss E. M. Bunday, } Mus. Bac.	500 0 0 3 3 0	For the encouragement of the Study of Botany.
1908	Bequest—David Murray Esq.	2,000	For Scholarships
1908	R. Barr Smith, Esq. ..	150	For Prizes for Greek
1908	Private Subscriptions ..	115	To provide Prizes in Latin in memory of the late Andrew Scott, B.A.

## Donations.

Date.	Donor.	Amount.	Object
1879 } 1882 }	The Right Hon. Sir S. J. Way, Bart. ..	£ 500 0 0	For University Buildings.
1882-96	Sir Thos. Elder ..	260 0 0	Prizes for Physiology.
1903 } 1907 }	R. Barr Smith, Esq. ...	1,000 0 0	For purchase of Apparatus.
1907-10	Anonymous Donor ..	1,250 0 0	For the purposes of the Law School.
1904	Chamber of Commerce	25 0 0	For the purposes of the Board of Commercial Studies
1905	" "	25 0 0	Ditto
1906	" "	25 0 0	Ditto
1903	John Shiels, Esq. ...	3 3 0	Ditto
1905-11	Pharmaceutical Society of South Australia ..	51 0 0	General purposes
1911	Anonymous Donor ..	500 0 0	For the Lowrie Scholarship in Agriculture

# STATUTES.

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## **Chapter I.—Of the Chancellor and Vice-Chancellor.**

1. The Chancellor shall hold office until the ninth day of November in the fifth year from the date of his election.
  2. The Vice-Chancellor shall hold office until the day preceding that on which he would have retired from the Council if he had not been Vice-Chancellor.
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## **Chapter II.—Of the Council.**

1. The Council shall meet for the dispatch of business at least once a month.
  2. The Chancellor or Vice-Chancellor shall have power to call a Special Meeting for the consideration and dispatch of business, which either may wish to submit to the Council.
  3. The Chancellor or Vice-Chancellor, or in their absence the Registrar shall convene a meeting of the Council upon the written requisition of four members, and such requisition shall set forth the objects for which the meeting is required to be convened. The meeting shall be held within fourteen days after the receipt of the requisition.
  4. The Council shall have power to make, amend, and repeal Standing Orders for the regulation of its proceedings.
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## **Chapter III.—Of the Senate.**

1. The Senate shall meet at the University on the fourth Wednesday in the months of March, July, and November respectively; but if the Warden is of opinion that there is not sufficient business to bring before the Senate, he may direct notice to be issued that the meeting shall for that time lapse.
2. The Warden may at any time convene a meeting of the Senate.
3. Upon a requisition signed by twenty members of the Senate, setting forth the objects for which they desire the meeting to be convened, the Warden shall convene a Special Meeting to be held within not less than seven nor more than fourteen days from the date of the receipt by him of such requisition.

4. The Senate shall have power from time to time to make, amend and repeal Standing Orders for the regulation of its proceedings. Until amended or repealed the Standing Orders of the Senate adopted on the 2nd December, 1885, shall remain in force.

#### Chapter IV.—Of Professors and Lecturers.

1. There shall for the present be the following Professors, that is to say :

- a. The Hughes Professor of Classics and Comparative Philology and Literature.
- b. The Hughes Professor of English Language and Literature and Mental and Moral Philosophy.
- c. The Elder Professor of Pure and Applied Mathematics, who shall also give instruction in Physics.
- d. The Elder Professor of Natural Science.
- e. The Elder Professor of Anatomy, who shall also give instruction in Comparative Anatomy, shall be the Director of the Anatomical Museum, and shall prepare specimens of Anatomy, Pathology, and Microscopic Anatomy for the same.
- f. The Angas Professor of Chemistry, who shall be the Director of the Chemical Laboratory, shall conduct classes in Practical Analysis, and shall, if required, give special instruction in the various methods employed in the detection of poisons and in the adulteration of foods and drugs. Nothing contained in these Statutes shall prevent the Angas Professor of Chemistry from accepting any public appointment, with the sanction of the Council.
- \*g. The Elder Professor of Music.
- †h. The Professor of Laws.
- ‡i. The Professor of Physiology.
- ‡j. The Professor of Modern History and English Language and Literature.
- §k. The Professor of Engineering.

2. There shall be such other Professors and such Lecturers as the Council shall from time to time appoint.

\* Allowed January 26, 1898.

† Allowed June 11, 1890.

‡ Allowed April 11, 1900.

§ Allowed April 10, 1907.

3. Each Professor and Lecturer shall hold office on such terms as have been or may be fixed by the Council at the time of making the appointment.

4. Whenever sickness or any other cause shall incapacitate any Professor or Lecturer from performing the duties of his office, the Council may appoint a substitute to act in his stead during such incapacity, and such substitute shall receive such proportion not exceeding one-half of the salary of the Professor or Lecturer so incapacitated as the Council shall direct.

5. The Council may at its discretion dismiss from his office or suspend for a time from performing the duties and receiving the salary thereof any Professor whose continuance in his office or in the performance of the duties thereof shall in the opinion of the Council be injurious to the progress of the students or to the interests of the University: Provided that no such dismissal shall have effect until confirmed by the Visitor.

6. No Professor shall sit in Parliament or become a member of any political association; nor shall he (without the sanction of the Council) give private instruction or deliver lectures to persons not being students of the University.

7. The Professors and Lecturers shall take such part in the University Examinations as the Council shall direct, but no Professor or Lecturer shall be required to examine in any subject which it is not his duty to teach.

8. During Term, except on Sundays and public holidays, the whole time of the Professors shall be at the disposal of the Council for the purposes of the University: Provided that the Council may for sufficient reason, on the application of any Professor, exempt him altogether, partly, or on particular occasions, from this Statute, and may at pleasure rescind any such exemption.\*

*\* The second clause of Section 8 was allowed June 11, 1890.*

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### **Chapter V.—Of the Registrar.**

1. There shall be a Registrar of the University, who shall perform such duties as the Council may from time to time appoint.†

2. The Council may at any time appoint a deputy to act in the place of the Registrar for such period as they may think fit, and assign to him any of the duties of Registrar.

*† Allowed 18th September, 1900.*

### **Chapter VI.—Of Leave of Absence.**

1. The Council may at its discretion grant to any Professor or Lecturer, or any officer of the University, leave of absence for any time not exceeding one year, on such Professor or Lecturer or other officer providing a substitute, to be approved by the Council.

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### **Chapter VII.—Of the Seal of the University.**

The Chancellor and Vice-Chancellor shall be the Custodians of the University Seal which shall be affixed to documents only at a meeting of the Council and by the direction thereof.

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### **Chapter VIII.—Of Terms.**

\*1. The Academical Year shall be divided into three terms for all the Faculties.†

2. The first term shall commence on the second Tuesday in March, and the third term shall terminate on the second Tuesday in December in each year.

3. The Council shall year by year fix the commencement of the second and third and the termination of the first and second terms, and there shall be two vacations of a fortnight each during the Academical Year.

*\* Allowed 3rd December, 1902.*

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### **Chapter IX.—Of Matriculation and Degrees.**

1. Every person not being less than sixteen years of age who has complied with the conditions for admission to the course of study for a degree in the Faculty in which he proposes to become a student, and who in the presence of the Registrar or other duly appointed person signs his name in the University Roll Book to the following declaration shall thereby become a Matriculated Student of the University. The declaration shall be in the following form :

“I do solemnly promise that I will faithfully obey the Statutes and Regulations of the University of Adelaide so far as they may apply to me, and that I will submit respectfully to the constituted authorities of the said University, and I declare that I believe myself to have attained the full age of sixteen years.”

† NOTE.—In the Elder Conservatorium there are four terms. (See No. V. of the Conservatorium Regulations.)

2. Students who shall have fulfilled all the conditions prescribed by the Statutes and Regulations for any Degree may be admitted to that Degree at a meeting of the Council and Senate, to be held at such time as the Council shall determine.

3. Any person who has been admitted to a Degree in any University recognized by the University of Adelaide, may be admitted *ad eundem gradum* in the University of Adelaide.

4. Every candidate for admission to a Degree in the University shall be presented by the Dean of his Faculty; but candidates may be admitted *in absentia* with the permission of the Council.

5. Persons who have completed the whole or part of their undergraduate course in any University or College of a University recognised by the University of Adelaide, may with the permission of the Council be admitted *ad eundem statum* in the University of Adelaide.

6. The following shall be the forms of Presentation for Admission to Degrees :

Form of Presentation for Students of the University of Adelaide.

Mr. Chancellor, Mr. Vice-Chancellor, and Members of the Council and Senate of the University of Adelaide.

I present to you \_\_\_\_\_ as a fit and proper person to be admitted to the Degree of \_\_\_\_\_ . And I certify to you and to the whole University that he has fulfilled the conditions prescribed for admission to that Degree.

Form of Presentation for Graduates of other Universities.

Mr. Chancellor, Mr. Vice-Chancellor, and Members of the Council and Senate of the University of Adelaide.

I present to you \_\_\_\_\_ who has been admitted to the Degree of \_\_\_\_\_ in the University of \_\_\_\_\_ as a fit and proper person to be admitted to the rank and privileges of that degree in the University of Adelaide.

Form of Admission to any Degree.

By virtue of the authority committed to me, I admit you \_\_\_\_\_ to the rank and privileges of a \_\_\_\_\_ in the University of Adelaide.

Form of Admission to any Degree during the Absence of the Candidate.

By virtue of the authority committed to me, I admit in his absence from South Australia \_\_\_\_\_ to the rank and privileges of a \_\_\_\_\_ in the University of Adelaide.

**Chapter X.—Of the Faculties.**

- \*1. There shall be Faculties of Arts, Science, Law, Medicine, and Music.
- \*2. (a) The Faculty of Arts shall consist of the Chancellor and Vice-Chancellor, the Professors and Lecturers in Greek, Latin, English Language and Literature, French, German, History, Economics, Mental and Moral Science, the Professor of Mathematics, and the Dean of the Faculty of Science, and, to be appointed annually by the Council, three members of the Council, and one member, or if the Professor of Mathematics be Dean, then two members of the Faculty of Science.
- (b) The Faculty of Law shall consist of the Chancellor and Vice-Chancellor, of all members of the Council who are Judges of the Supreme Court, the Professors and Lecturers in Law, the Professor of Classics, and the Dean of the Faculty of Arts, and, to be appointed annually by the Council, three members of the Council, and one member, or if the Professor of Classics be Dean, then two members of the Faculty of Arts.
- (c) Each of the other Faculties shall consist of the Chancellor and Vice-Chancellor, the Professors and Lecturers in the subjects of the Course of the Faculty, and to be appointed annually by the Council, three other members of the Council.
- (d) The Council may appoint any other persons to be members of a Faculty, either temporarily or otherwise.
3. Each Faculty shall advise the Council on all questions touching the studies, lectures, and examinations in the Course of the Faculty.
4. Each Faculty shall annually elect one of their number to be Dean of the Faculty.
5. The Dean of each Faculty shall perform such duties as shall from time to time be prescribed by the Council and (amongst others) the following :—
- a. He shall, at his own discretion, or on the written request of the Chancellor or Vice-Chancellor, or of two members of the Faculty, convene meetings of the Faculty.
  - b. He shall preside at all meetings of the Faculty at which he shall be present.
  - c. Subject to the control of the Faculty he shall exercise a general superintendence over its administrative business.

*\* Allowed 7th December, 1904.*

6. When the Dean is absent from a meeting, the Faculty shall elect a Chairman for that occasion.

7. The Board of Examiners in the subjects of the Course of each Faculty shall consist of the Professors and Lecturers in those subjects, together with such Examiners as may be appointed by the Council.

8. The appointment of examiners in Law in the subjects necessary for admission to the Bar shall be subject to approval by the Judges of the Supreme Court.

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### **Chapter XI.—Of the Board of Musical Studies.**

\*1. There shall be a Board of Musical Studies, consisting of the Chancellor and Vice-Chancellor, three members of the Council to be annually appointed by the Council, and the Director of the Elder Conservatorium. The Council may at any time appoint any other persons to be, temporarily or otherwise, members of the Board.

2. The Board shall advise the Council upon all questions touching the administrative business, the studies, lectures, and examinations in Music in the Elder Conservatorium, and upon all other subjects on which the Council shall request their advice.

3. The Board shall annually elect a Chairman.

4. The Chairman shall perform such duties as shall from time to time be prescribed by the Board and approved by the Council, and (amongst others) the following—

He shall at his own discretion, or upon the written request of the Chancellor or Vice-Chancellor, or of two members of the Board, convene meetings of the Board.

He shall preside at the meetings of the Board.

Subject to the control of the Board, he shall exercise a general control over its administrative business.

5. When the Chairman is absent from a meeting, the Board shall elect one of their number to preside.

6. The Council shall, when necessary, appoint a sufficient number of Examiners, who, together with the Director and Teachers of the Elder Conservatorium, shall constitute the Board of Examiners.

*\* Allowed April 24, 1907.*

*Allowed 7th December, 1904.*

### Chapter XII.—Of the Board of Discipline.

1. There shall be a Board of Discipline consisting of the Chancellor, the Vice-Chancellor, the Deans of the various Faculties, the Chairman of the Board of Musical Studies, and such Professors or Lecturers as may be appointed by the Council.

2. The Board shall annually elect a Chairman. When the Chairman is absent from a meeting, the Board shall elect a Chairman for that occasion.

3. The Chairman shall perform such duties as shall from time to time be prescribed by the Council, and (amongst others) the following :—

He shall at his own discretion, or upon the written request of the Chancellor or Vice-Chancellor, or of two members of the Board, convene meetings of the Board.

He shall preside at the meetings of the Board.

Subject to the control of the Board, he shall exercise a general control over the discipline of the University.

4. Subject to the approval of the Council the Board may make Rules for the conduct of students on the premises of the University.

5. It shall be the duty of the Board to enquire into any complaint against a student, and the Board shall have the power

- (a) To dismiss such complaint.
- (b) To admonish the Student complained against.
- (c) To inflict a fine on such Student not exceeding forty shillings.
- (d) To administer a reprimand either in private or in the presence of any Class attended by such Student.
- (e) To suspend such Student temporarily from attendance on any course of instruction in the University.
- (f) To exclude such Student from any place of recreation or study in the University for any time not extending beyond the current Academical Year.
- (g) To expel from the University such Student.

Every such decision of the Board shall be reported to the Council, who may reverse, vary, or confirm the same.

6. Any Professor or Lecturer may dismiss from his class any student whom he considers guilty of impropriety, but shall on the same day report his action and the ground of his complaint to the Chairman.

### **Chapter XIII. Of the "Angas Engineering Scholarship" and the "Angas Engineering Exhibitions,"**

Whereas on the 4th day of January, 1888, the Honourable John Howard Angas, M.L.C., paid the sum of £4,000 to the University for the purpose of permanently founding with the income thereof and the annual grant payable in respect thereof under the Fifteenth Section of the University Act, the Angas Engineering Scholarship and the Angas Engineering Exhibitions, according to certain Statutes approved of by the said John Howard Angas, and afterwards allowed and countersigned by the Governor on the 18th day of January, 1888: And whereas it was provided by such Statutes that during the life of the said John Howard Angas they should not be repealed or altered without his consent: And whereas, with the consent and approval of the said John Howard Angas, other Statutes have from time to time been made by the University and allowed and countersigned by the Governor concerning the said Scholarship and Exhibitions: And whereas the said John Howard Angas has consented to the repeal of all such Statutes as are now in force concerning the said Scholarship and Exhibitions and to the substitution of the following Statutes therefor—Now it is hereby provided as follows:—

#### **A. The Angas Engineering Scholarship.**

I. There shall be a Scholarship of the annual value of £200 tenable for two years, called the "Angas Engineering Scholarship."

\*II. Each candidate for the Scholarship must be under twenty-five years of age on the first day of the month in which he shall compete for it, and must have resided in South Australia for at least five years. He shall produce such evidence of good health as shall be satisfactory to the Council.

\*III. Candidates for the Scholarship must have graduated in Arts or Science at the University of Adelaide.

IV. The Scholarship shall be competed for biennially, in the month of June. If on any competition the Examiners shall not consider any candidate worthy to receive it, the Scholarship shall for that year lapse, but shall be again competed for in the month of June next ensuing.

\* Allowed January 13, 1909.

\*V. The Scholarship shall be awarded by the Examiners on a comparison of the academic records of the candidates, and also on the merits of an original thesis, design, or investigation, as set forth in the next paragraph.

Each candidate for the Scholarship must send in to the Examiners, on or before June 1st of the year in which the competition is held, either an original engineering design or a thesis setting forth the results of an original scientific investigation made by the candidate in some subject allied to engineering. The subject of the design or thesis must have been submitted to, and approved by, the Faculty of Science at least three months previously. Each candidate must adduce, if required, sufficient evidence of the authenticity of his design or thesis. He may, if the Examiners think fit, be required to pass an examination in that branch of the work from which the subject of his design or thesis is taken.

VI. Within such time after gaining the Scholarship as the Council shall in each case allow, the Scholar shall proceed to the United Kingdom and there spend the whole of the time, during which the Scholarship is tenable, in articles to an Engineer, or as a student of engineering in a College or University there, or partly in articles to an Engineer and partly as a student of engineering in a College or University, such Engineer, College, or University to be approved by the Council; provided that the Scholar may by special permission of the Council spend the whole or part of his time in study or practical training outside the United Kingdom.

VII. Payment of the Scholarship computed from the first day of July following the competition, shall be made quarterly, at the office of the Agent-General in London, or at such other place or places as the Council shall from time to time direct, subject after the first payment to the previous receipt of satisfactory evidence of good behaviour and continuous progress in Engineering Studies, according to the course proposed to be followed by the Scholar.

VIII. Whenever such evidence is not satisfactory, the Council may altogether withhold, or may suspend for such time as it may deem proper, payment of the whole or of such portion as it may think fit of any moneys due, or to accrue due, to the Scholar on account of the Scholarship, or may deprive him of his Scholarship.

IX. On his returning to settle in South Australia within five years from the time of gaining the Scholarship, and in possession of such Degree, Diploma, or Certificate as an Engineer as the Council shall approve, and upon his writing to the approval of the Council a report of his proceedings and engineering work, the Scholar shall receive the further sum of £70 towards his travelling expenses.

*Allowed January 13, 1909.*

X. Should any successful candidate not retain the Scholarship for the full period of two years, notice of the vacancy shall be published by the Council in the Adelaide daily papers ; and an examination shall be held in the month of June next ensuing.

### **B. The Angas Engineering Exhibitions.**

\*XI. There shall also be three "Angas Engineering Exhibitions," of which one may be awarded in each year. Each Exhibition shall be of the annual value of Forty Pounds, and be tenable for three years.

†XII. One of the Angas Engineering Exhibitions shall be open for competition at an examination in the month of November or December of each year, in subjects prescribed one year previously by the Council ; but the Exhibition shall not be awarded unless the Examiners are satisfied that one of the candidates is worthy to receive it.

The Examiners shall record in writing the names of each candidate (if any) who satisfied them that he was worthy to receive the Exhibition ; the marks assigned to him ; and the name of the candidate to whom they recommend that it shall be awarded. The record shall be signed by the Examiners and kept by the Registrar.

†XIII. Each candidate must be not more than nineteen years of age on the 1st of December in the year in which the examination is held.

\*XIV. Each Exhibitioner shall within three months after being awarded his Exhibition enrol himself as a matriculated student in Science at the University of Adelaide ; shall thenceforward prosecute continuously and with diligence his studies for the Degree of Bachelor of Science ; shall attend lectures and pass examinations in such subjects in the Science course and the course for the Diploma in Applied Science as may be previously approved by the Council ; and at the end of each year shall produce a certificate, signed by the Professors and Lecturers whose classes he has attended, to the effect that his work and progress have been satisfactory. The Exhibition shall be forfeited if the holder fail to observe the above requirements, unless such failure shall, in the opinion of the Council, have been caused by ill-health or other unavoidable cause. The decision of the Council as to such forfeiture shall be final.

XV. Payment of the Exhibitions shall be made quarterly, beginning with the first day of June following the award, out of the income (when received) of the money hereinafter mentioned ; but payment need not be made to any Exhibitioner whose conduct as a student throughout the

*\* Allowed January 13, 1909.*

*† Allowed January 19, 1910.*

quarter has not been in every respect satisfactory to the Council. The decision of the Council on any such questions shall be final.

\*XVI. Should any Exhibitioner not retain his Exhibition for three years, the Council may at its discretion

- (a) Award it to any candidate who, at the original examination, was worthy to receive it ; or
- (b) Offer it for competition at a special examination in subjects to be prescribed by the Council. All persons shall be allowed to compete who were of an age to do so at the original examination.

The Exhibition shall not be awarded unless the Council is satisfied that one of the candidates is worthy to receive it ; and, if awarded, shall (notwithstanding anything in these Statutes contained) be held only from the date of the award until the expiration of the three years during which it would have been held had the vacancy not occurred ; or

- (c) Withhold it for such time as the Council deems fit.

XVII. No Exhibitioner shall, save by permission of the Council, hold concurrently with his Exhibition any other Exhibition or any Scholarship.

### C. General.

XVIII. Candidates for the Scholarship shall give at least three calendar months' notice, and candidates for the Exhibition at least one calendar month's notice, in the prescribed form, of their intention to compete, and shall with their notices forward to the Registrar evidence satisfactory to the Council of having fulfilled the conditions stated in these Statutes.

XIX. The sum of £4,000 paid to the University as aforesaid by the said John Howard Angas, shall be invested in such a manner as to entitle the University to the annual grant, equal to five pounds per centum per annum thereon, under the Fifteenth Section of the Adelaide University Act. The income (including such grant) to be derived from the said sum, or so much of such income as shall be sufficient, shall be applied in paying the said Scholarship and Exhibitions, and the sum of £70 mentioned in the ninth of the Statutes in this chapter, and so much of such income as in any year shall not be so applied, shall be at the disposal of the Council for the purposes of the University.

XX. During the life of the said John Howard Angas the Statutes contained in this chapter shall not be repealed or altered without his consent.

\* Allowed January 19, 1910.

XXI. The following forms of notice are prescribed :—

NOTICE BY CANDIDATE OF INTENTION TO COMPETE FOR THE "ANGAS ENGINEERING SCHOLARSHIP."

I hereby give notice that it is my intention to present myself as a Candidate for the "Angas Engineering Scholarship" at the Special Examination to be held in the month of \_\_\_\_\_, 19\_\_\_\_, in the subjects of—

- 1.....
- 2.....
- 3.....
- 4.....
- 5.....
- 6.....
- 7.....

I send herewith the documentary evidence specified in the underwritten schedule.

Dated this..... day of.....19 .

Signature of Candidate .....

Address of Candidate .....

*This is the schedule referred to in the above-written notice*

- 1. Proof of date of my birth.....
- 2. Proof of residence for five years in South Australia .....
- 3. Proof of good health.....
- 4. Proof of graduation in Arts or Science at the University of Adelaide... ..

Signature of Candidate.....

NOTICE BY CANDIDATE OF INTENTION TO COMPETE FOR AN "ANGAS ENGINEERING EXHIBITION."

I hereby give notice that I intend to present myself as a Candidate for an "Angas Engineering Exhibition" at the Examination to be held in the month of \_\_\_\_\_, 19\_\_\_\_, and I send herewith the documentary evidence specified in the underwritten Schedule.

Dated this... day of.....19

Signature of Candidate.....

Address of Candidate.....

*This is the schedule referred to in the above-written notice.*

- 1. Proof of date of my birth....
- 2. Certificate that I have passed the requisite Examination.....

Signature of Candidate.....

XXII. The Statutes concerning the "Angas Engineering Scholarship" and the "Angas Engineering Exhibitions," which were allowed and countersigned by the Governor on the 14th day of December, 1901, are hereby repealed: Provided that this repeal shall not affect any right or status acquired, duty imposed, or liability incurred by or under these Statutes hereby repealed before the Statutes contained in this chapter shall come into operation.

*Allowed 3rd December, 1903.*

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#### **Chapter XIV.—Of The John Howard Clark Scholarship.**

Whereas the University of Adelaide has received and has invested the sum of £500 for the purpose of perpetuating the name of John Howard Clark: And whereas it was agreed with the donors that the word "income" in these Statutes should include not only the interest to accrue from the said sum but grants to be received from the Government in respect thereof:

It is hereby provided that:—

1. There shall be an annual prize, to be called the John Howard Clark Prize, which shall consist of one-half the annual income of the fund received by the University as aforesaid.

2. The Prize shall be awarded to the candidate at the annual examination, in November, for the Ordinary Degree of Bachelor of Arts, who shall have passed the best examination in the subject of English Language and Literature, and who shall be adjudged by the Examiners to be worthy of the Prize.

3. If more than one candidate shall be considered by the Examiners to have attained a standard worthy of the Prize, the name of the second in order of merit shall be reported to the Council.

4. If the Examiners shall not consider any candidate worthy of the Prize, they shall so report, and no award shall be made for that year; but there shall not be by reason of that lapse more than one prizeman in the following year.

5. The prizeman shall, within six months from the award, submit to the Faculty of Arts a topic in English Literature, and, if this is approved by the Faculty, shall at the end of a year from the award, present to the Council a thesis on that topic. The Council may under special circumstances grant an

extension, not exceeding six months, of the period allowed. If the Prizeman complies with these conditions, and the thesis is pronounced by the Examiners, appointed by the Council, to be worthy, he shall receive a further payment of one-half the income available from the fund, and shall be entitled to the title of "John Howard Clark Scholar." If the thesis is pronounced unworthy, he shall have no right to such payment or such title, and they shall not be awarded.

6. The Prizeman may at any time during the year following the original award be called upon by the Council to give proof that he is devoting himself to the study of Literature, with a view to producing a worthy thesis. If he fails to give such proof when called upon, or if in any respect he fails to comply with the conditions of these Statutes or to comport himself to the satisfaction of the Council, he may, by resolution of the Council, be deprived of all further rights as Prizeman. In such case, or in case of resignation by the Prizeman of his rights, the candidate who was placed second to him in the original award may be allowed, on such conditions as the Council may approve, to prepare and present a thesis and to qualify for the title of Scholar.

*Allowed 21st December, 1910.*

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#### **Chapter XV.—Of the Stow Prizes and Scholar.**

Whereas a sum of Five Hundred Pounds was subscribed with the intention of founding Prizes in memory of the late Randolph Isham Stow, sometime one of the Justices of Her Majesty's Supreme Court of this Province. And whereas the said sum was paid to the University for the purpose of establishing the prizes hereinafter mentioned: It is hereby provided:

1. That there shall be annual prizes, to be called "The Stow Prizes."

2. Each of such Prizes shall consist of the sum of fifteen pounds, or (at the option of the prizeman) of books to be selected by him of the value of fifteen pounds.

\*3. A Stow Prize may be awarded to any Candidate for the LL.B. Degree, who, at any November Examination, in the opinion of the Board of Examiners shall have shown exceptional merit in not less than two subjects.

*\*Allowed December 12, 1907*

4. Not more than four Stow Prizes may be awarded in any one year.

5. Every Bachelor of Laws, who shall during his course have obtained three Stow Prizes, shall receive a gold medal, and shall be styled "Stow Scholar."

*Allowed January, 1899.*

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### **Chapter XVI.—Of the Commercial Travellers' Association Scholarship.**

Whereas a sum of One Hundred and Fifty Pounds has been paid to the University by the Commercial Travellers' Association (Incorporated) for the purpose of founding a Scholarship, it is hereby provided that

1. The said Scholarship shall be awarded by the said University to any matriculated student thereof, who being a son or daughter of a member of the said Association shall be nominated by the Committee of Management of the said Association, and such student so nominated shall hold such scholarship for one or more consecutive years, as the Committee of Management of the said Association shall from time to time declare; and it shall be lawful for the Committee of Management of the said Association from time to time, at the end of any academical year, to substitute another student for the holder of the said Scholarship for the time being, and such substitute shall thereupon have all the advantages connected with the holding of such Scholarship.

2. The holder of the said Scholarship shall have the following advantages, that is to say: he shall be exempt from payment of all University fees during such time as he shall hold the Scholarship up to and including the fees payable on taking the Degree of Bachelor of Arts, Bachelor of Science, or Bachelor of Music; but in case any student shall cease to hold the Scholarship, such student shall not be exempt from payment of such fees after the time at which he shall cease to hold such Scholarship. And any holder of such Scholarship taking the Degree of Bachelor of Arts, Bachelor of Science, or Bachelor of Music while holding such Scholarship shall be entitled to have the fee paid by him on matriculation or on entering for the Senior Public Examination returned to him.

3. Every such scholar shall be in all respects subject to the discipline and to the Statutes and Regulations for the time being of the said University.

4. Save by permission of the Council of the said University, no such scholar shall be entitled to exemption from University fees during more than nine consecutive Academic Terms, computed from the day next preceding the commencement of the Academic year in which, or in the vacation preceding which, he or she becomes a scholar.

\*5. Whenever there shall not be a Scholar, the said Committee may in any Academical year nominate some student (being a son or daughter of a member, or deceased member, of the said Association) in the Faculties of Arts or Science or a Student of Music (including any student in the Elder Conservatorium), and such student shall be entitled to exemption from fees payable during that year to an amount not exceeding £10.

\*6. The third Clause of the Statute relating to the Commercial Travellers' Association shall apply to all such students.

*\* Allowed 27th December, 1899.*

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### **Chapter XVIa.—Of the Everard Scholarship.**

Whereas the late William Everard has bequeathed the sum of £1,000 to the University, for the purpose of founding a Scholarship to be called by his name, and the Council of the University of Adelaide have agreed to invest that sum and to apply the income thereof in the manner specified in these statutes, It is hereby provided that in consideration of the receipt by the University of the above-mentioned sum—

1. The Scholarship shall be called "The Everard Scholarship," and shall be competed for annually.

\*2. The Scholarship shall be of the value of Thirty Pounds, and shall be paid to the Scholar in one sum at the Commemoration at which the Scholar is entitled to take his Degree.

*Allowed January 13, 1909*

3. The Scholarship shall be awarded to the Student who shall be placed first in the Class List of the Final Examination for the Degrees of Bachelor of Medicine and Bachelor of Surgery ; provided that he shall have passed through the whole of his medical course at this University and that he shall be considered worthy by the Board of Examiners.

4. The Scholar so appointed shall in the certificate of his Degree be styled the "Everard Scholar."

*Allowed 13th November, 1890.*

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### **Chapter XVII.—Of Conduct at Examinations.**

XVII. A candidate must not during any examination whatever :—

- (a) have in his or her possession any book or notes or any other means whereby he or she may improperly obtain assistance in his or her work ; or
- (b) directly or indirectly give assistance to any other candidate, or
- (c) permit any other candidate to copy from or otherwise use his or her papers ; or
- (d) directly or indirectly accept assistance from any other candidate ; or
- (e) use any papers of any other candidate ; or
- (f) be guilty of any breach of good order or propriety.

Any candidate who shall be guilty of a breach of any of the provisions of this regulation shall lose that examination ; and, if detected at the time, shall be summarily dismissed from the examination room ; and shall be liable to such further punishment, whether by exclusion from future examinations or otherwise, as the Council may determine.

*Allowed 3rd January, 1907.*

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### **Chapter XVIII.—Of Academic Dress.**

1. At all lectures, examinations, and public ceremonials of the University, Graduates and Undergraduates must appear in academic dress.

2. The academic dress shall be :

For Undergraduates—A plain black stuff gown and trencher cap.

For all Graduates—A black trencher cap with black silk tassel; and

For Bachelors and Doctors of Laws, Bachelors and Doctors of Medicine, Bachelors and Masters of Surgery, Bachelors and Masters of Arts, Bachelors and Doctors of Science, Bachelors and Doctors of Music—Black gowns similar in shape and material to those used at Cambridge for the same Degrees, and hoods of the same shape as those used at that University.

The hoods for Bachelors to be of black silk or stuff lined to a width of six inches with silk. The colour of such lining to be, for Bachelors of Laws, blue; for Bachelors of Medicine and Bachelors of Surgery, rose; for Bachelors of Arts, grey; for Bachelors of Science, yellow; and for Bachelors of Music, green.

The hoods for Masters to be of black silk lined entirely with silk of a darker shade of the colour used for the hoods for Bachelors of the same faculty.

The hoods for Doctors to be of silk of a darker shade of the colour used for the hoods of Bachelors of the same faculty, lined entirely with silk of the lighter shade of the same colour.

The colours above referred to shall accord with specimens attached to a document marked A, to which the seal of the University has been affixed.

3. Notwithstanding anything contained herein, members of the Senate who have been admitted *ad eundem gradum* may at their option wear the academic dress appropriate to the Degree in virtue of which they have been so admitted.

*Allowed 9th December, 1891.*

### Chapter XIX.—Saving Clause and Repeal.

1. The Chancellor, Vice-Chancellor, Professors, Lecturers, Registrar, and other officers of the University at the time of the allowance, and counter-signature by the Governor of these statutes shall have the same rank, precedence, and titles, and hold their offices by the same tenure, and upon, and subject to the same terms and conditions, and (save the Chancellor and Vice-Chancellor) receive the same salaries and emoluments, and be subject to dismissal from their offices and suspension for a time from performing the duties and receiving the salaries thereto as if these statutes had not been made.

2. From and after the allowance and countersignature by the Governor of these statutes there shall be repealed :—

The statutes allowed and countersigned by the Governor on each of the undermentioned days, viz :—

1. The 28th day of January, 1876.
2. The 7th day of November, 1881.
3. The 12th day of December, 1882.
4. The 16th day of September, 1885.

And the Regulations allowed and countersigned by the Governor on the 21st day of August, 1878.

Provided that—

- I. This repeal shall not affect—
  - a. Anything done or suffered before the allowance and countersignature by the Governor of these statutes under any statute or regulation repealed by these statutes ; or
  - b. Any right or status acquired, duty imposed, or liability incurred by or under any statute hereby repealed ; or
  - c. The validity of any order or regulation made under any statute or regulation hereby repealed ; and
- II. In particular, but without prejudice to the generality of the foregoing provisions, the repeal effected by these Statutes shall not alter the rank, precedence, titles, duties, conditions, restrictions, rights, salaries, or emoluments attached to the Chancellorship or Vice-Chancellorship or to any Professorship, Lectureship, Registrarship, or other office held by the present Chancellor or Vice Chancellor, or by any existing Professor, Lecturer, Registrar, or other officer.

*Allowed the 18th December, 1886.*

### **Chapter XX.—Of the Roby Fletcher Prize.**

Whereas a sum of £160 has been paid to the University by various subscribers for the purpose of founding a prize in memory of the late Rev. William Roby Fletcher, M.A., formerly Vice-Chancellor of the University, it is hereby provided that :—

The Roby Fletcher prize shall be £10, and shall be awarded to the Student who passes the best examinations in Psychology and Logic for the Degree of Bachelor of Arts, provided he is of sufficient merit.

*Allowed 27th December, 1899.*

### **Chapter XXI.—Of the Dr. Davies-Thomas Scholarship.**

Whereas Mrs. Davies-Thomas has given the sum of £400 for the present purpose of founding two Scholarships to be called after the late Dr. Davies-Thomas, and the Council of the University of Adelaide have agreed to invest that sum and to apply the income thereof in the manner specified in these Statutes. It is hereby provided that in consideration of the receipt by the University of the above-mentioned sum:—

- I. The Scholarships shall be called the Dr. Davies-Thomas Scholarships, and shall be competed for annually.
- II. Each Scholarship shall be of the value of £10 and shall be awarded to the best student in each of the Third and Fourth years of the M.B. course who shall be placed in the First Class.
- \*III. The money shall be paid to the Scholars at the next ensuing Commemoration.

*\*Allowed 26th January, 1893.*

- IV. These Statutes may be varied from time to time.

*Allowed 15th December, 1896.*

### **Chapter XXII.—Of the Hartley Studentship.**

Whereas the sum of £600 has been subscribed with the intention of founding a Studentship in memory of the late John Anderson Hartley, Vice-Chancellor of the University of Adelaide, and Inspector-General of Schools, and whereas the said sum has been paid to the University of Adelaide to be used and administered by it in fulfilment of such intention, and the University has decided in recognition of the services of the said John Anderson Hartley to the said University from its foundation until his lamented death in 1896, to supplement the income from

the said sum, so as to give effect to the following scheme, it is hereby provided as follows:—

1. There shall be a Studentship, to be called the "Hartley Studentship," of the value of £25, open for competition every year to students intending to enter upon the course for the B.A., B.Sc., LL.B., M.B. and B.S., or Mus. Bac. degree.

2. The Hartley Studentship shall be awarded in each year to the most successful candidate at the Higher Public Examination in December, provided that in the opinion of the examiners he is of sufficient merit.

3. The subjects for such examination and their relative value shall be from time to time determined by the Council.

4. Every Hartley Student shall forthwith, after the award of the Studentship, commence his course, and shall diligently prosecute his studies for the B.A., B.Sc., LL.B., M.B. and B.S., or Mus. Bac. degree. Half the amount of the Studentship shall be paid when the student enters upon the course he has selected, and the other half when he has completed his first year, if, in the opinion of the Council, the student has done satisfactory work in that year. But if the Council shall decide, on the recommendation of the Faculty governing his course, that his work has not been satisfactory, the second payment may be suspended on such terms as the Council may decree, or may be declared forfeited.

5. These provisions shall be subject to alteration from time to time, in such manner as to the University shall seem fit.

‡ *Allowed 7th December, 1911.*

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### **XXIII.—Of the Election of Representatives on the Board of Governors of the Public Library, Museum, and Art Gallery.**

1. Meetings of the University to elect members of the Board of Governors of the South Australian Institute shall be held in Adelaide at such places as the Council shall from time to time appoint.

2. So soon as conveniently may be after these Statutes shall have been allowed and countersigned by the Governor, the Council shall convene a meeting of the University to elect two members of the said Board.

3. The Council shall also convene the University to meet on some day in each month of October to elect two members of the said Board.

4. Whenever the office held by any member of the said Board elected by the University shall become vacant during the period for which he was elected, the Council shall, so soon as conveniently may be thereafter, convene a meeting of the University to elect another member in his room.

5. Every meeting of the University for the election of a member of the said Board shall be convened not less than ten days before the day appointed for the meeting by the Registrar by a circular, specifying the place and time of meeting, and sent by post to the last known address in South Australia of, or delivered to, all members of the University who are resident in the Province.

6. Candidates shall be nominated in writing signed by two members of the University, and sent to the Registrar so as to reach him at least two days before the day appointed for the meeting, and no candidate will be eligible for election unless his written consent to act, if elected, reaches the Registrar not later than two days before the day of meeting.

7. If only the required number of members shall be eligible, the Chairman of the meeting shall declare such member or members elected.

8. If more than the required number of members be eligible, a printed voting paper containing the names of such members shall be given to each member present at the meeting, who may vote for the required number of candidates by striking out the names of the members for whom he does not vote.

9. The votes so given shall be counted by two tellers appointed by the Chairman before the election is proceeded with. The number of votes given for each candidate shall be reported in writing by the tellers to the Chairman, who shall then declare the result of the election.

10. At every such meeting the Chancellor, or in his absence the Vice-Chancellor, or in their absence the Warden of the Senate (if present) shall preside as Chairman, and in the absence of the Chancellor, Vice-Chancellor, and Warden, the members of the University present shall elect a Chairman.

11. No such meeting shall be constituted unless at least twelve members of the University be present within fifteen minutes after the time appointed for holding the meeting. At every such meeting all questions shall be decided by the majority of the members present. In

case of an equality of votes on any question or for any candidate, the Chairman shall give a casting vote.

12. The proceedings of and elections made by each such meeting shall be recorded by the Registrar in a book kept for that purpose, and shall be signed by the Chairman.

*Allowed April, 1880.*

### **Chapter XXIV.—Of Non-Graduating Students.**

1. Upon such terms and conditions and upon payment of such fees as the University or the Council prescribe, any person wishing to become a non-graduating student in the University or in any School therein may be admitted to any lectures, tuition, or examinations; and, if required, shall sign his or her name in a roll book, or upon a separate form, to the following agreement, or to such other similar agreement as the Council shall prescribe for non-graduating students generally, or for some of them :

“I agree with the University of Adelaide that I will obey all existing and future Statutes, Regulations, and Rules made or approved by the University or the Council so far as they may apply to me; and that I will respectfully submit to and obey the constituted authorities appointed by the University.”

2. Except when otherwise provided non-graduating students shall pay the same fees and be subject to the same Statutes, Regulations, and Rules regulating discipline and conduct as undergraduates.

3. From and after the allowance and countersignature by the Governor of these Statutes there shall be repealed hereby the Statutes, chapter XXIV., “Of Non-Graduating Students,” allowed by the Governor on the twenty-seventh day of December, in the year 1899; but such repeal shall not affect :

Anything done or suffered, any right or status acquired, duty imposed, or liability incurred under the repealed Statutes.

*Allowed 7th December, 1904.*

### **Chapter XXV.—Miscellaneous.**

1. In any Statute or Regulation unless there is something in the context repugnant to such construction words importing the masculine gender or singular number shall be construed to include the feminine and plural respectively and *vice versa*.

2. Statutes and Regulations relating to Scholarships, Studentships, Exhibitions, or Prizes may be varied from time to time, unless the founders have expressly stipulated to the contrary.
- \*3. In all cases where an age limit is not fixed by the Regulations persons who shall pass the same examination more than once shall not be qualified to receive any scholarship, exhibition, medal, prize, or other similar reward in respect of that examination save on the first occasion of their being examined.

*\*Allowed 12th August, 1903.*

*Allowed 27th December, 1899.*

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### **Chapter XXVI.—Of the Affiliation of Perth Technical School.**

Whereas application has been made by the Education Department of Western Australia for affiliation of Perth Technical School to the University, it is hereby provided that—

1. The Perth Technical School is affiliated to the University of Adelaide.
2. The Council of the University shall from time to time determine what courses of instruction at Perth Technical School shall qualify students in regular attendance thereat to sit for the examinations of the University of Adelaide.

*Allowed 11th December, 1901.*

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### **Chapter XXVII.—Of the Board of Commercial Studies.**

1. There shall for the present be a Board of Commercial Studies. The Board shall consist of the Chancellor, and Vice-Chancellor, (who shall be members ex officio) and of such other persons as the Council shall from time to time appoint. At its ordinary meeting in each month of November the Council shall declare the offices of its appointees vacant, and appoint the same or other persons to be members of the Board.

2. The Board shall advise the Council upon all matters touching the Studies, lectures and examinations in Commercial subjects, and the appointment of Lecturers and Examiners, and may perform such other duties and exercise such powers as the Council shall delegate to it.

3. The Board shall annually elect a Chairman.
4. The Chairman shall :—
  - a. At his own discretion or upon a written request by the Chancellor, Vice-Chancellor, or two other members of the Board, convene meetings of the Board.
  - b. Preside at meetings of the Board.
  - c. Exercise (subject to the control of the Board), a general control over its administrative business.
  - d. Perform such other duties as the Council shall from time to time prescribe.
5. Whenever the Chairman is absent from a meeting, the Board shall elect another member to preside during the Chairman's absence.

*Allowed 24th December, 1902.*

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**Chapter XXVIII. Of the "Joseph Fisher Medal of Commerce" and the "Joseph Fisher Lecture in Commerce."**

WHEREAS on the 17th day of April, 1903, Joseph Fisher, Esquire, paid the sum of £1,000 to the University for the purpose of promoting with the income thereof, and the annual grant payable in respect thereof, under the University Act, the study of Commerce in the University: It is hereby provided as follows :—

- \*I. There shall be a Medal to be called the "Joseph Fisher Medal of Commerce," which shall be awarded annually to the candidate for the Diploma in Commerce who, on completing the course for such Diploma, shall, in the opinion of the Examiners, be the most distinguished, and be considered by them worthy of the award.
- †II. No candidate shall be eligible for the Medal if he fails to complete the course for the said Diploma within five years of his entering upon the course; nor shall any candidate be eligible if he has received exemption from examination in any subject.
- III. There shall also be established a Lecture on a subject relating to Commerce, to be called the "Joseph Fisher Lecture," and to

*\*Allowed December 12, 1907.*

*† Allowed April 1, 1908.*

- be delivered in the University every alternate year, and subsequently published.
- IV. The Lecturer shall be appointed from time to time by the Council of the University, and shall be paid by the University the sum of £10 10s.
- V. The subject of the Lecture shall from time to time be approved by the Council of the University.
- VI. Any surplus income from the said endowment of £1,000 and the annual grant payable in respect thereof under the University Act, after providing for the said Medal, the payment of the said Lecturer, and the publication of his Lecture, shall be applied by the University in or towards payment of the salaries or remuneration of such of the Professors, Lecturers, and Examiners engaged or to be engaged in the work of the Commercial Courses for the time being of the University, as the Council of the University shall determine.
- VII. The Statutes contained in this chapter shall not be altered during the lifetime of the said Joseph Fisher, without his written consent.

*Allowed 12th August, 1903.*

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### **Chapter XXIX.—Of the Affiliation of Roseworthy Agricultural College.**

Whereas application has been made by the Governing Body of Roseworthy Agricultural College for affiliation to the University, it is hereby provided that—

- I. The Roseworthy Agricultural College is affiliated to the University of Adelaide.
- II. The Council of the University may from time to time exempt students who have attended the courses of instruction and passed the examinations of the said College in the following subjects:—
- Agriculture,  
Viticulture and Oenology,
- from attendance at lectures, and from examinations, in the corresponding subjects of the course for the Ordinary Degree of B.Sc.

*Allowed 7th December, 1905.*

**Chapter XXX.—Of the Tinline Scholarship.**

WHEREAS George John Robert Murray, a member of the Council of this University, has paid to the University the sum of One thousand pounds for the purpose of founding with the income thereof Scholarships in memory of the family of his mother, to be called "The Tinline Scholarships": Now it is hereby provided as follows:—

- I. There shall be two Scholarships tenable for two years each, to be called "The Tinline Scholarships," one of which shall be awarded every year on the examinations in History for the Ordinary Degree of Bachelor of Arts, provided that if the Examiners shall not consider any Candidate worthy to receive the Scholarship, it shall lapse for that year.
- II. Each scholar shall prepare an original thesis on some subject of Imperial or Colonial History to be approved of by the Faculty of Arts before the thirty-first day of March following the date of the award of his Scholarship, and shall present such thesis before the thirtieth day of August in the following year.
- III. Each scholar shall receive the sum of thirty pounds per annum, subject to the following conditions, the first payment to be made at the end of September in the year following the award, and the second payment at the end of September in the next year, provided his thesis is judged to be satisfactory.
- IV. The scholars shall be in all respects subject to the Statutes and Regulations for the time being of the University, and, if their conduct is not satisfactory, they may be deprived of their Scholarships by the Council at any time.
- V. This Statute may be varied from time to time, but the title and purpose of the Scholarships shall not be changed.

*Allowed April 1, 1908.*

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**Chapter XXXI.—Of the David Murray Scholarships.**

Whereas the late David Murray has bequeathed the sum of £2,000 to the University of Adelaide for the purpose of founding Scholarships, and whereas the said sum has been paid to the University to be used and administered by it in fulfilment of such intention, it is hereby provided as follows:—

1. The Scholarships shall be called the "David Murray Scholarships."

2. The purpose of the Scholarships shall be to encourage advanced work and original investigation.

3. The sum of £25 may be awarded in each year by the Faculty of Arts, and by the Faculty of Laws, and in alternate years by the Faculty of Science and by the Faculty of Medicine.

4. The Scholarships shall be awarded in accordance with conditions prepared by each Faculty and approved by the Council.

5. If for any reason the full amount of £25 be not awarded in any year by any Faculty having the disposal of it, the amount so unawarded shall remain at the disposal of that Faculty until it can be fitly awarded.

6. The money shall be paid to the Scholars at such time, and in such amounts, as the Council, upon the advice of the Faculties, shall determine.

7. These Statutes may be varied from time to time.

*Allowed January 13, 1908.*

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### **Chapter XXXII.—Infectious Diseases.**

I. If any professor, or lecturer, or examination supervisor, suspects or is apprehensive, that any student attending or desiring to attend his classes, or any examination, if suffering from Tuberculosis, or any other disease which he believes may be infectious, he may request such student to absent himself, and thereupon such student shall without delay leave the University premises, or any place in which any University lecture or examination is being given or held, and shall not return to the University, or such other place, until he forwards to the Registrar a certificate, under the hand of the Dean of the Faculty of Medicine or of the Medical Officer of Health in the District where he resides, or may be isolated, to the effect that there is no risk, or no longer any risk, of his conveying infection to others.

II. The Council shall have power to close the University, or any part thereof, for such time as it shall deem desirable, in order to prevent the spread of infectious disease.

*Allowed 24th August, 1910.*

**Chapter XXXIII.—The Lowrie Scholarships.**

WHEREAS an anonymous donor has paid to the University the sum of £500 for the purpose of providing Scholarships for post-graduate research in Agriculture; and whereas it is the donor's wish that these should be called Lowrie Scholarships, in recognition of the valuable services rendered to Agriculture by William Lowrie, formerly Professor of Agriculture at the Roseworthy College, and now Director of Agriculture in South Australia; Now it is hereby provided as follows:—

1. The University shall give in succession seven Scholarships, each of £75 and tenable for one year. Each of these shall be called a Lowrie Scholarship.

2. Candidates for a Scholarship must have qualified for the B.Sc. degree in either—

(a) The special course in Agriculture for that degree;

(b) The course for the Honours degree in Chemistry;

Or, (c) The course for the Ordinary degree in either Chemistry and Physics, or Chemistry and Physiology.

Provided that a candidate who is qualified under (b) or (c) must also have attended regularly a course in Botany to be approved by the Council, and the course in Bacteriology required for the third year in Medicine.

3. A Scholarship shall be awarded in December of each year, on the recommendation of the Faculty of Science, to the best candidate, provided he is, in the opinion of the Faculty, of sufficient merit. Applications must be made in writing to the Registrar, not later than December 1st. The Faculty shall, in making any recommendation, take into consideration the whole undergraduate course of the candidate, and shall attach special weight to any evidence of capacity for original research.

4. The Faculty may, as an alternative, recommend that the then present holder shall receive another Scholarship for the year following, or may, at its discretion, make no recommendation at all. In the latter case the Scholarship shall lapse for a year.

5. The holder of a Scholarship shall, during his tenure of it, be styled the Lowrie Scholar.

6. The Scholar shall, in or before the month of March next after the award, suggest some branch of Agriculture as a subject for original research to be undertaken by him. This, or some other subject, having been approved by the Council on the recommendation of the Faculty of Science, the Scholar shall thereupon diligently devote himself to research in it. He shall present a report of his work to the Council not later than the 15th of November following, or such later date as the Council may allow.

7. The Scholar may at any time be called upon by the Council to give proof that he is devoting himself to his subject in such a manner as to further the ends for which the Scholarship is awarded. In the absence of such proof, or of a satisfactory report of his work, the Council may deprive him of the Scholarship, or may altogether withhold, or suspend for such a time as they may deem proper, the second and third payments referred to in the next section hereof.

8. The sum of Seventy-five pounds shall be paid to the Scholar in three sums of twenty-five pounds each, payable thus:—The first upon his appointment, the second on the 1st June following, and the third on the 1st December following: provided as to the second and third payments that they shall not have been suspended, or withheld, or the Scholar deprived of his Scholarship, under section 7 hereof. In the cases last named the sum or sums so forfeited shall be dealt with in such manner as the Council may determine.

9. These Statutes may be modified or changed from time to time, but the name and the general object of the Scholarships shall not be changed.

*Allowed November 23, 1911.*

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# REGULATIONS.

## OF THE DEGREE OF BACHELOR OF ARTS. REGULATIONS.

- \*I. There shall be an Ordinary and an Honours Degree of Bachelor of Arts. Candidates may obtain either or both Degrees.
- II. To obtain the Degree, whether the Ordinary or the Honours Degree, every candidate
- (a). Shall be a matriculated student of the University.
  - (b). Before matriculating shall pass the Senior Public Examination in Greek, Latin, Arithmetic and Algebra, and Geometry, or satisfy the Faculty of Arts of his fitness to enter upon the course of study which he proposes to take for the degree. But the candidate shall pass in the above-mentioned subjects at the Senior Public Examination at some time before taking his degree.
  - \* (c). Shall after matriculating spend three academic years at least in his course of study at the University, but a candidate who has not passed in all the above-mentioned subjects may, as a condition of matriculation, be required to spend four years in his course of study.
- \*III. Candidates for the Ordinary Degree shall attend lectures regularly, and pass examinations in six of the following subjects, of which not less than four shall be taken from subjects 1 to 9, and one of them must be selected from subjects 1 to 4:—
1. *Greek.* (1)
  2. *Latin.* (2)
  3. *French.* (9)
  4. *German.* (10)
  5. *English Language and Literature.* (8)
  6. *History of the United Kingdom.* (12)
  7. *Modern European History.* (13)
  8. *Economics.* (20)
  9. *Mental and Moral Science:*

\* Allowed December 7, 1911.

† Allowed December 12, 1907.

(A) Psychology (21), (B) Logic (22), (C) Ethics (23), (D) Philosophy (24), (E) Education (26). Psychology and one other of these branch-subjects are reckoned together as one of the six subjects qualifying for the degree; Psychology and three others as two of the six subjects qualifying for the degree.

NOTE.—The numbers in brackets throughout these regulations refer to those in the Syllabus of Subjects.

10. *Pure Mathematics.* (30, 31)
11. *Applied Mathematics.* (33)
12. *Physics.* (37, 38)
13. *Spherical Trigonometry and Astronomy.* (42)
14. *Inorganic (45) and Organic Chemistry.* (51-53)
15. *Geology,* Part I. (55 and 56), and Part II. (58)
16. *Elementary Biology, and Physiology.* (66 and 67)
17. *Jurisprudence :* (115 and 117)

(A) Constitutional Law, (B) Theory of Law and Legislation. These branch-subjects are reckoned together as one of the six subjects qualifying for the degree.

The names of candidates who pass the examinations for the Ordinary Degree shall be arranged alphabetically in three divisions.

IV. Candidates for the Honours Degree shall attend lectures regularly, and pass examinations in one of the following Departments, but they may take Honours in more than one Department:—

- A. *Classics.* (4)
- B. *History.* (14, 15, 16, 17)
- C. *Philosophy.* (25)
- D. *Mathematics.* (34)

Candidates in Classics shall pass in Greek and Latin, as prescribed for the Ordinary Degree, before, or in the same year as, they sit for the Honours Examination.

Candidates in History shall pass in History of the United Kingdom, in Modern European History, in Economics, and in one foreign language, ancient or modern, as prescribed for the Ordinary Degree, before, or in the same year as, they sit for the Honours Examination.

Candidates in Philosophy shall pass in Psychology, Logic, Ethics, Philosophy, Economics and in one foreign language,

ancient or modern, as prescribed for the Ordinary Degree, before, or in the same year as, they sit for the Honours Examination.

Candidates in Mathematics shall pass in Pure Mathematics, Applied Mathematics, and Physics, as prescribed for the Ordinary Degree, before, or in the same year as, they sit for the Honours Examination.

The names of candidates who pass the Examinations for the Honours Degree shall be arranged alphabetically in three classes.

- \*V. Candidates may be excused attendance at lectures on any subject in which they desire to be examined, but only upon special grounds to be allowed by the Council. Exemption in more than one subject shall only be allowed under very exceptional circumstances. All candidates shall be required to do such written or practical work as may be prescribed by the Professor or Lecturer.

\* Allowed August 24, 1910.

- VI. Schedules defining the range of study for lectures, laboratory work, and examinations, shall be drawn up by the Faculty of Arts, subject to the approval of the Council, and shall be published as early as possible in each year.

- VII. All examinations referred to in the foregoing regulations shall take place in November of each year. Candidates shall enter their names a month before the day fixed for examination, and shall present certificates showing that they have regularly attended the prescribed lectures and done written, laboratory, or other practical work (where such is required) to the satisfaction of the Professors or Lecturers. Written or practical work done by candidates by direction of the Professors or Lecturers, and the results of terminal or other examinations in any subject, may be taken into consideration at the final examination in that subject.

- VIII. Candidates who have passed examinations *pari materiâ* in other Faculties or otherwise, and desire that the examinations they have passed should be counted *pro tanto* for the Degree of Bachelor of Arts may on application to the Council be granted such exemption from the requirements of these Regulations as the Council shall determine.

- \*IX. Bachelors of Science may obtain the Honours Degree of Bachelor of Arts in Mathematics, provided they also pass in one foreign language as prescribed for the ordinary degree in Arts, but no

\* Allowed January 13, 1909.

graduate who has obtained the Honours degree of Bachelor of Science in the department of Mathematics may obtain the Honours degree of Bachelor of Arts in Mathematics.

X. Candidates from other Universities who desire that the instruction they have received and the examinations they have passed should be counted *pro tanto* for the degree of Bachelor of Arts of this University, may, on application to the Council, be granted such exemption from the requirements of these Regulations as the Council shall determine.

\*XI. The following fees shall be paid in such instalments as the Council shall from time to time determine, each instalment being payable in advance :—

	Entire course.			Examination.		
<b>A. Ordinary Degree of B.A. :</b>						
Greek, Latin, French, German, English Language and Literature. History of the United Kingdom, Modern European History, Economics, Pure Mathematics, Applied Mathematics, Astronomy, each... ..	4	4	0	2	2	0
Psychology, Logic, Ethics, Philosophy, Education, each ... ..	2	2	0	1	1	0
Physics, Chemistry, each ... { Lectures ...	4	4	0	2	2	0
... { Laboratory work ...	6	6	0			
Geology, parts I. and II. (including examination)	14	14	0			
{ Elementary Biology ... ..	5	5	0	1	1	0
{ Physiology ... ..	8	8	0	1	1	0
Jurisprudence ... ..	4	14	6	1	1	0

**B. Honours Degree of B.A.—**

1. For lectures in each Department—£10 10s. per annum.

2. For the examination in each Department—£3 3s.

Candidates shall also pay the examination fees prescribed above for subjects of the course for the Ordinary degree in which they are required to pass.

†c. Fee for the Ordinary or Honours Degree of Bachelor of Arts, £3 3s.

Candidates exempted from attendance at lectures in any subject shall, in addition to the examination fee, pay half the lecture fee for that subject during such period of exemption.

\* Allowed December 12, 1907.

† Allowed December 7, 1911.

Candidates who fail in any examination are not exempted from payment of fees on entering again for examination in the same subject.

Candidates may attend a course of lectures a second time on payment of half fees, but full fees shall be required for Laboratory work.

The fees which Candidates pay for a course of lectures or an examination which they afterwards find themselves unable to attend shall not be returned, unless the Council shall otherwise determine.

- XII. All previous regulations concerning the degree of Bachelor of Arts are hereby repealed, but candidates who have matriculated in or before the year 1905 shall not be compelled to select one of their subjects from 1 to 4 unless they fail to fulfil all the conditions required for the degree before the end of the year 1908, nor shall the exemption be allowed to any graduate in Science proceeding to the degree of Bachelor of Arts.
- †XIII. Notwithstanding the foregoing Regulations III., IX., and XII., Bachelors of Science who were in the year 1909 or 1910 proceeding to the Honours Degree of Bachelor of Arts in Mathematics, and who in either of those years passed the prescribed examination for it in Mathematics, are deemed to have been entitled to obtain it without also passing or having passed in one foreign language as prescribed in Regulations III. and IX. for the Ordinary Degree, and without having, as provided in Regulation XII., selected as one of their subjects to be passed in at an examination, one of the subjects from 1 to 4 mentioned in it.

† *Allowed April 5, 1911.*

*Allowed August 2, 1905.*

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## OF THE DEGREE OF MASTER OF ARTS.

## REGULATIONS.

- \*I. There shall be an Ordinary and an Honours Degree of Master of Arts. Candidates may obtain either or both Degrees.
- II. No candidate shall be admitted to the Degree of Master of Arts until after the expiration of two academical years from the time at which he obtained the Degree of Bachelor of Arts in this or in some other University recognised by this University.
- †III. Candidates for the Ordinary Degree shall attend lectures and pass examinations in three of the following subjects, other than those in which they have already passed in order to qualify for the Degree of Bachelor of Arts, or for any other degree:—

1. *Greek.* (1)
2. *Latin.* (2, 3)
3. *French.* (9)
4. *German.* (10)
5. *English Language and Literature.* (8)
6. *History of the United Kingdom.* (12)
7. *Modern European History.* (13)
8. *Economics.* (20)
9. *Mental and Moral Science:—*
  - (A) Psychology (21), (B) Logic (22), (C) Ethics (23), (D) Philosophy (24), (E) Education (26). Psychology and one other of these branch-subjects are reckoned together as one subject qualifying for the degree; Psychology and three others as two subjects.
10. *Pure Mathematics.* (30, 31)
11. *Applied Mathematics.* (33)
12. *Physics.* (37, 38)
13. *Spherical Trigonometry and Astronomy.* (42)
14. *Inorganic (45) and Organic Chemistry.* (51 and 53)
15. *Geology, Part I. (55 and 56) and Part II. (58)*
16. *Elementary Biology and Physiology.* (66 and 67)
17. *Jurisprudence.* (115 and 117)
  - (A) Constitutional Law, (B) Theory of Law and Legislation. These branch subjects are reckoned together as one subject.

\* Allowed December 7, 1911.

† Allowed December 12, 1907.

The names of candidates who pass the examinations for the Ordinary Degree shall be arranged alphabetically in three divisions.

IV. To obtain the Honours Degree a candidate must have obtained the Honours degree of Bachelor of Arts in the department of study in which he desires to obtain the Master's degree, viz.,

- A. *Classics*, (4)
- B. *History*, (14, 15, 16, 17)
- C. *Philosophy*, (25)
- D. *Mathematics*, (34)

and must further satisfy the following requirements :

A. A Candidate in Classics shall satisfy the professor that he has been engaged in a course of classical study for at least two years after taking the degree of Bachelor of Arts, and shall pass an examination in classics. He may also submit an original piece of work, the subject to be chosen in consultation with the professor.

B. A candidate in History shall prepare a thesis, and present himself for examination in General European History and a special period. At least two years before he presents himself for examination he shall consult with the professor concerning the choice of a period and the subject of his thesis. The thesis shall be sent to the Registrar not later than the thirtieth day of September in the year in which he presents himself for examination.

C. A candidate in Philosophy shall pass an examination in Metaphysics and the History of Philosophy, and shall present an original thesis on a topic of Psychology, Logic, Ethics, or Metaphysics. The subject and the probable length of the thesis must be intimated to the Professor and approved of by him one year at least before the candidate presents himself for examination. The thesis shall be sent to the Registrar not later than the thirtieth day of September in the year in which he presents himself for examination.

D. A candidate in Mathematics shall pass an examination in Mathematics.

\*V. Candidates may be excused attendance at lectures on any subject in which they desire to be examined, but only upon special grounds to be allowed by the Council. Exemption in more

than one subject shall only be allowed under very exceptional circumstances. All candidates shall be required to do such written or practical work as may be prescribed by the Professor or Lecturer.

- VI. Schedules defining the range of study for lectures, laboratory work, and examinations, shall be drawn up by the Faculty of Arts, subject to the approval of the Council, and shall be published as early as possible in each year.
- VII. All examinations referred to in the foregoing regulations shall take place in November of each year. Candidates shall enter their names a month before the day fixed for examination, and shall present certificates showing that they have regularly attended the prescribed lectures and done written, laboratory, or other practical work (where such is required) to the satisfaction of the Professors or Lecturers. Written or practical work done by candidates by direction of the Professors or Lecturers, and the results of terminal or other examinations in any subject may be taken into consideration at the final examination in that subject.
- VIII. Candidates who have obtained the Degree of Bachelor of Arts at a University recognised by this University may become candidates for either the Ordinary or the Honours Degree on conditions prescribed by the Council.

\*IX. The undermentioned fees shall be paid in advance:—

For the Ordinary Degree—	Entire course.	Examination.
Greek, Latin, French, German, English Language and Literature, History of the United Kingdom, Modern European History, Economics, Pure Mathematics, Applied Mathematics, Astronomy, each ... ..	4 4 0	2 2 0
Psychology, Logic, Ethics, Philosophy, Education, each ... ..	2 2 0	1 1 0
Physics, Chemistry, each ... { Lectures ... } ... { Laboratory work ... }	4 4 0 } 6 6 0 }	2 2 0
Geology, parts I. and II. (including examination)	14 14 0	
{ Elementary Biology ... ..	5 5 0	1 1 0
{ Physiology ... ..	8 8 0	1 1 0
Jurisprudence ... ..	4 14 6	1 1 0
For the Honours Degree:—		
Fee for Examinations, Thesis, or both ... ..	10 10 0	
†For the Ordinary or Honours Degree of Master of Arts	5 5 0	

\* Allowed December 12 1907

† Allowed December 7, 1911.

Candidates exempted from attendance at lectures in any subject shall, in addition to the examination fee, pay half the lecture fee for that subject during such period of exemption.

Candidates who fail in any examination are not exempted from payment of fees on entering again for examination in the same subject.

Candidates may attend a course of lectures a second time on payment of half fees, but full fees shall be required for Laboratory work.

The fees which Candidates pay for a course of lectures or an examination which they afterwards find themselves unable to attend shall not be returned, unless the Council shall otherwise determine.

- X. All previous Regulations concerning the degree of Master of Arts are hereby repealed, but candidates who have graduated as Bachelors of Arts in or before the year 1904 may take the Ordinary Degree of Master of Arts under the Regulations and Schedules as set out in the Calendar for 1904. But they must select Greek, Latin, French, or German, as one of their subjects, if they have not already passed in one of them for the Bachelor's Degree.

*Allowed 2nd August, 1905.*

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## OF THE DEGREE OF BACHELOR OF SCIENCE. REGULATIONS.

\*I. There shall be an Ordinary and an Honours Degree of Bachelor of Science. Candidates may obtain either or both Degrees.

II. To obtain the Degree, whether the Ordinary or the Honours Degree, every candidate

(a). Must be a matriculated student of the University.

† (b). Before matriculating shall pass the Senior Public Examination, including in such examination the subjects of Arithmetic and Algebra, and Geometry.

† (c). Shall, after matriculation, except in special cases to be allowed by the Council, spend three academical years at least in his course of study at the University, or, if a candidate for the Diploma in Applied Science, partly at the University and partly at the South Australian School of Mines and Industries, as the Regulations of the Diploma shall direct.

‡ (d). Must pass in two of the following languages in the Senior Public Examination: Latin, Greek, French, German, provided that one of the two is French or German.

Candidates for the Ordinary Degree must also *either* attend regularly courses of lectures and pass examinations in Mathematics (30), Physics (37), Chemistry (45), Elementary Biology (66) and Physiography (55A), within a range of study to be annually defined in the Schedules hereinafter mentioned and therein to be called the compulsory subjects of the Degree of Bachelor of Science, and fulfil the requirements of Regulation IV., or, complete one of the courses for the Diploma in Applied Science.

Candidates for the Honours Degree must attend lectures and pass examinations in the Compulsory Subjects, and must fulfil the requirements of Regulation V.

\*III. Students who at the Higher Public Examination have distinguished themselves in Algebra and Trigonometry, Geometry and Trigonometry, Physics, Inorganic Chemistry, or Biology, shall be exempted from lectures, practical work, and examination in the corresponding compulsory subjects for the degree of Bachelor of Science.

\* Allowed 7th December 1911

† Allowed 21st December, 1910.

‡ Allowed 24th August, 1910.

Students who at the Higher Public Examination have passed but not distinguished themselves in one or more such subjects, may be given such exemption or standing as the Council shall determine.

IV. Candidates for the ordinary degree are required to attend lectures regularly and pass examinations

\*(a). In two of the following five subjects:—

1. *Mathematics, Pure and Applied* (31, 33; and one of the following: 32, 36, 36a)
2. *Physics.* (38, 39)
3. *Chemistry.* (46, 47, 48, 49)
4. *Physiology.* (67 and 68)
5. *Geology and Mineralogy.* (55, 56)

or,

† (b). In the following subjects, which form a special course for students desirous of studying Agriculture:—

1. *Chemistry.* (46, 50, 51)
2. *Geology.* (55)
3. *Botany.* (71)
4. Certain portions of the course at the Roseworthy Agricultural College, the extent of which and the standard to be attained therein are to be from time to time determined by the Council.

Candidates in the special course in Agriculture (70) are also required to conduct an experiment on some agricultural subject approved by the Faculty of Science, and to submit a report upon it, which shall be satisfactory to Examiners appointed by the Council.

‡ V. Candidates for the Honours Degree shall attend lectures regularly, and obtain either first or second class Honours in one of the following Departments, but they may take Honours in more than one Department:—

1. *Mathematics.*
2. *Physics.*
3. *Chemistry.*
4. *Physiology and Physiological Chemistry.*

\* Allowed 9th April, 1902.

† Allowed 3rd January, 1907.

‡ Allowed 21st December, 1910.

5. *Geology and Palaeontology.*6. *Mineralogical Geology.*

\* Before beginning an Honours Course in any Department, candidates must have previously passed in such of the compulsory subjects, and have done such preliminary work in allied subjects, as the Faculty of Science considers to be necessary.

Candidates for Honours in any Department are required to pass the prescribed Examination in the corresponding subjects for the Ordinary Degree before, or in the same year as, they sit for the Honours Examination.

The names of candidates who pass with Honours shall be arranged alphabetically in two classes under each department.

- † VI. All Examinations shall take place in November: except that, when the course of instruction in any subject has been completed before the end of the third term, the examination in that subject may be held at any convenient time earlier than November, to be fixed by the Council.

In any case, candidates must enter their names at least a calendar month before the day of examination, and must when entering present certificates showing that they have regularly attended the prescribed lectures, and have done written and laboratory or other practical work, where required, to the satisfaction of the Professor or Lecturers.

Written or practical work done by candidates by direction of the Professors or Lecturers, and the results of terminal or other examinations in any subject, may be taken into consideration at the final examination in that subject.

- VII. Candidates may be excused attendance at lectures on any subject in which they desire to be examined, but only upon special grounds to be allowed by the Council.

- ‡ VIII. No graduate who has obtained the Honours Degree of Bachelor of Arts in the department of mathematics can obtain the Honours Degree of Bachelor of Science in the corresponding department; nor can he obtain the Degree in any other department unless he passes, or has passed in addition, in one foreign language as prescribed for the ordinary Degree in Arts.

- IX. Students who have passed examinations *in pari materia* in other

\* Allowed December 7, 1911.

† Allowed 24th August, 1910

‡ Allowed January 13, 1906

Faculties or otherwise and desire that the examinations they have passed should be counted *pro tanto* for the Degree of Bachelor of Science may on application to the Council be granted such exemption from the requirements of these Regulations as the Council shall determine.

- \*X. Students from other Universities or Technical Schools who may desire that the instruction they have received and the examinations they have passed be counted *pro tanto* for the degree of Bachelor of Science of this University may, on application to the Council, be granted such exemption from the requirements of these Regulations as the Council shall determine.

\* Allowed April 3, 1903.

- XI. Schedules defining the range of study for lectures, laboratory, and other practical work and examinations shall be drawn up by the Faculty of Science, subject to the approval of the Council, and shall be published as early as possible in each year.

- \*XII. The following fees shall be paid by other than Diploma students in such instalments as the Council shall from time to time determine, each instalment being payable in advance :—

A. FOR COMPULSORY SUBJECTS :—

					Entire Course.
Mathematics	...	...	..	...	£3 3 0
Physics	{	Lectures	...	...	2 2 0
		Laboratory Work	...	...	3 3 0
Chemistry	{	Lectures	...	...	2 2 0
		Laboratory Work	...	...	4 4 0
Elementary Biology	...	...	...	...	6 6 0
Physiography	...	...	...	...	1 1 0

B. ORDINARY DEGREE OF B.SC. :—

Mathematics	...	...	...	...	13 13 0
Physics	{	Lectures	...	...	9 9 0
		Laboratory Work	...	...	18 18 0
Chemistry	{	Lectures	...	...	9 9 0
		Laboratory Work	...	...	18 18 0
Physiology— Part I.	{	Lectures	...	...	£6 6 0
		Laboratory Work	12	12 0	18 18 0
Part II.—Laboratory Work...					9 9 0
Geology and Mineralogy—Lectures and Laboratory Work	...	...	...	...	21 0 0

The fees for Mathematics, Physics, Chemistry, and Physiology do not include the fees for the compulsory parts of those subjects.

\* Allowed 24th August, 1910.

## C. SPECIAL COURSE UNDER REGULATION IVb :—

						Entire course.
Chemistry	}	Lectures	...	...	...	£6 6 0
		Laboratory Work	...	..	...	18 18 0
Geology	...	...	...	...	...	8 8 0
Botany	...	...	...	...	...	4 4 0
Subjects taken at the Roseworthy Agricultural College.						{ For fees, see Schedules.

The fee for Chemistry does not include the fee for the compulsory part of that subject. The fee for Agriculture includes Board and Lodging at the Agricultural College during the days the student is attending the Lectures there.

## D. Honours Degree of B.Sc.

						Per annum.
Mathematics	...	...	...	...	...	£10 10 0
Physics	...	...	...	..	...	18 18 0
Chemistry	...	...	...	...	...	18 18 0
Physiology and Physiological Chemistry	...	...	...	...	...	18 18 0
Geology and Palæontology	...	...	...	...	...	18 18 0
Mineralogical Geology	...	...	...	...	...	18 18 0

\*E. Fee for the Ordinary or Honours Degree of Bachelor of Science ... .. £3 3 0

Candidates exempted from attendance at lectures in any subject of the courses referred to in Clauses A, B, and C shall pay half the lecture fee for such subject during such period of exemption.

Candidates who have been granted exemption from attendance at practical work in any subject of the courses referred to in Clauses A, B, and C may enter for examination in that subject on payment of the following fees :—

Compulsory Chemistry or Biology	...	...	...	...	£1 1 0
Any other Subject	...	..	...	...	£2 2 0

Candidates who have been granted exemption from attendance at lectures or practical work in any of the Honours courses referred to in Clause D may enter for the final examination of that course on payment of a fee of £5 5s.

Students who wish to take a course of lectures a second time may do so on payment of half fees, but full fees will be required for a repeated course of Laboratory work.

\* Allowed December 7, 1911.

Candidates who have failed to pass in any subject and who have not been required to attend lectures in that subject a second time may present themselves at a subsequent examination on payment of the following fee :—

For any compulsory subject ... ..	£1	1	0
For any other subject of the Ordinary Degree	3	3	0
For any subject of the Honours Degree ...	5	5	0

Students who have entered under the Regulations hereby repealed may proceed thereunder notwithstanding such repeal, or may be allowed by the Council to proceed under the Regulations hereby substituted therefor, on such terms as the Council shall in each case allow.

XIII. All previous regulations concerning the Degree of Bachelor of Science are hereby repealed, but students who shall have completed the first or second year of their course in 1899 shall have the option of continuing under the regulations in force when they entered upon the course, or of coming under these regulations. If they shall elect to continue their course under these regulations, they shall receive credit for the lectures they have attended and the examinations they have passed under the previous regulations.

*Allowed 27th December, 1899.*

*The fees payable by Diploma students in respect of their Diploma course are prescribed in Schedules in accordance with the Regulations 'Of the Diploma in Applied Science.'*

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## RULES OF THE PHYSICAL LABORATORY.

- I. The Physical Laboratory shall be open daily during Term time (Saturdays excepted), at such hours as shall be considered necessary by the Professor of Physics, subject to approval by the Council.
- II. Instruction will be given in Practical Physics; but no student will be admitted to laboratory work unless he shall have shown to the satisfaction of the Professor of Physics that he possesses sufficient theoretical knowledge to enable him to carry on his work intelligently.
- III. Apparatus will be supplied by the University for the general use of students on the condition that breakages and damages be made good.
- IV. For original research, carried on by students or graduates with the consent and under the direction of the Professor of Physics, the Laboratory will be open *gratis*, except as regards such payment for material and special attendance as may be considered necessary by the Professor.
- V. The Professor of Physics may exclude from the Physical Laboratory any student for any cause satisfactory to the Professor; every such exclusion, and the grounds for it, to be reported by the Professor to the Council at its next meeting, and in case of any student being so excluded the fees paid by him will not be refunded.

Made by Council June 30, 1899.

## THE RULES OF CHEMICAL LABORATORY.

- I. The Chemical Laboratory shall be open upon each week-day, during Term time (Saturdays and holidays excepted), from 10 a.m. to 5 p.m.
- II. Instruction will be given in Qualitative and Quantitative Analysis; but no student will be admitted to Laboratory work until he has shown to the satisfaction of the Professor of Chemistry that he possesses sufficient theoretical knowledge to enable him to carry on his work intelligently.
- III. Each student will be provided by the University with a set of re-agents, and a working bench with necessary fittings, to which gas and water are laid on, and also with all apparatus necessary for the ordinary courses of Qualitative Analysis.
- IV. Each student must, at the beginning of the year, pay a deposit fee of £1. Against this deposit fee all breakages, and also the cost of filter paper, litmus papers, platinum wire and foil, glass tubing, platinum chloride solution, and sundries will be debited. The balance, if any, will be refunded at the end of the year. If at any time the value of the apparatus broken and materials used by a student exceeds the amount of his deposit fee, an additional deposit fee must forthwith be paid by him.
- V. Students engaged in Quantitative Analysis must provide themselves with a platinum crucible and capsule, and a set of gramme weights.
- VI. Students engaged in private investigations must provide themselves with any materials they may require which are not included amongst the ordinary re-agents; also with the common chemicals, when they are employed in large quantities.
- VII. The larger and more expensive pieces of apparatus will be supplied for the general use of students by the University on the condition that all breakages are to be made good by the students using or breaking them, on such basis as the Professor may determine.
- VIII. All preparations made from materials supplied by the University shall be its property.

- IX. No experiments of a dangerous nature may be performed without the express sanction of the Professor.
- X. For original research carried on by students or graduates, with the consent and under the direction of the Professor, the Laboratory will be open gratis, except as regards such payment for material and special attendance as may be considered necessary by the Professor.
- XI. The Professor may exclude any student from the Chemical Laboratory for any cause he shall think sufficient. Every such exclusion and the grounds for it must be reported by the Professor to the Council at its next meeting. The Council may affirm or cancel the exclusion upon such terms as it shall think fit. The fees paid by any student so excluded shall not be refunded to him unless the Council shall otherwise determine.
- XII. Fines not exceeding 2s. 6d. in each case, may be imposed for the waste or misuse of gas, water, apparatus, or material in the Laboratory.
- XIII. The fees for students not attending the ordinary course of instruction are as follows :—
- For 5 days in the week, £4 5s. 0d. per month, or £10 per term.  
For 4 days in the week, £3 6s. 8d. per month, or £8 per term.  
For 3 days in the week, £2 10s. 0d. per month, or £6 per term.  
For 2 days in the week, £2 0s. 0d. per month, or £4 per term.  
For 1 day in the week, £1 0s. 0d. per month, or £2 per term.

**Made by Council, June 26, 1903.**

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## OF THE DEGREE OF DOCTOR OF SCIENCE.

## REGULATIONS.

- I. A Bachelor of Science may proceed to the Degree of Doctor of Science by complying with the following Regulations, but shall not be admitted to the Degree until the expiration of the third academic year from his admission as a Bachelor of Science.
- II. Every candidate must give to the Examiners satisfactory evidence of scholarship and power of original research. To this end he must submit a thesis in some branch of Science on a subject proposed by the candidate and approved by the Faculty of Science. He must adduce sufficient evidence of the authenticity of his thesis. He may, if the Examiners think fit, be required to pass an examination in that branch of Science from which the subject of his thesis is taken, unless he has at some previous B.Sc. examination passed with first-class honours in that branch. In any case the Examiners may examine him in the subject matter of his thesis.
- III. A printed or type written copy of any thesis approved by the Examiners shall be deposited by the candidate in the Library of the University before he is admitted to the Degree.
- IV. Candidates who comply with the foregoing conditions may be admitted to the Degree of Doctor of Science.
- V. The following fees shall be payable in advance :—

On presentation of Thesis	...	...	£10	10	0
On admission to the Degree	...	...	10	10	0

*Allowed December 12, 1907.*

## OF THE UNIVERSITY DIPLOMA IN APPLIED SCIENCE AND THE FELLOWSHIP OF THE SOUTH AUSTRALIAN SCHOOL OF MINES AND INDUSTRIES.

Whereas the University of Adelaide and the South Australian School of Mines and Industries have agreed to unite in providing courses of instruction and examinations in various branches of Applied Science, and to grant to any candidate who completes one of these courses and passes the proper examinations the corresponding University Diploma and Fellowship of the South Australian School of Mines and Industries respectively; and whereas a Joint Board has been appointed by the Councils of the two Institutions to consider all matters arising out of the fulfilment of such Agreement, and to report thereon to the Councils of the two Institutions; and whereas a Faculty of Applied Science has been formed by the two Councils from the staffs of the two Institutions to advise the Board—Now it is hereby provided as follows:—

### REGULATIONS.

- I. Every candidate for the University Diploma in Applied Science and the Fellowship of the South Australian School of Mines and Industries must satisfy the Faculty of Applied Science of his fitness to enter upon the course which he intends to follow.
- \* II. To obtain the Diploma and the Fellowship every candidate must attend lectures regularly and pass examinations in the subjects of one of the following courses:—
  - A. *Mining.*
  - B. *Metallurgy.*
  - C. *Electrical Engineering.*
  - D. *Mechanical Engineering*

and must produce evidence to the satisfaction of the Joint Board of having obtained at least twelve months practical experience, not necessarily consecutive, in work appropriate to the course he has followed.

- III. Schedules determining the range of study, the laboratory and other practical work, the examinations, and the fees for the courses mentioned in the preceding regulation, shall be drawn up by the Faculty of Applied Science, submitted to the Joint Board, and when approved by both Councils, shall be published as early as possible in each year. Such Schedules shall be laid before the Senate at the next meeting after they have been approved.

\* Allowed 7th December, 1905.

- \*IV. All examinations referred to in these regulations shall take place in or about November in each year except that, when the course of instruction in any subject has been completed before the end of the third term, the examination in that subject may be held at any convenient time earlier than November, to be fixed by the Council.

Candidates must enter their names a month before the day fixed for examination, and must present certificates showing that they have regularly attended the prescribed lectures and have done written, laboratory, or other practical work (where such is required) to the satisfaction of the lecturers.

Written or practical work done by candidates by direction of the Professors or Lecturers, and the results of terminal or other examinations in any subject may be taken into consideration at the final examination in that subject.

- V. No candidate shall be credited in any term with attendance at lectures or laboratory work in any subject unless he has attended at least three-fourths of the lectures and laboratory work respectively in that subject, except in case of illness or other sufficient cause to be allowed by the Joint Board.
- VI. Any candidate wishing to attend a course of lectures (not including practical work) a second time may do so on payment of half fees.
- VII. A candidate may be examined in any subject without attendance at lectures, but only upon special grounds to be recommended by the Joint Board, and approved by the two Councils.\* On entering for examination in such subject the candidate shall pay a third of the fee prescribed for that subject.
- VIII. A candidate may, if the two Councils see fit, be excused examination in any subject, but only upon production of evidence that he has at some other University or Technical School completed a course and passed an examination which the Joint Board shall consider to be an equivalent.
- IX. Candidates shall submit to and observe the statutes, rules, and regulations of the Institution, whether University or School of Mines and Industries, at which they are in attendance.
- X. The Faculty of Applied Science is not a Faculty within Chapter X. of the University Statutes.
- XI. These Regulations shall be binding on the University so long only as the above-mentioned Agreement, or any amendment thereof, or any substituted Agreement, remains in force.

\* Allowed 7th December, 1911.

*Any candidate obtaining an exemption is recommended to apply to the proper lecturer for information and advice respecting the subjects of the examination.*

**NOTE.—Holders of Diplomas may use the following letters:—**

**Diploma in Mining Engineering—the letters, Dip. M.E.  
Diploma in Mechanical Engineering—the letters, Dip. Mech.E.  
Diploma in Electrical Engineering—the letters, Dip. E.E.  
Diploma in Metallurgy—the letters, Dip. Met.**

† Allowed 3rd April, 1903.

### DETAILS OF COURSES FOR 1912.

*Abbreviations.*—In the column headed “Hours per week” a single figure such as 2, means 2 hours per week throughout the year. A figure with a suffix such as 2<sub>2</sub> means two hours per week for two terms.

U—University; S.M.—School of Mines; S.A.—School of Art.

**NOTE.**—A 20 per cent. reduction in fees is to be allowed to students taking any one of these courses in full, the reduction to be made in such manner as the two Councils shall approve.

The Courses are divided into years for the guidance of Students. It is to be understood that the order of subjects given is not necessarily to be followed in all cases, but in certain cases the order given must be followed. For instance, students will not be allowed to take Assaying until they have passed Chemistry I., nor will they be allowed to take Applied Mechanics until they have passed in Applied Mathematics. For further information Students should apply to the Lecturers.

## MINING.

### FIRST YEAR.

Subject No. in Syllabus.	Subject.	Hours per week.	Lecturer.	Place of Lecture.	Fee. £ s. d.
45	Chemistry I., Lectures	... 2	Prof. Rennie ...	U.	2 2 0
45	Chemistry I., Practical	... 6	{ Prof. Rennie and Dr. Cooke .. Or. Mr. Reid and Mr. Laughton	{ U. S.M. }	{ 4 4 0
81	Drawing I. ... ..	... 4	Mr. Gill ... ..	S.A.	{ 2 0 0 net
86	Fitting and Turning I.	... 6	Mr. Walters ...	S.M.	2 2 0
30	Mathematics I., First Year...	3	{ Mr. Gartrell ... Mr. Dalby ...	{ U. or S.M. }	{ 3 3 0
93	Mechanical Engineering I.	2	Mr. Wood ...	S.M.	1 10 0
37	Physics I., Lect. and Pract.	4	Prof. Kerr Grant...	U.	5 5 0

SECOND YEAR.

Subject No. in Syllabus.	Subject.	Hours per Week.	Lecturer.	Place of Lecture.	Fee.
					£ s. d.
33	Applied Mathematics	3	Professor Chapman	U.	5 5 0
75	Assaying I. ... ..	6	Mr. Reid and Mr. Laughton ..	S.M.	4 10 0
82	Drawing II. ... ..	4	Mr. Chittleborough	S.M.	1 10 0
55A	Geology (Physiography)	1	Mr. Howchin ...	U.	1 1 0
31	Mathematics I., Second Year	2	Mr. Gartrell ...	U.	3 3 0
38	Physics II., Lect. and Pract.	9	Prof. Kerr Grant...	U.	12 12 0

THIRD YEAR.

36	Applied Mechanics III.	4	Prof. Chapman ...	U.	4 4 0
83	Drawing III. ... ..	4	Mr. Chittleborough	S.M.	2 2 0
55B, C, D	Geology	4 <sub>2</sub>	Mr. Howchin ...	U.	3 3 0
55E, F	Mineralogy and Petrology	2	Dr. Mawson ...	U.	4 4 0
101	Mining I. ... ..	2	Mr. Gartrell ...	S.M.	3 0 0
103	Ore-dressing I. ... ..		Mr. Gartrell ...	S.M.	1 10 0
106	Surveying and Levelling	6	Mr. Wood... ..	S.M.	2 2 0

FOURTH YEAR.

77	Assaying II. (Mining)	8	Mr. Reid ... ..	S.M.	5 5 0
85A	Electrical Engineering	2	Mr. Clark ... ..	U.	3 3 0
90	Hydraulics ... ..	2	Mr. Gartrell ...	U.	1 1 0
99	Machine Design I. ...	2	Mr. Chittleborough	S.M.	1 10 0
94	Mechanical Engineering II. (Lectures only)	2	Mr. Wood... ..	S.M.	2 5 0
102	Mining II. ... ..	5	Mr. Gartrell ...	U.	4 14 6
61	Mining Geology ... ..	1	Mr. Howchin ...	U.	1 1 0
97	Metallurgy I. (Lectures only)	2	Mr. Reid ... ..	S.M.	1 10 0
103	Ore-Dressing II. ... ..	1	Mr. Gartrell ...	U.	1 11 6
105	Railway Engineering	1	Prof. Chapman ...	U.	2 2 0

METALLURGY.

FIRST YEAR.

Same as for Mining.

SECOND YEAR.

75	Assaying I. ... ..	6	Mr. Reid and Mr. Laughton ...	S.M.	4 10 0
46	Chemistry II., Lectures	2	Prof. Rennie ...	U.	4 4 0
48	Chemistry II., Practical	10	{ Prof. Rennie and Dr. Cooke } { Or, Mr. Reid and Mr. Laughton }	U. } S.M. }	6 6 0
97	Metallurgy I., Lectures	2	Mr. Reid ... ..	S.M.	1 10 0
55 E, F	{ Mineralogy and Petrology	4 <sub>2</sub>	Dr. Mawson ...	U.	4 4 0
38	Physics II., Lect. and Pract.	9	Prof. Kerr Grant...	U.	12 12 0

## THIRD YEAR.

Subject No. in Syllabus.	Subject.	Hours per Week.	Lecturer.	Place of Lecture.	Fee. £ s. d.
33	Applied Mathematics	... 3	Prof. Chapman ...	U.	5 5 0
76	Assaying II. ... ..	... 20	Mr. Reid ... ..	S.M.	9 9 0
80	Building Construction	... 1 <sub>2</sub>	Mr. Smith... ..	S.M.	0 10 0
82	Drawing II. ... ..	... 4	Mr. Chittleborough	S.M.	1 10 0
55A	Geology (Physiography)	... 1	Mr. Howehin ...	U.	1 1 0
99	Metallurgy II. ... ..	... 3	Mr. Reid ... ..	S.M.	4 4 0
103	Ore-dressing I. . . . .	... ..	Mr. Gartrell ...	S.M.	1 10 0

## FOURTH YEAR.

36	Applied Mechanics III.	... 4	Prof. Chapman ...	U.	4 4 0
79	Assaying III. ... ..	... 16	Mr. Reid ... ..	S.M.	9 9 0
90	Machine Design I. ... ..	... 2	Mr. Chittleborough	S.M.	1 10 0
98	Metallurgy (Practical)	... 3	Mr. Reid ... ..	S.M.	1 10 0
100	Metallurgy III. (Lectures)	... 1	Mr. Reid ... ..	S.M.	3 0 0
101	Mining I. ... ..	... 2	Mr. Gartrell ...	S.M.	3 0 0
	Ore-dressing II. ... ..	... 1	Mr. Gartrell ...	S.M.	1 11 6

## ELECTRICAL ENGINEERING.

## COURSE A. . .

## FIRST YEAR.

Same as for Mining.

## SECOND YEAR.

33	Applied Mathematics	... 3	Prof. Chapman ...	U.	5 5 0
82	Drawing II. ... ..	... 4	Mr. Chittleborough	S.M.	1 10 0
87	Fitting and Turning II.	... 3	Mr. Walters ... ..	S.M.	2 5 0
31	Mathematics I., Second Year	2	Mr. Gartrell ... ..	U.	3 3 0
94	{ Mechan'l Engin'rg II. Lect. 2 } " " " Practical 3 <sub>2</sub> }	2 } 3 <sub>2</sub> }	Mr. Wood ... ..	S.M.	{ 2 5 0 2 2 0
38	{ Physics II., Lectures ... 9 <sub>1</sub> } " " " Practical ... 6 <sub>2</sub> }	9 <sub>1</sub> } 6 <sub>2</sub> }	Prof. Kerr Grant ..	U.	10 10 0
106	Surveying and Levelling	... 6 <sub>1</sub>	Mr. Wood... ..	S.M.	1 0 0

THIRD YEAR.

Subject No. in Syllabus.	Subject.	Hours per Week.	Lecturer.	Place of Lecture.	Fee £ s. d.
73	Applied Méchanics II.	2 <sub>1</sub>	Mr. Wood ...	S.M.	1 0 0
36	Applied Mechanics III.	4	Prof. Chapman ...	U.	4 4 0
85A	Electrical Engineering I.	2	Mr. Clark ...	U.	3 3 0
90	Machine Design I.	2	Mr. Chittleborough	S.M.	1 10 0
95	Mechanical Engineering III.	2	Mr. Wood ...	S.M.	3 0 0
40	Physics III., Lect and Pract.	11 <sub>2</sub>	Prof. Kerr Grant ...	U.	10 10 0
105	Railway Engineering	1	Prof. Chapman ...	U.	2 2 0

FOURTH YEAR.

85	Electrical Engineering II.	18	Mr. Clark ...	U.	17 17 0
89	Hydraulics	2 <sub>1</sub>	Prof. Chapman ...	U.	1 1 0
91	Machine Design II.	6	Mr. Wood ...	S.M.	4 7 0

ELECTRICAL ENGINEERING.

ALTERNATIVE COURSE **B.**

FIRST YEAR.

Same as for Mining.

SECOND YEAR.

33	Applied Mathematics	3	Prof. Chapman ..	U.	5 5 0
46	Chemistry II., Lectures	2	{ Prof. Rennie and Dr. Cooke }	U. and S.M.	{ 10 10 0
48	Chemistry II., Practical	10			
31	Mathematics I. (Second Year)	2	Mr. Gartrell ...	U.	3 3 0
38	Physics II.	9	Prof. Kerr Grant...	U.	12 12 0
106	Surveying and Levelling	6 <sub>1</sub>	Mr. Wood ...	S.M.	1 0 0

## THIRD YEAR.

Subject No. in Syllabus.	Subject.	Hours per Week.	Lecturer.	Place of Lecture.	Fee. £ s. d.
36	Applied Mechanics III. ...	4	Prof. Chapman ...	U.	4 4 0
78	Assaying II. (Electrical Course) 10	10	Mr. Read... ..	S.M.	4 14 6
82	Drawing II. ... ..	4	Mr. Chittleborough	S.M.	1 10 0
85A	Electrical Engineering I. ...	2	Mr. Clark... ..	U.	3 3 0
40	Physics III., Lect. and Pract. 11 <sub>2</sub>	11 <sub>2</sub>	Prof. Kerr Grant...	U.	10 10 0

## FOURTH YEAR.

73	Applied Mechanics II. ...	2 <sub>2</sub>	Mr. Wood ... ..	S.M.	1 0 0
85	Electrical Engineering II. ...	18	Mr. Clark ... ..	U.	17 17 0
109	Electro Metallurgy ... ..	1 <sub>1</sub>	Mr. Reid ... ..	S.M.	1 0 0
89	Hydraulics ... ..	2 <sub>1</sub>	Prof. Chapman ...	U.	1 1 0
90	Machine Design I. ... ..	2	Mr. Chittleborough	S.M.	1 10 0
105	Railway Engineering ... ..	1	Prof. Chapman ...	U.	2 2 0

## MECHANICAL ENGINEERING.

## FIRST YEAR.

Same as for Mining, with the addition of

108	Woodwork ... ..	4	Mr. Tilley ... ..	S.M.	2 2 0
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## SECOND YEAR.

33	Applied Mathematics ...	3	Prof. Chapman ...	U.	5 5 0
82	Drawing II. ... ..	4	Mr. Chittleborough	S.M.	1 10 0
90	Machine Design I. ... ..	2	Mr. Chittleborough	S.M.	1 10 0
31	Mathematics I., Second Year	2	Mr. Gartrell ...	U.	3 3 0
104	Pattern Making ... ..	4	Mr. Tilley ... ..	S.M.	2 2 0
38	{ Physics II., Lect. and Pract. 9 <sub>1</sub> } { " " Practical ... 6 <sub>2</sub> }	9 <sub>1</sub> 6 <sub>2</sub>	{ Prof. Kerr Grant ...	U.	10 10 0
73	Applied Mechanics II. ...	2 <sub>2</sub>	Mr. Wood ... ..	S.M.	1 0 0

## THIRD YEAR.

Subject No. in Syllabus.	Subject.	Hours per Week.	Lecturer.	Place of Lecture.	£	s.	d.
36	Applied Mechanics III.	4	Prof. Chapman	U.	4	4	0
87	Fitting and Turning II.	4	Mr. Walters	S.M.	2	5	0
89	Hydraulics	2 <sub>1</sub>	Prof. Chapman	U.	1	1	0
92	Machine Design II.	6	Mr. Wood	S.M.	4	7	0
94	Mechanical Engineering II.	2	Mr. Wood	S.M.	2	5	0
	"    "    Practical	3 <sub>2</sub>					
95	Mechanical Engineering III.	2	Mr. Wood	S.M.	3	0	0

## FOURTH YEAR.

85A	Electrical Engineering I.	2	Mr. Clark	U.	3	3	0
88	Fitting and Turning III.	4	Mr. Walters	S.M.	2	5	0
92	Machine Design III.	8	Mr. Wood	S.M.	4	10	0
96	Mechanical Engineering IV.	2	Mr. Wood	S.M.	4	10	0
105	Railway Engineering	1	Prof. Chapman	U.	2	2	0
106	Surveying and Levelling	6 <sub>1</sub>	Mr. Wood	S.M.	1	0	0

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## OF THE DEGREE OF BACHELOR OF LAWS

AND

## OF THE FINAL CERTIFICATE IN LAW.

### REGULATIONS.

- I. All Students before commencing the course for the Degree of Bachelor of Laws shall either—
  1. Have passed the Senior Public Examination (including Latin), or
  2. Have already graduated in Arts.
- II. All Students before commencing the course for the Final Certificate required for admission as a Practitioner of the Supreme Court shall either—
  1. Have passed the Senior Public Examination (including Latin), or
  2. Shall be articled, or qualified to be articled, to a Practitioner of the Supreme Court.
- III. A Certificate that he has passed a Matriculation Examination of the University shall be given to any Student in Law who shall have passed the Senior Public Examination (including Latin).
- IV. The subjects for Examination for the Degree of Bachelor of Laws shall be divided into two classes, hereinafter distinguished as Ordinary Subjects and Special Subjects.
- \*V. The Ordinary Subjects are the following :—
  1. The Law of Property (Part I). (110)
  2. The Law of Property (Part II). (111)
  3. The Law of Contracts. (113)
  4. The Law of Wrongs (Civil and Criminal). (114)
  5. The Law of Evidence and Procedure. (118)
  6. Constitutional Law. (112)

*\*Allowed 10th December, 1900.*

\*VI. The Special Subjects are the following :—

1. Latin. (2)
2. Any one subject of the course for the Ordinary Degree of Bachelor of Arts exclusive of Latin and Jurisprudence.
3. Roman Law. (115)
4. Theory of Law and Legislation. (117)
5. Private International Law. (116)

VII. Candidates for the Degree of Bachelor of Laws are required to pass in all the above subjects, both Ordinary and Special.

VIII. Candidates for the Final Certificate are required to pass in the Ordinary subjects only.

\*IX. Students who shall have already graduated in Arts, including Latin, will be credited with having passed in the special subjects numbered 1 and 2.

\*X. Candidates who have passed examinations *in pari materia* in other Faculties or otherwise, and desire that the examinations they have passed should be counted *pro tanto* for the Degree of Bachelor of Laws may on application to the Council be granted such exemption from the requirements of these Regulations as the Council shall determine.

XI. Annual Examinations shall be held in November and March in each year.

†XII. All subjects, whether ordinary or special, may be taken at any annual Examination, and in any order; except that no student shall, without the special permission of the Faculty, present himself for examination in the Law of Property, Part II, before he has passed in the Law of Property, Part I, or within six months thereafter. Provided that no student shall present himself for examination in any special subject in March without the special permission of the Faculty.

‡XIII. No Student shall at any Annual Examination present himself for examination in more than three subjects save by the special permission of the Faculty.

\*XIV. Subject to the exceptions hereinafter stated no student shall present himself for examination in any subject in respect of which he has not gained credit for one academical year's attendance at lectures.

\* Allowed 3rd January, 1907.

† Allowed 12th August, 1903.

‡ Allowed 19th January, 1910.

- \*XV. No Student shall be credited with an academical year's attendance at lectures in any subject unless he shall have attended and gained credit for three-fourths of the lectures given on that subject in each term of the year, and shall have presented himself at two Term Examinations in the subject during the year, and shall have passed one at least of such examinations. Written work done by the candidate, and the results of terminal or other examinations in any subject, may be taken into consideration at the final examination in that subject.
- XVI. Any student shall be exempt from the requirements of Regulation XIV., if, and so long as he is articled to a Practitioner of the Supreme Court, whose office is more than ten miles distant from the University.
- \*XVII. The Council, on the recommendation of the Faculty of Law, may exempt any Student wholly or partially, from the requirements of Regulation XIV.
- XVIII. All Students shall be classified as proceeding either to the Degree of Bachelor of Laws, or for the Final Certificate, but any Student may at any time (even after obtaining the Final Certificate) if qualified under Regulation I., be removed from one class into the other, on application to the Registrar, and all Ordinary subjects in which he may have passed while in the one class shall be credited to him in the other.
- †XIX. Schedules defining the scope of the subjects of study and appointing text-books in respect of the same shall be drawn up by the Faculty, subject to the approval of the Council, and students will be required to show not merely an acquaintance with those books, but also a competent knowledge of the subjects of study. All students, whether exempted from attendance at lectures or not, shall be required to do such written or practical work as may be prescribed by the Professor or Lecturer.
- †XX. The names of all Students who shall pass an Annual Examination in any subject shall be arranged under the heading of such subject in three classes in order of merit in each class, provided that students who shall pass in the special subjects numbered 1 and 2 shall be arranged in accordance with the Regulations of the Ordinary Degree of Bachelor of Arts. A copy of such list shall be transmitted by the Registrar to the Chief Justice or to the Senior Judge of the Supreme Court.

*\* Allowed 3rd January, 1907.*

*† Allowed 19th January, 1910.*

XXI. Students shall give to the Registrar one calendar month's notice of their intention to present themselves at an Annual Examination. A notice not complying with this Regulation shall not be received unless the Faculty of Law, on application, orders otherwise.

\*XXII. The undermentioned fees shall be payable in advance :—

(1). Entrance fee payable by all students at the commencement of their Course ... ..	£2 2 0
(2). Fee payable in each Term for every subject in which a Student attends lectures ... ..	1 11 6
(3). Fee for each subject at an Annual Examination ..	1 1 0
(4). Fee for attendance at lectures and examination in the special subjects numbered 1 and 2, the same fee as prescribed by the Regulations of the Ordinary Degree of Bachelor of Arts.	
(5). Fee for the Final Certificate ... ..	5 5 0
(6). Fee for the Degree of Bachelor of Laws... ..	5 5 0

Students exempted from attendance at lectures in any subject shall, in addition to the examination fee, pay one-third of the lecture fee for that subject during such period of exemption.

XXIII. These Regulations shall apply to all present students, but they shall be credited with the subjects in which they may have already passed under the Regulations hereby repealed. Students now proceeding to the Degree of Bachelor of Laws under Regulation IX. or XI. of the Regulations hereby repealed shall be exempt from the requirements of Regulation XIV., nor shall they be required to pass in any additional subject in consequence of the establishment of these present Regulations.

XXIV. The following form of notice is prescribed.—

*Form of Notice to be sent to the Registrar by any Student intending to present himself at an Annual Examination in Law.*

THE UNIVERSITY OF ADELAIDE.

I, \_\_\_\_\_, a student of this University, hereby give notice that I intend to present myself at the Annual Examination in Law, in the month of \_\_\_\_\_ next for examination in the undermentioned subjects :

[Here state subjects.]

\* Allowed 19th January, 1910.

I send herewith the prescribed fee of £                      being £1 ls. for each of the above mentioned subjects.

(If the student is an articled clerk, add) : .

I am articled to Mr.    a solicitor of the Supreme Court, whose office is situated in

Dated this    day of

(Signature of Student).....

(Address).....

To the Registrar,  
University of Adelaide.

XXV. From and after the allowance and counter-signature by the Governor of these Regulations, there shall be repealed all Regulations hitherto made respecting the Degree of Bachelor of Laws and the Final Certificate in Law.

*Allowed 25th January, 1899.*

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## RULES OF THE SUPREME COURT.

The Rules of the Supreme Court respecting the admission of legal practitioners which concern students of Law in the University are here printed for convenience of reference :—

6. Every person must, before he enters into articles, produce to the Board a certificate of his having passed the Matriculation Examination in the University of Adelaide, or in some University recognized by the University of Adelaide, or of his having passed the preliminary or any intermediate examination which clerks articulated in England, Ireland, or Scotland, may for the time being be required to pass, and must lodge with the Board a copy of the certificate of his having so passed.

8. Every such articulated clerk and every person not actually called to the bar or admitted as mentioned in Rule 11, shall, before he applies for admission to practise in the Court, after examination, have taken, or be entitled to take, the degree of Bachelor of Laws at the University of Adelaide, or shall, at the proper examinations of the University of Adelaide, have passed in—

The Law of Property,  
Constitutional Law,  
The Law of Obligations,  
The Law of Wrongs, (civil and criminal), and  
The Law of Procedure :

and shall furnish to the Board the said University's final certificate of having so passed.

11. The following persons only shall, subject to these Rules, be eligible to be admitted to practise as barristers, attorneys, solicitors, and proctors, that is to say :—

1. Persons who have been articulated to some practitioner of the Court for the full term of five years, and have served the full term of their clerkship : Provided that in the case of any person who shall before or during his service under articles have taken the degree of Bachelor of Laws or of Arts in the University of Adelaide, or in some University recognized by the University of Adelaide, service under articles, for the full term of three years, shall be sufficient.

- II. Persons who shall have served the full term of five years as associate or assistant or acting associate to the Judges of the Court or any of them : Provided that if any such person shall, before or during service as such associate or assistant or acting associate have taken the degree of Bachelor of Laws or of Arts in the University of Adelaide, or in any University recognised by the University of Adelaide, such service for the full term of three years shall be sufficient : Provided also that such associate or assistant or acting associate shall, by the certificate of any one of the said Judges, satisfy the Board as to his conduct and fitness to be admitted.
  
  - III. Persons who shall have served the full term of five years, during part of such period as associate or assistant or acting associate to the Judges of the Court or any of them, and during part of such period under articles of clerkship : Provided that if any such person shall, before or during such service have taken the degree of Bachelor of Laws or Arts in the University of Adelaide or in any University recognised by the University of Adelaide, such service for the full term of three years shall be sufficient: Provided also that, without limiting the effect of Rule 9, every such person shall, by the certificate of any one of the said Judges satisfy the Board as to his conduct and fitness to be admitted.
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## OF THE DEGREE OF DOCTOR OF LAWS.

## REGULATIONS.

- I. A Bachelor of Laws may proceed to the Degree of Doctor of Laws by complying with the following Regulations, but shall not be admitted to the Degree until the expiration of the third academic year from his admission as a Bachelor of Laws.
- II. Every Candidate shall present an original thesis of sufficient merit exhibiting powers of original research on some branch or subject of law proposed by him and approved by the Faculty of Law. He must satisfy the Examiners by such proof as they shall require that the thesis is his own composition.
- III. The Examiners may, if they think fit, examine the Candidate either orally or by written questions in the subject matter of his thesis.
- IV. A printed or type written copy of any thesis approved by the Examiners shall be deposited by the Candidate in the Library of the University before he is admitted to the Degree.
- V. Candidates who comply with the foregoing conditions and satisfy the Examiners may be admitted to the Degree of Doctor of Laws.
- VI. The following fees shall be payable in advance :—

On presentation of Thesis ... ..	£10 10 0
On admission to the Degree ... ..	10 10 0

*Allowed 12th December, 1907.*

## OF THE DEGREES OF BACHELOR OF MEDICINE AND BACHELOR OF SURGERY.

### REGULATIONS.

I. No person shall be permitted to commence the medical course until he shall have completed his sixteenth year and have produced evidence of the fact to the satisfaction of the Council.

II. Before entering upon the Medical Course, the intending student must—

(A) Have passed the Senior Public Examination in at least five subjects at one and the same examination; and if the subjects passed have not included :

(1). English Literature.

(2). Latin.

(3). Arithmetic and Algebra.

(4). Geometry ; and

(5). One of the following :—(a) Greek ; (b) French  
(c) German.

he must also have passed some prior or subsequent Senior Public Examination in such of those five subjects as were not so included,

and (B) Have passed in Physics, Chemistry, and Elementary Biology at the Higher Public Examination, or, in Compulsory Physics, Chemistry, and Elementary Biology for the degree of B.Sc. in November, or, at a special examination, to be held in March, for intending medical students.

The fee for the examination in March will be £1 for each subject.

III. On entering the Medical Course the student must send his name to the Registrar of the University for registration as a Medical Student by the General Medical Council in London.

IV. To obtain the degrees of Bachelor of Medicine and Bachelor of Surgery the student must complete five academic years

*NOTE.—If the student desires to comply with the requirements of the General Medical Council in London, all the subjects under Regulation II (A) must be passed at one and the same examination.*

of medical study, and pass the examination proper to each year before commencing the course of study and practice for the following year.

- V. The student shall forward to the Registrar notice of his intention to present himself at the examination in any year, together with certificates of having completed the course of study and practice prescribed for that year (*see* Schedule 2).
- VI. Schedules shall be drawn up by the Faculty of Medicine, and, after approval by the Council, shall be published before the commencement of each academic year. Such Schedules shall prescribe
1. Details of the course of study and practice for each academic year.
  2. The forms of notices and certificates required from students under these Regulations.
- VII. The student shall not in any academic year be credited with attendance at the lectures on any subject unless he shall have attended three-fourths of the lectures given in that subject, except in case of illness or other sufficient cause to be allowed by the Council.
- VIII. The Ordinary Examination shall be held in November of each year, and the date of the examination shall be fixed by the Council :
- a.* Provided that when the course of instruction in any subject has been completed before the end of the third term, the examination in that subject may be held at any convenient time to be appointed by the Council between the termination of such course and the date fixed for the Ordinary Examination in November.
  - b.* Students who pass in such examination shall be deemed to have passed in that subject at the Ordinary Examination in the November next ensuing, and the marks obtained by them shall be taken into account in determining the results of such Ordinary Examination.
  - c.* Any student who fails to pass at such interim examination or who, by reason of illness or other sufficient cause allowed by the Council, has been prevented from attending the whole or part of such examination may, with the permission of the

Council on the recommendation of the Examiners, present himself for re-examination in the subject in which he has failed at the Ordinary Examination in November next ensuing, but he shall not be entitled to be classified.

IX. Except where otherwise provided by these Regulations the names of the successful candidates at each Ordinary Examination shall be arranged in three classes, and in each class in order of merit.

X. In addition to the Ordinary Examination in November, a Supplementary Examination may be held in the following March, or on a date to be fixed by the Council. No student shall be allowed to present himself at any such Supplementary Examination without the special permission of the Council.

XI. Any student who has passed examinations *in pari materiâ* in other Faculties or otherwise, and desires that such examination shall be counted *pro tanto* for the degrees of Bachelor of Medicine and Bachelor of Surgery in any year, shall on application to the Council be granted such exemption from the requirements of these regulations as the Council shall determine, but shall not be entitled to classification in the pass-lists of that year.

XII. Any student who has presented himself at an Ordinary Examination, but has failed to pass, or who, by reason of illness or other sufficient cause, allowed by the Council, has been prevented from attending the whole or part of such examination, may, if recommended by the Board of Examiners, apply to the Council for permission to present himself for examination at a Supplementary Examination. Such recommendation shall be made by the Board of Examiners when settling the results of the Ordinary Examinations, but the Board shall in no case recommend for a Supplementary Examination any student of the fifth year who has failed to pass at the Ordinary Examination.

XIII. The student shall not be required to be re-examined at the Supplementary Examination in any subject in which he has passed at the Ordinary Examination in the previous year, and, on passing the Supplementary Examination in the subjects in which he has failed to present himself or to pass at the Ordinary Examination, he shall be deemed to have completed an academic year of his course, but no classification will be allowed.

- XIV. At the First Examination the student shall satisfy the Examiners in each of the following subjects :—
1. *Anatomy and Dissections.*
  2. *Physiology*, theoretical and practical, including Histology and Physiological Chemistry.
  3. *Organic Chemistry*, theoretical and practical, with special reference to Physiology and Medicine. The chemistry of Poisons, organic and inorganic, with special reference to their detection.
  4. *Physical Chemistry.*
- XV. At the Second Examination the student shall satisfy the Examiners in each of the following subjects :—
1. *Anatomy*, general and descriptive, with Dissections.
  2. *Physiology*, theoretical and practical, including Histology and Physiological Chemistry.
  3. *Materia Medica.*
- XVI. At the Third Examination the student shall satisfy the Examiners in each of the following subjects :—
1. *Principles and Practice of Medicine*, including *Clinical Medicine.*
  2. *Principles and Practice of Surgery*, including *Clinical Surgery.*
  3. *Regional and Surgical Anatomy.*
  4. *Bacteriology.*
- XVII. At the Fourth Examination the student shall satisfy the Examiners in each of the following subjects :—
1. *Principles and Practice of Medicine*, including *Clinical Medicine.*
  2. *Principles and Practice of Surgery*, including *Surgical Anatomy, and Clinical Surgery.*
  3. *Pathology.*
  4. *Obstetrics.*
  5. *Forensic Medicine*, including *Insanity.*
- XVIII. At the Fifth Examination the student shall satisfy the Examiners in each of the following subjects :—
1. *Medicine*, all branches.
  2. *Surgery*, all branches, including *Surgical Anatomy and Operative Surgery.*

3. *Gynæcology.*
4. *Ophthalmology.*
5. *Otology.*
6. *Therapeutics.*
7. *Elements of Hygiene.*

XIX. The following shall be the fees for the course, payable per Term in advance, in such instalments as the Council shall from time to time determine :—

## FIRST YEAR.

Anatomy (three terms) ... ..	£8 8 0	
Physiology, Lectures (two terms) ... ..	4 4 0	
Histology (two terms) ... ..	6 6 0	
Physiological Chemistry (one term) ... ..	3 3 0	
Organic Chemistry (three terms) ... ..	8 8 0	
Physical Chemistry (one term)... ..	1 1 0	
	<hr/>	£31 10 0

## SECOND YEAR.

Anatomy (three terms) ... ..	8 8 0	
Physiology, Lectures (one term) ... ..	2 2 0	
Histology (one term) ... ..	3 3 0	
Materia Medica (three terms) ... ..	2 2 0	
	<hr/>	15 15 0

## THIRD YEAR.

Principles and Practice of Medicine (three terms) ... ..	6 6 0	
Principles and Practice of Surgery (three terms)	5 5 0	
Clinical Medicine and Surgery (three terms)	4 4 0	
Regional and Surgical Anatomy (three terms)	6 6 0	
Pathology (two terms) ... ..	2 2 0	
Bacteriology (the course)... ..	3 3 0	
	<hr/>	27 6 0

## FOURTH YEAR.

Principles and Practice of Medicine (three terms) ... ..	6 6 0	
Principles and Practice of Surgery (three terms)	5 5 0	
Clinical Medicine and Surgery (three terms)	4 4 0	
Pathology (three terms) ... ..	3 3 0	
Obstetrics (three terms) ... ..	3 3 0	
Forensic Medicine and Insanity (three terms)	4 4 0	
	<hr/>	26 5 0

## FIFTH YEAR.

Clinical Medicine and Surgery (three terms)...	4 4 0
Operative Surgery ... ..	4 4 0
Gynæcology ... ..	3 3 0
Ophthalmology ... ..	3 3 0
Otology ... ..	2 2 0
Diseases of Children ... ..	2 2 0

Therapeutics	...	...	...	...	...	4	4	0	
Vaccination	...	...	...	...	...	1	1	0	
									24 3 0
									124 19 0
Fee for each Ordinary Examination, £3 3s.	Total amount								
of Examination Fees for the Five Years	...	...	...	...	...				15 15 0
Fee for the Degree of Bachelor of Medicine and Bachelor of Surgery	...	...	...	...	...				5 5 0
									£145 19 0
Fee by each Candidate for a Supplementary Examination									5 5 0
Fee for re-examination at an Ordinary Examination in each subject in which the Candidate has failed to pass at an interim examination	...	...	...	...	...				1 1 0

XX. All regulations hitherto in force concerning the degrees of Bachelor of Medicine and Bachelor of Surgery are hereby repealed: provided that this repeal shall not affect—

(a) anything done or suffered under any regulations hereby repealed, or

(b) any right or status acquired, duty imposed, or liability incurred by or under any regulation hereby repealed.

XXI. All questions arising under these Regulations shall be determined by the Council.

*Allowed 24th August, 1910.*

### SCHEDULES.

[Before commencing the Medical course, every student must provide himself with a Microscope, which shall be subject to the approval of the Professor of Physiology.]

#### I.

Subjects for each year of the Medical Course:—

During the first academic year every student shall

(a) Attend a course of lectures and demonstrations on Anatomy.

(b) Dissect, during six months, to the satisfaction of the Professor of Anatomy.

(c) Attend a course of lectures on Physiology.

(d) Perform practical physiological work to the satisfaction of the Professor of Physiology.

- (e) Attend a course of lectures on Organic Chemistry.
- (f) Perform practical work in Organic Chemistry and Toxicology, during three months, to the satisfaction of the Professor of Chemistry.
- (g) Attend, during one term, a course of lectures on Physical Chemistry.

During the second academic year every student shall

- (a) Attend a course of lectures on Anatomy.
- (b) Dissect, during the whole of the academical year, to the satisfaction of the Professor of Anatomy.
- (c) Attend a course of lectures on Physiology.
- (d) Perform practical physiological work to the satisfaction of the Professor of Physiology.
- (e) Attend a course of lectures on Materia Medica.
- (f) Produce a certificate of having received instruction in Practical Pharmacy during a period of three months from the Dispenser of the Adelaide Hospital, or from some other qualified person approved by the Council.

During the third academic year every student shall

- (a) Attend a course of lectures on the Principles and Practice of Medicine.
- (b) Attend a course of lectures on the Principles and Practice of Surgery.
- (c) Attend, during the whole of the academic year, a course of lectures on Clinical Medicine and Clinical Surgery.
- (d) Attend a course of demonstrations on Regional and Surgical Anatomy.
- (e) Attend a course of lectures on Pathology, and perform a course of practical laboratory work.
- (f) Attend a course of practical demonstrations on Bacteriology, and shall produce a certificate of proficiency, signed by the Demonstrator.
- (g) Attend diligently the Medical and Surgical Practice of the Adelaide Hospital both in the wards and in the out patients' department during the whole of the academic year.
- (h) Hold the office of Surgical Dresser during six months and that of Medical Clerk during three months; or, hold the office of Medical Clerk during six months and that of Surgical Dresser during three months.

- (i) Produce a certificate of having received instruction in Dentistry from some qualified person approved by the Council.
- (j) Post Mortem Examinations.—Every student shall attend at least forty Post Mortem Examinations, and these shall include all cases for which he has been Clinical Clerk or Dresser.

During the fourth academic year every student shall

- (a) Attend a course of lectures on the Principles and Practice of Medicine.
- (b) Attend a course of lectures on the Principles and Practice of Surgery.
- (c) Attend during the whole of the academic year courses of lectures on Clinical Medicine and Clinical Surgery.
- (d) Attend a course of lectures on Obstetrics.
- (e) Attend a course of lectures on Forensic Medicine and Insanity.
- (f) Attend a course of Lectures on Pathology.
- (g) Attend diligently, during the whole of the academic year, the medical and surgical practice of the Adelaide Hospital, both in the wards and in the out-patients' department.
- (h) Hold the office of Medical Clerk during six months and that of Surgical Dresser during three months; or, hold the office of Surgical Dresser during six months and that of Medical Clerk during three months, provided that he shall produce evidence of having during the third and fourth years held office as Surgical Dresser for a total period of not less than nine months and of having held office as Medical Clerk for not less than nine months.
- (i) Midwifery. (*See paragraph (l) of fifth year.*)
- (j) Post Mortem Examinations.—Every student shall attend at least forty Post Mortem Examinations, and these shall include all cases for which he has been Clinical Clerk or Dresser. (*See paragraph (l) of schedule for fifth year.*)

- (k) Perform, himself, *Post Mortem* Examinations during three months, provided that the whole or any part of such personal performance of *Post Mortem* Examinations may take place during the third year.
- (l) Attend the practice of the Hospitals for the Insane during three months.

During the fifth academic year every student shall

- (a) Attend during the whole of the academic year courses of lectures on Clinical Medicine and Clinical Surgery.
- (b) Attend a course of lectures on Therapeutics.
- (c) Attend a course of lectures on Gynæcology.
- (d) Attend a course of lectures on Ophthalmology.
- (e) Attend a course of lectures on Otology.
- (f) Perform a course of Operative Surgery.
- (g) Attend diligently the Medical and Surgical Practice of the Adelaide Hospital, both in the wards and in the out-patients' department during the whole of the academic year.
- (h) Hold the office of Surgical Dresser and Medical Clerk in the Gynaecological Wards of the Adelaide Hospital during three months.
- (i) Hold the office of Surgical Dresser and Medical Clerk in the Ophthalmological Wards of the Adelaide Hospital during three months.
- (j) Attend a course of clinical instruction on the diseases of children at the Adelaide Children's Hospital.
- (k) Hold the office of Surgical Dresser and Medical Clerk at the Adelaide Children's Hospital during two months.
- (l) Attend twenty cases of Midwifery. Provided that the whole or any part of such number may be attended during the Fourth Year, and provided that he shall not attend cases of Midwifery during the periods that he holds the office of Surgical Dresser, or is attending or performing *Post Mortem* Examinations, or is practising operative surgery on the dead body.

- (m) Produce a certificate of having received instruction in Vaccination from some legally qualified practitioner approved by the Council.
- (n) Produce a certificate of having received instruction in the administration of Anaesthetics from the Medical Superintendent of the Adelaide Hospital.

## II.

Every student, at the time of forwarding to the Registrar the notice of his intention to present himself at each of the above Examinations, shall produce certificates of his having completed the course of study and practice proper to each year.

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## RULES FOR THE ADMISSION OF MEDICAL STUDENTS TO THE PRACTICE OF THE ADELAIDE HOSPITAL.

The following rules for the admission of students to the practice of the Adelaide Hospital are published in the Calendar for convenience of reference :—

- I. Each medical student of the University of Adelaide shall be admitted as a pupil to the practice of the Hospital under the control of the Medical Superintendent.
- II. No student shall publish the report of any case without the written permission of the Physician or the Surgeon under whose care the patient has been.
- III. No student may introduce visitors into the Hospital without permission from the Medical Superintendent.
- IV. Each pupil entering for dispensary practice shall be under the immediate control of the Dispenser, and, in his absence, of the Assistant Dispenser, who shall be answerable to the Board for his good conduct.
- V. Every pupil shall conduct himself with propriety, and discharge the duties assigned to him, and pay for or replace any article injured or lost or destroyed by him, and make good any loss sustained by his negligence.
- VI. If any pupil infringe any rule of the Hospital, or otherwise misconduct himself, he shall be subject to dismissal by the Board, and shall, on dismissal, forfeit all payments which he may have made and all rights accruing therefrom.
- VII. The members of the Honorary Staff will give clinical instruction on the following terms, viz. :—
  - For the medical practice of the Hospital, for each pupil £5 5s. per annum.
  - For the surgical practice of the Hospital, for each pupil £5 5s. per annum.
  - And for both medical and surgical practice, and practice in special subjects (as in the fifth year), £10 10s. per annum.

These fees to include the appointment of Clinical Clerk and Dresser.

For each six months' instruction in the *post-mortem*, room, £2 2s.

For three months' instruction by the Dispenser in Practical Pharmacy, £2 2s.

For instruction in Bacteriology, £1 1s.

For instruction in the administration of anaesthetics, £1 1s.

Each student commencing attendance on the clinical practice of the Hospital shall be required to pay an entrance fee of £5 5s. All fees to be paid to the Secretary of the Hospital.

VIII. No student shall visit any patient who has undergone a major operation, or any case of acute illness, without permission of the Resident Physician or Surgeon.

IX. No student shall attend the practice of the surgical wards during the period that he is performing *post-mortem* examinations.

#### CLERKS AND DRESSERS.

Each clerk and dresser shall—

- I. Be appointed every three months, and may apply for appointment under any honorary officer, provided that the list is not full. May apply in advance after passing the third and second year examination respectively. Shall be allotted by the Medical Superintendent, who will be guided by the examination result list.
- II. Attend at 9 a.m. and sign his name in a book provided for that purpose. The book will be removed at 9.15 a.m. for inspection by the Medical Superintendent. Any failure to attend must be followed by a written explanation to the Medical Superintendent. Shall at 9 o'clock attend the wards, and shall accompany the Honorary Officer during his visits, and on other days his Resident Medical Officer, when making his round of the wards in the morning. Shall assist and be under the immediate supervision of the Resident Medical Officers; and shall leave the wards at 12.30, and may return at 1.30 p.m.
- III. Take the new cases allotted to him in turn (new cases are to be recorded within twenty-four hours of admission), and shall read his notes to the Honorary Officer.
- IV. Attend when possible the *post-mortem* examinations, and shall read to the Pathologist a clinical *resume* of each case allotted to him in the wards, and shall transcribe, at the dictation of

the Pathologist, an account of *post-mortem* conditions. An attendance book will be kept at the mortuary, in which each student present shall sign his name. This book will be countersigned by the Pathologist.

- V. Make a written note at least twice a week of each case allotted to him. These notes are inspected by the Medical Superintendent, who will call attention to any defect.
- VI. Receive at the end of his term a certificate from the Medical Superintendent when he has fulfilled these conditions, and stating that fact. If the work is unsatisfactory the Medical Superintendent shall report to the Dean of the Faculty and may refuse a certificate. The certificate shall be signed by the Honorary Officer to whom the student has been attached, and countersigned by the Chairman of the Board.
- VII. Attend the out-patient practice of the junior colleague of the Honorary Officer to whom he is attached. Shall, before the arrival of the Honorary Officer, write on a card a short history of any new case, and shall examine the patient with the Honorary Officer.
- VIII. During the month of February each student of the third and fourth year shall attend respectively a course of elementary surgical and medical training. These courses will consist of two lectures a week, delivered by the Medical Tutor and the Surgical Tutor.

#### CLINICAL CLERKS.

Each Clinical Clerk shall—

- I. Make any *post-mortem* examination under the direction of the Pathologist. A record of examinations made by him will be kept in the attendance-book in the Mortuary.
- II. Examine in the Bacteriological Laboratory of the Hospital the sputum for tubercle bacillus, and shall examine any pathological fluid or specimen from his cases. Tests of the urine are to be made at least once a week. He shall record the results of such examinations in his notes.

#### SURGICAL DRESSERS (INCLUDING THOSE IN SPECIAL DEPARTMENTS).

Each Surgical Dresser shall—

- I. Assist the Surgeon and House Surgeons in operations of the cases allotted to him ; and shall also have and prepare, if required, the site of operation.

- II. Dress cases, or assist in dressing, as required by the Honorary Officer, or by his Resident Medical Officer. Tests of the urine are to be made weekly, and always on the morning of an operation.

RECEIVING-ROOM.

- I. A Clerk and a Dresser shall be appointed each day to take duty in the Receiving-room. They shall there dress wounds and otherwise assist the Resident Medical Officers.

OBSTETRIC DEPARTMENT.

- I. Each student attending cases for the Midwifery Department of the Hospital shall post in the Consulting-room his telephone address by day and by night.
  - II. He shall, on receiving a summons from the Hospital, promptly obtain from the Consulting-room the address of the patient and the midwifery-bag.
  - III. At the conclusion of the case the midwifery bag is to be returned, and the midwifery return book written up and signed.
  - IV. In any case of difficulty or danger he shall summon the Resident Medical Officer. No instrumental interference is to be undertaken by students.
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## RULES FOR THE ADMISSION OF MEDICAL STUDENTS TO THE PRACTICE OF THE ADELAIDE CHILDREN'S HOSPITAL.

Medical students are admitted as pupils to the practice of the Adelaide Children's Hospital under the conditions hereinafter mentioned, and subject to any fresh rules that the Board of Management may make from time to time :—

- I. Students may attend the practice of the Adelaide Children's Hospital between the hours of 8.30 a.m. and 12 noon, and at other times if they have obtained the permission of one of the Visiting or Resident Medical Officers.
  
- II. No student may publish the report of any case without the authority of the Visiting Medical Officer under whose care the patient has been.
  
- III. No student may introduce visitors into the Hospital without the permission of the Resident Medical Officer, or in his or her absence of the Superintendent of Nurses.
  
- IV. The fees to be paid are as follow :—
 

For three months' course	...	£1 1 0
For perpetual attendance	...	2 2 0

(The fees are to be paid to the Secretary of the Hospital.)

N.B.—Until otherwise ordered the Board of Management allows all such fees to be devoted to the purchase of appliances and books for the teaching of the students.

- V. Certificates of attendance signed by the Resident Medical Officer are issued after approval of the Medical Committee of the Board of Management

## RULES OF THE BIOLOGICAL LABORATORY.

- I. The Laboratory is open every week day throughout the session from 9 a.m. to 5 p.m.; on Saturdays from 9 to 12.
- II. Each student has a definite seat assigned to him in the Laboratory, which he is not allowed to change without permission.
- III. Each student has the free use of a locker or drawer, of which a key may be obtained from the assistant on payment of a deposit of half-a-crown. This will be refunded when the key is returned.
- IV. All necessary re-agents and materials are provided by the Laboratory, but each student is required to furnish himself with the following apparatus:—

1 pocket lens.	2 Forceps (broad and fine pointed).
3 dozen slides, 3 in. x 1 in.	2 scissors (large and small).
$\frac{1}{2}$ -oz. cover-glasses, $\frac{3}{4}$ in. squares No. 2.	3 needles (in handles).
1 box for mounted slides.	1 seeker.
1 case of biological instruments, containing—	1 section lifter.
3 scalpels (large and small).	2 razors.

*Microscopes*: Medical students are required to supply their own instruments (see First year schedule for degree of M.B. and B.S.); other students may use microscopes provided by the University on payment of a fee of 10/6 per term. Every student taking the courses of Biology and Physiology is strongly advised, however, to purchase at the beginning of his course, a microscope of approved pattern for himself, as it is a great advantage for him to become familiar with his own instrument.

Each student will also provide himself with—

2 dusters.	Notebook, lead and coloured pencils.
1 small chamois leather.	No ink allowed.
1 soft silk handkerchief.	

- V. Paper and scraps or refuse of any kind must not be thrown into the sinks but into the vessels provided for the purpose.

- VI. Each student taking the course of Physiological Chemistry must, at the beginning of the third term, pay a deposit fee of 10/-. Against this deposit fee all breakages, and also the cost of filter paper, litmus papers, platinum wire and foil, glass tubing, and sundries, will be debited. The balance, if any, will be refunded at the end of the year. If at any time the value of the apparatus broken, and materials used by a student, exceeds the amount of his deposit fee, an additional deposit fee must forthwith be paid by him.
- VII. The larger and more expensive pieces of apparatus will be supplied for the general use of students by the University on the condition that all breakages are to be made good by the students using or breaking them, on such basis as the Professor may determine.
- VIII. All preparations made from materials supplied by the University shall be its property.
- IX. No experiments of a dangerous nature may be performed without the express sanction of the Professor.
- X. For original research carried on by students or graduates, with the consent and under the direction of the Professor, the Laboratory will be open gratis, except as regards such payment for material and special attendance as may be considered necessary by the Professor.
- XI. The Professor may exclude any student from the Biological Laboratory for any cause he shall think sufficient. Every such exclusion, and the grounds for it, must be reported by the Professor to the Council at its next meeting. The Council may affirm or cancel the exclusion upon such terms as it shall think fit. The fees paid by any student so excluded shall not be refunded to him unless the Council shall otherwise determine.
- XII. Fines, not exceeding 2s. 6d. in each case, may be imposed for the waste or misuse of gas, water, apparatus, or material in the Laboratory.

*Made by Council, June, 1911.*

OF THE DEGREE OF DOCTOR OF MEDICINE.  
REGULATIONS.

- I. Every candidate for the degree of Doctor of Medicine must either have been admitted to the degree of Bachelor of Medicine in the University of Adelaide after examination, or, having been admitted to the degree of Bachelor of Medicine in the University of Adelaide *ad eundem gradum*, must be eligible to be a candidate for admission to the degree of Doctor of Medicine in his own University, and, in either case, must pass an examination as hereinafter prescribed. Provided that Bachelors of Medicine admitted *ad eundem gradum* engaged in teaching at the University of Adelaide, or who, in the opinion of the Council, have attained distinction in their profession, may, on the recommendation of the Faculty of Medicine, and with the permission of the Council, present themselves for examination for the Degree of Doctor of Medicine, notwithstanding that they may not be eligible to be candidates for admission to the degree of Doctor of Medicine in their own Universities.
- II. No candidate shall be eligible for examination until the third year after his admission to the Degree of Bachelor of Medicine, except by permission of the Council on the recommendation of the Faculty of Medicine.
- III. The examination for the Degree shall be in such one of the following groups of subjects as the candidate may select:—
  - (a) General Medicine, including that of the Nervous System, Medical Ophthalmology, Therapeutics, and the History of Medicine.
  - (b) Diseases of the Nervous System, Mental Physiology and Pathology, and the History of those subjects.
  - (c) Pathology, including Pathological Anatomy, Bacteriology, and the History of those subjects.
  - (d) Obstetrics, Gynæcology, the Diseases of Infancy and of Childhood, and the History of those subjects.
  - (e) State Medicine in all its branches, including Medical Jurisprudence and Hygiene, and the History of those subjects.
- IV. The examination shall be held, when required, in the third term of each academic year, and may be conducted by means of printed or written papers, *viva voce* questions, practical demonstrations, and clinical examination of patients.

- V. A candidate may submit, with the notice of his intention to enter for the examination, an original thesis of his own composition on some branch of medical study or of the allied sciences, and embodying the result of independent research. The thesis may be written specially for the degree, or be an already published work, or a paper or series of papers read before any of the recognised Medical Societies of Australasia or of Great Britain, and the candidate must indicate wherein he considers that his thesis advances medical knowledge or practice. If the thesis be adjudged by the Faculty of Medicine, or by Examiners nominated by the Faculty to adjudicate upon it, to be of sufficient merit, the candidate may be exempted by the Council from a part or the whole of the examination for the Degree.
- VI. A printed or type-written copy of any thesis approved by the Examiners shall be deposited by the candidate in the Library of the University before he is admitted to the Degree.
- VII. Schedules may be drawn up from time to time by the Faculty of Medicine, subject to the approval of the Council :—
- (a) Prescribing further details of the subjects mentioned in Regulation III.
  - (b) Prescribing general rules for the admission of candidates to the examination during the first or second years after they have been admitted to the Degree of Bachelor of Medicine, but without restricting the power of the Council to grant permission in special cases on the recommendation of the Faculty.
- Any such Schedules shall be published in the University Calendar as soon as possible after they are approved by the Council.
- VIII. The names of successful candidates shall be arranged in alphabetical order.
- IX. The following fees shall be paid in advance :—
- |                                      |         |          |
|--------------------------------------|---------|----------|
| On entry for examination             | ... ..  | £15 15 0 |
| For the Degree of Doctor of Medicine | 10 10 0 |          |
- X. Each candidate shall forward to the Registrar, before the 1st of July in the year in which he wishes to be examined for the Degree, a notice in the subjoined form, or as near thereto as circumstances will permit :—

I, \_\_\_\_\_ a Bachelor of Medicine of the University of Adelaide, having been admitted to that Degree on the \_\_\_\_\_ day of \_\_\_\_\_, in the year \_\_\_\_\_, intend to become a Candidate for the Degree of Doctor of Medicine.

I desire to present myself for Examination in the third term of the current academic year in the following group of subjects :—

I submit herewith a Thesis on.....  
(if a thesis be presented)

And I forward the prescribed fee of £15 15s.

DATED the \_\_\_\_\_ day \_\_\_\_\_, 1

Signature of Candidate.....

Postal Address.....

To the Registrar,

University of Adelaide.

*Allowed 12th December, 1907.*

NOTE.—The Thesis or notice of intention to enter for examination must reach the Registrar not later than 1st July.

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#### SCHEDULE UNDER REGULATION VII. (b).

Circumstances under which the period of three years may be shortened :—

1. If the candidate has passed the M.B. Examinations in the First Class, or
2. If the candidate has held residential or visiting office, whether honorary or paid, in any public hospital or institution approved by the Faculty of Medicine and the Council, or
3. If the candidate has been assisting in the teaching of the University.

The Faculty shall recommend to the Council the extent of exemption in each individual case.

## OF THE DEGREE OF MASTER OF SURGERY.

## REGULATIONS.

- I. To obtain the Degree of Master of Surgery candidates must have been admitted to the Degree of Bachelor of Surgery in the University of Adelaide after examination, or *ad eundem gradum*, and must pass an examination as hereinafter prescribed.

Masters of Surgery of other Universities will only be admitted to the *ad eundem* Degree of this University if the Faculty of Medicine certify that in their opinion the Degree is of an equivalent standing to the Degree of Master of Surgery in this University.

- II. No candidate shall be eligible for examination until the third year after his admission to the Degree of Bachelor of Surgery in this University, except by permission of the Council on the recommendation of the Faculty of Medicine.
- III. The examination for the Degree shall be in the Principles of Surgery, including Surgical Anatomy, Pathology, Operative Surgery, and the History of those subjects, and, in addition, in such one of the following groups as the candidate may select :
- (a) Gynæcology, including the surgery incidental to Obstetrics, and the History of those subjects.
  - (b) The Surgery of the Abdomen, and its History.
  - (c) The Surgery of the Organs of the Special Senses, Throat and Larynx, and the History of those subjects.
- IV. The Examination shall be held, when required, in the third term of each academic year, and may be conducted by means of printed or written papers, *viva voce* questions, practical demonstrations, and clinical examination of patients.
- V. A candidate may submit, with the notice of his intention to enter for the Examination, an original thesis of his own composition on some branch of Surgery, or of the allied sciences, and embodying the result of independent research. The thesis may be written specially for this Degree, or be an already published work, or a paper or series of papers read before any of the recognised Medical Societies of Australasia, or of Great Britain, and the candidate must indicate wherein he

considers that his thesis advances surgical knowledge or practice. If the thesis be adjudged by the Faculty of Medicine, or by Examiners nominated by the Faculty to adjudicate upon it, to be of sufficient merit, the candidate may be exempted by the Council from a part, or from the whole, of the examination for the Degree.

- VI. A printed or type written copy of any thesis approved by the Examiners shall be deposited by the candidate in the Library of the University before he is admitted to the Degree.
- VII. Schedules may be drawn up from time to time by the Faculty of Medicine, subject to the approval of the Council :—
- (a) Prescribing further details of the subjects mentioned in Regulation III.
  - (b) Prescribing general rules for the admission of candidates to the examination during the first or second years after they have been admitted to the Degree of Bachelor of Medicine and Bachelor of Surgery, but without restricting the power of the Council to grant permission in special cases on the recommendation of the Faculty.

Any such schedules shall be published in the University Calendar as soon as possible after they are approved by the Council.

- VIII. The names of successful candidates shall be arranged in alphabetical order.
- IX. The following fees shall be paid in advance :—
- |                                     |     |     |     |    |   |
|-------------------------------------|-----|-----|-----|----|---|
| On entry for examination            | ... | ... | £15 | 15 | 0 |
| For the Degree of Master of Surgery |     |     | 10  | 10 | 0 |
- X. Each candidate must forward to the Registrar, before the 1st of July in the year in which he wishes to be examined for the Degree, a notice in the subjoined form, or as near thereto as circumstances will permit :—

I, \_\_\_\_\_ a Bachelor of Surgery of the University of Adelaide, having been admitted to that Degree on the \_\_\_\_\_ day of \_\_\_\_\_, in the year \_\_\_\_\_, intend to become a Candidate for the Degree of Master of Surgery.

I desire to present myself for Examination in the third term of the current academic year in the following group of subjects :—

I submit herewith a Thesis on.....  
*(If a thesis be presented)*

And I forward the prescribed fee of £15 15s.

DATED the                    day                    , 1

Signature of Candidate .....

Postal Address.....

To the Registrar,

University of Adelaide.

*Allowed 12th December, 1907.*

#### SCHEDULE UNDER REGULATION VII (b).

Circumstances under which the period of three years may be shortened:—

1. If the candidate has passed the M.B. and B.S. final examinations in the first class, or
2. If the candidate has held residential or visiting office whether honorary or paid, in any public hospital or institution approved by the Faculty of Medicine and the Council, or
3. If the candidate has been assisting in the teaching of the University, or
4. If the candidate is a Fellow of the Royal College of Surgeons, England.

The Faculty shall recommend to the Council the extent of the exemption in each individual case.

## OF THE DEGREE OF BACHELOR OF MUSIC.

## REGULATIONS.

I. Students who have passed the Senior Public Examination in Theory of Music or who satisfy the Professor and Lecturers of the School of Music that they have sufficient knowledge to enable them to enter upon the First Year's Course, may be enrolled as Matriculated Students in Music; but all Students in Music, before they can take the Degree of Bachelor of Music, must either

(a) have passed the Senior Public Examination, or

(b) have passed in the following subjects of the Senior

Public Examination :—

1. English Literature

2. History

3. One language other than English

4. One other subject not being a language

or (c) produce evidence of having passed such Examinations in this or any other University as may in the opinion of the Council be equivalent.

\*II. To obtain the Degree of Bachelor of Music each candidate must complete three academical years of study and pass the Examination proper to each year; and must also (a) compose an Exercise to be approved by the Examiners, or (b) satisfy them of his ability as an executant as provided by Regulation IX.

III. To complete an academical year of study a Candidate must attend the courses of Lectures delivered on each of the subjects specified for the Examination in that year, but the separate courses of Lectures need not all be attended in one and the same year, nor need the Examination be passed in the same academical year in which the Lectures have been attended.

IV. No Student shall in any term be credited with attendance at the University Lectures and the completion of any academic term of study in any subject, unless he shall have attended during that term three-fourths of the Lectures given in that subject, except in case of illness or other sufficient cause to be allowed by the Council.

\* Allowed 19th January, 1910.

- V. At the first examination for the Degree of Bachelor of Music every Candidate shall be required to satisfy the Examiners in each of the following subjects :—  
*Acoustics and Musical Theory.* (150)  
*Ear Tests.*  
*Harmony and Counterpoint.* (151 and 152)  
*History of Music.* (153)  
*Pianoforte Playing* (154) *or Organ Playing.* (155)
- \*VI. At the Second Examination for the Degree of Bachelor of Music every candidate shall be required to satisfy the Examiners in each of the following subjects :—  
*Harmony and Counterpoint.*  
*Double Counterpoint, Canon, and Fugue.*  
*History and Literature of Music.*  
*Form and Analysis,* and  
*One of the following practical subjects :—*  
 (a) *Singing,*  
 (b) *Pianoforte,*  
 (c) *Organ,*  
 (d) *Violin,*  
 (e) *Violoncello.*  
 (f) Or any other instrument approved by the Faculty.
- VII. At the Third Examination for the Degree of Bachelor of Music every Candidate shall be required to satisfy the Examiners in each of the following subjects :—  
*Harmony and Counterpoint.* (165)  
*Double Counterpoint, Canon and Fugue.* (166)  
*Form and Instrumentation.* (167)  
*History and Literature of Music.* (168)
- VIII. The Examinations in all the above subjects will be conducted partly by printed questions and partly *vis à voce.*
- †IX. After passing the Third Examination, and before receiving his degree, each candidate must satisfy the Examiner or Examiners as to his qualifications either as (1) Composer, or (2) Executant.

If he elect to present himself as Composer he must submit a musical exercise composed by himself for the occasion of

\* Allowed 23rd November, 1911.

† Allowed 12th December, 1907.

such length as to occupy not less than twenty minutes in performance, and fulfilling the following conditions :—

- (a.) It must be a Vocal Composition to any words the writer may select.
- (b.) It must contain real five-part vocal Counterpoint, with specimens of imitation Canon and Fugue.
- (c.) It must have accompaniments for a quintet String band, with or without an Organ part.

The Candidate will be required to make a written declaration that the Exercise is entirely his own unaided composition. Such Exercise must reach the Registrar before the 30th of September in the year in which the candidate proposes to take his degree. No Exercise which has been rejected shall be used either in whole or part for the Exercise on any subsequent occasion, except by special consent of the Examiners in Music. After the Exercise has been approved by the Examiners the candidate must deposit either the original or a fair and complete copy of such Exercise in the University Library.

If he elect to present himself as Executant, he must do so in one of the following subjects :—

- (a) *Pianoforte.*
- (b) *Organ.*
- (c) *Violin.*
- (d) *Playing on any other instrument approved by the Faculty of Music.*
- (e) *Singing.*

Each candidate who so presents himself will be required

- (a.) To show a special skill in the execution and interpretation of solo and ensemble works in different styles, and also to show an intimate knowledge of classical and standard musical literature, in connection with his special subject, extending over a wide scope.
- (b.) To satisfy the Examiner or Examiners in Sight Reading.

\*X. Schedules defining, as far as may be necessary, the scope of the Examinations in the above-mentioned subjects shall be drawn up by the Faculty of Music, subject to the approval of the Council, and shall be published not later than the month of January in each year.

- XI. The names of the successful Candidates at each Examination shall be arranged in three classes in alphabetical order in each.
- XII. Any student who, by reason of illness or other sufficient cause allowed by the Council, has been prevented from attending the whole or part of any Ordinary Examination may apply to the Council for permission to present himself at a Supplementary Examination in the following March.
- XIII. Any student who has presented himself at an Ordinary Examination, but has failed to pass, may, if recommended by the Board of Examiners, apply to the Council for permission to present himself for re-examination at the Supplementary Examination. Such recommendation shall be made by the Board of Examiners when settling the results of the Ordinary Examinations.
- \*XIIIA. The student shall not be required to be re-examined at any Supplementary Examination in any subject in which he has passed at the Ordinary Examination in the previous year, and on passing the Supplementary Examination in the subjects in which he has failed to present himself or to pass at the Ordinary Examination, he shall be deemed to have completed an academic year of his course, but no classification will be allowed.
- †XIV. The following fees shall be payable in advance :—
- |                                    |               |
|------------------------------------|---------------|
| Lecture fees. For each Term        | ... .. £3 3 0 |
| Examination fees—                  |               |
| For each Ordinary examination      | ... .. 3 3 0  |
| For each Supplementary examination | ... .. 1 11 6 |
- Students exempted from attendance at any lectures shall pay, in addition to the Ordinary examination fee, half the lecture fees during such period of exemption.
- |   |               |
|---|---------------|
| Fee payable by each student to accompany his Exercise under Section IX. | ... .. £5 5 0 |
| Fee for Executant's Examination under Section IX.                       | 5 5 0         |
| Fee on taking the Degree of Bachelor of Music                           | .. 3 3 0      |
- XV. Candidates who have passed in the Advanced Course of Public Examinations in Music (now abolished) shall, upon attending the lectures and passing examinations in the History of Music

\* Allowed 21st December, 1905.

† Allowed 12th December 1907.

and Acoustics, be credited with having completed the First year of the course for the Degree. Such candidates shall pay one fee of £3 3s. for the lectures and examination in those two subjects.

XVI. Candidates who have passed in Pianoforte or Organ playing in the examination for the Diploma of Associate in Music, or the Senior Public Examination in Practice of Music, shall be exempted from further examination in those subjects for the First year of the course for the Degree.

XVII. Candidates who have passed in any one of the following practical subjects in the examination for the Diploma of Associate in Music, the Advanced Course (now abolished), or the Senior Public Examination in Practice of Music, shall be exempted from further examination in such subject for the Second year of the course for the Degree :—

- (a) Singing
- (b) Pianoforte
- (c) Organ
- (d) Violin
- (e) Violoncello

*Allowed 3rd December, 1902.*

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## OF THE DEGREE OF DOCTOR OF MUSIC.

## REGULATIONS.

- I. A Bachelor of Music may proceed to the Degree of Doctor of Music by complying with the following Regulations, but shall not be admitted to the Degree until the expiration of the third academic year from his admission as a Bachelor of Music.
- II. Every candidate shall send to the Registrar of the University, on or before the 2nd of April, an exercise composed for the occasion. The exercise must be legibly written (and the pages numbered), and must be accompanied by a written declaration, signed by the candidate, that the work is his own unaided composition, and must comply with the following conditions :—
- (a.) It must be a composition for solo-voices and chorus, and may be on either a sacred or secular subject.
  - (b.) It must have an accompaniment for full Orchestra, and must occupy about forty minutes in performance.
  - (c.) It must have an instrumental Overture, or Interlude, in the form of the first movement of a Symphony or Sonata.
  - (d.) It must contain some specimens of Canon and Fugue, and also one or more movements written in real eight-part harmony.
- III. After the exercise has been approved by the Examiners and before taking his Degree the candidate shall deposit a complete copy of the exercise in the University Library.
- IV. Candidates whose exercises have been approved shall be required to pass a Final Examination in :—
1. Harmony, up to eight parts.
  2. Counterpoint, up to eight parts.
  3. { Double Counterpoint, } up to five parts.  
    { Canon, and Fugue, }
  4. Instrumentation.
  5. History of Music.
  6. Musical Analysis.

V. The above examination shall be held, when required, in the month of August.

VI. The names of the successful candidates at each examination shall be arranged in alphabetical order.

VII. The following Fees shall be payable in advance:—

On presenting the Exercise ... ..	£6 6 0
“ attending the Final Examination ...	£5 5 0
“ taking the Degree of Doctor of Music ...	£10 10 0

*Allowed 12th December, 1907.*

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## OF THE DIPLOMA IN EDUCATION.

## REGULATIONS.

- I. To obtain the Diploma in Education every candidate
  - (1). Shall be a graduate of the University in Arts or Science.
  - (2). Shall have attended lectures regularly and passed the examinations in English Language and Literature, Psychology and the Principles and History of Education as prescribed for the Ordinary Degree of Bachelor of Arts.
  - (3). Shall take a course of professional study in the principles and practice of Education as prescribed by the Council.
  - (4). Shall produce evidence to the satisfaction of the Council of having obtained adequate practical experience in teaching and school management in schools approved by the Council.
- II. Candidates may be excused from attendance at lectures or practical work, but only on special grounds to be allowed by the Council.
- III. Candidates who desire that the examinations they have passed elsewhere, and the practical work they have done, should be counted *pro tanto* for the Diploma in Education, may on application to the Council be granted such exemption from the requirements of these Regulations as the Council shall determine.
- IV. Schedules defining the approved courses of professional work in accordance with Regulation I., clause (3), and the approved Schools in accordance with Regulation I., clause (4), shall be drawn up from time to time by the Faculty of Arts, subject to the approval of the Council.
- V. The undermentioned fees shall be payable in advance :

For examinations—

Principles of Secondary Education ...	£1	1s.
Thesis ... ..	£1	1s.
Hygiene ... ..	£1	1s.
For inspection of Practical Teaching	£2	2s.
For the Diploma ... ..	£1	1s.

**NOTE.—Holders of the Diploma in Education may use the letters  
Diplom. Educ.**

*Allowed December 7, 1911.*

SYLLABUS FOR 1912.

No course of lectures is provided at present, but an examination will be held annually in the Principles of Secondary Education and in Hygiene. The examinations need not be taken in the same year, but candidates will not be admitted to the examination in Secondary Education unless in a previous year they have passed the examination in Education as prescribed for the ordinary B.A. Degree.

**A. PRINCIPLES OF SECONDARY EDUCATION.**

- Two papers will be set, (1) One on the function of the secondary school in a national system of education; organization and management of secondary schools (arrangement of classes distribution of staff, curriculum, programmes, timetables, etc.); and the chief physical and mental characteristics of adolescents.

(NOTE.—Candidates will be expected to show a general knowledge of the historical development of these problems, and of the manner in which they are being dealt with in practice at the present day).

(2) A second on the chief principles of method in teaching the following subjects in the primary or preparatory school: English language, arithmetic, history, and geography.

Text-books:—

- Welton: Principles and Methods of Teaching (Univ. Tutorial Press).  
 Norwood & Hope: Higher Education of Boys in England.  
 Burnstall: English High Schools for Girls.

Recommended for further reading—

- Adamson: Practice of Instruction (National Society's Depository, London).  
 Special Reports of Board of Education (London).

- A topic for a thesis on the methods of teaching it must be selected from one of the following divisions in which the candidate has adequate knowledge: English and history, classics, modern languages, science and geography, mathematics. The subject to be dealt with, the literature to be studied, and the probable length of the thesis must be intimated to the Council and approved at least six months before the work is presented, which may be at any time while the University is in session. The candidate may afterwards be examined on the literature of the subject of his thesis.

**B. HYGIENE.**

Personal and school hygiene.

Text-book:—

- Porter: School Hygiene and Laws of Health (Longmans, Green & Co., 3/6).

**C. PRACTICAL TEACHING.**

Candidates are required to spend not less than eighty hours in teaching in a secondary school, under such supervision and inspection as the Council may require. Candidates must present a diary of the work done and detailed notes on at least twenty lessons. They may be required to give additional lessons before an examiner appointed by the Council.

SYLLABUS OF SUBJECTS FOR DEGREES AND DIPLOMA  
COURSES FOR 1912.

*Students are expected to procure the latest edition of all text-books prescribed.*

NOTICE.

Applications for exemption from attendance at a course of Lecture or Practical Work, during any session or term, must be made within a fortnight after the commencement of the session or term.

GREEK AND LATIN.

1. Greek. B.A. and M.A. Ordinary Degrees.

The course of lectures is begun every year, and is completed in two years. It is divided into two parts, with an examination at the end of the first and the second year. Fee for the course, £4 4s., or 14s. per term.

Subjects of examination in 1912 :

First year :

- (a) Translation from English into Greek.
- (b) Translation from Greek into English.
- (c) Books specially set for 1912:  
Euripides, *Alcestis* (Hadley, Pitt Press).  
Thucydides, *Book IV*. (Graves, Macmillan).
- (d) Questions on Grammar and the subject matter of the books set, with special reference to the lectures given.

Second year :

Same as First year, but in place of (a) are substituted :  
Homer, *Odyssey*, XXI, XXII, XXIII (W. W. Merry).  
*Greek Antiquities*, Prof. Maisch (Temple Primers, Dent). Omit pp. 1-30 and 131 to end.  
*Greek Literature*, Prof. Jebb (Literature Primers, Macmillan).

2. Latin. B.A. and M.A. Ordinary Degrees.

The course of lectures is begun every year, and is completed in two years. It is divided into two parts, with an examination at the end of the first and second year. Fee for the course, £4 4s., or 14s. per term.

## Subjects of examination in 1912 :

## First year :

- (a) Translation from English into Latin.
- (b) Translation from Latin into English.
- (c) Books specially set for 1912 :  
Vergil, *Aeneid VI.* (Sidgwick, Pitt Press).  
Cicero, *Ad Atticum, Book I.* (A. Pretor).
- (d) Questions on Grammar and the subject matter of the books set, with special reference to the lectures given.

## Second Year :

Same as First year, but in place of (a) are substituted :

- Juvenal, *Satires 1, 3, 4, 5, 7, 8, 10* (Duff).
- Roman Antiquities*, Prof. Wilkins (History Primers, Macmillan).
- Roman Literature*, Prof. Wilkins (Literature Primers, Macmillan).

**3. Greek and Latin. B.A. Honours Degree.**

*The course extends over three years. Candidates are strongly recommended to start Honours Lectures in Composition and Books at the very commencement of their course. As far as possible all the Honours Books will be dealt with in a three years cycle, and Candidates are advised to read by themselves other works of the authors mentioned in the list below.*

The examination will comprise :

- (a) Translation into Greek prose and verse.\*
- (b) Translation into Latin prose and verse.\*
- (c) Translation from Greek into English.
- (d) Translation from Latin into English.
- (e) Questions on Grammar, and the Elements of Comparative Philology as applied to the Greek and Latin languages.
- (f) Questions on Greek and Roman History, and on the subject matter of such Greek and Latin books as may be specially chosen.
- (g) Books specially chosen for 1912 and 1913 :  
*The Iliad, Books I. and XVIII.*  
*The Odyssey, Books XXI., XXII., XXIII.*  
Aeschylus, *Prometheus Bound.*  
Pindar, *Pythian Odes.*  
Sophocles, *Oedipus the King.*  
Aristophanes, *The Frogs.*  
Herodotus, *Book I.*  
Thucydides, *Books VI. and VIII.*  
Plato, *Phaedo* ; *Proem to the Republic* (T. G. Tucker).  
Demosthenes, *Select Private Orations* (Paley and Sandys), *Vol. I., Nos. 34, 35, 39, 56.*  
Plautus, *Rudens.*  
Lucretius, *Book V.*  
Vergil, *Aeneid, Books I. and VI.*  
Horace, *Carmina, Book III.; Epistles, Book I.*  
Juvenal, *The Satires in J. D. Duff's edition* (Omit No. VI.).  
Cicero, *Letters to Atticus, Book I.; Tusculan Disputations, Book I.; The Second Philippic.*  
Livy, *Books I. and XXI.*  
Tacitus, *Annals, Book I.*

\* Translation into verse is optional.

**4. Greek and Latin. M.A. Honours Degree.**

The Examination will be in the following subjects :

- (a). Translation into English from Greek and Latin writers.
- (b). Grammar, textual Criticism, and Comparative Philology as applied to the Greek and Latin Languages. *An Introduction to Comparative Philology* by J. M. Edmonds (Camb. Univ. Press, 1906) is recommended. Candidates are advised to read *An Introduction to the Natural History of Language*, by T. G. Tucker (Blackie and Son).
- (c). An Essay. The subject must be approved by the Professor of Classics.

Students who propose to read Classics with a view to entering for the M.A. Examination are advised to take the earliest opportunity of consulting the Professor of Classics about their course of reading.

**MODERN LANGUAGES.****8. English Language and Literature. B.A. and M.A. Ordinary Degrees.**

The course of lectures is given annually, and is completed in one year. It comprises the history of the language, the history of the literature, and study of prescribed books. Fee for the course £4 4s., or £1 8s. per term.

Subjects of examination in 1912:

The professor's lectures and the following books :

## I.

History of the English Language. Special book : Lounsbury, T. R. *History of the English language.*

## II.

History of English Literature. Spenser to Tennyson, with special reference to Hales's *Longer English poems.*

## III.

Poetry. Special books :

1. Chaucer, G. *Prologue*, ed. by R. Morris ; new ed. by W. W. Skeat. (Clarendon Press.)
2. Shakespeare, W. (a) *The Merchant of Venice* ; ed. by A. W. Verity. (Cambridge University Press.)  
(b) *Hamlet* ; ed. by E. K. Chambers. (Warwick Shakespeare.)  
(c) *Antony and Cleopatra* ; ed. by K. Deighton. (Macmillan & Co.)
3. Browning, R. *Selections.* (Smith & Elder.)

## IV.

Prose. Special book :

*Bacon's Essays*; ed. by A. S. Gaye, M.A. (Clarendon Press).

The John Howard Clark Prize is awarded on the results of the Examinations in English Language and Literature. For the Scholarship see Statutes.

### 9. French. B.A. and M.A. Ordinary Degrees.

No course of lectures is provided at present, but two annual examinations are held, of which the first must be passed a year at least before the candidate sits for the other.

Subjects of examination in 1912 :

First year :

- (a) Translation from English into French.
- (b) Translation from French into English.
- (c) Cours de grammaire Historique de la Langue française.  
(*Arsène Darmesteter. Part IV. Syntaxe.*) (Delagrave).  
*L. Sudre.*
- (d) Books specially set :  
Voltaire, *Mérope*.  
Emile de Bonnechose, *Bertrand du Guesclin* (Pitt Series).  
Lamartine, *Deux héroïnes de la Révolution* (Clarendon Press, Oxford).  
G. Sand, *La Petite Fadette*.

Second Year :

- (a) Translation from English into French.
- (b) Translation from French into English.
- (c) E. Faguet, *Dix-septième Siècle—Études Littéraires* (Hachette)  
Spencer, *Primer of French Verse*.  
Cours de Grammaire Historique. Darmesteter-Léopold Sudre.  
Part III, to page 123. *Formation des Mots et Vie des Mots.* (Delagrave.)
- (d) Books specially set :  
Corneille, *Horace*.  
J. J. Rousseau, *Extraits* (Hachette). *Confessions, I.—IV. Réveries du promeneur solitaire*.  
Bazin, *La Terre qui meurt*.  
La Rochefoucauld, *Maximes*.

[Candidates of the Second Year are required to answer in French all questions except the translations from French into English.]

### 10. German. B.A. and M.A. Ordinary Degrees.

No course of lectures is provided at present, but two annual examinations are held, of which the first must be passed a year at least before the candidate sits for the other.

Subjects of examination in 1912 :

First year :

- (a) Translation from English into German.
- (b) Translation from German into English.
- (c) History of German Language.

Behaghel, *A Short Historical Grammar of the German Language* (Macmillan, 3s. 6d.)

(d) Books specially set :

Schiller, *Maria Stuart*, ed. by Breul (Pitt Pr. ser, 3s. 6d.).

Göthe, *Road to Italy*, ed. by Allpress (Blackie's Little German Classics, ).

Riehl, *Kulturgeschichtliche Novellen*, ed. by Wolstenholme (Pitt Pr. ser., 3s.).

Second year :

(a) Translation from English into German.

(b) Translation from German into English.

(c) History of German Literature.

Calvin Thomas. *German Literature* (Wm. Heinemann).

A more detailed knowledge of the period of Göthe and Schiller will be expected. Students should consult Scherer's *History of German Literature*.

(d) Books specially set :

Göthe, *Egmont*, ed. by Hatfield (Heath, 2s. 6d.).

Gutzkow, *Zopf und Schwert*, ed. by Wolstenholme (Pitt. Pr. ser. 3s. 6d.).

Schiller, *Ueber naive und sentimentalische Dichtung*, ed. Egger and Rieger (Wien, Karl Graeser).

[Candidates for the Second Year are required to answer in German all questions except the translations from German into English.]

## HISTORY.

### 12. History of the United Kingdom. B.A. and M.A. Ordinary Degrees.

The course of lectures is given in two out of every three years, and is completed in one year. It will be given in 1913. Fee for the course, £4 4s., or £1 8s. per term.

Subjects of examination in 1912 :

The professor's lectures and the following books :—

Low, Sidney. *The Governance of England*.

Gardiner, S. R. *The Puritan Revolution (Epochs of Modern History)*.

Woodward, W. H. *A short history of the expansion of the British Empire* (in part).

It is assumed that students have some knowledge of the outlines of English history as set down in J. R. Green's *Short History of the English people*, or S. R. Gardiner's *Student's History of England*.

### 13. Modern European History 918—1273. B.A. and M.A. Ordinary Degrees.

The course of lectures is given every third year, and is completed in one year. It will be given next in 1912. Fee for the course, £4 4s., or £1 8s. per term.

Subjects of examination :

The professor's lectures and the following books :

- Bryce, J. *The Holy Roman Empire*. 1904 edition.  
 Joinville, Sire de. *Saint Louis, king of France*.  
*The Legend of St. Francis by the three Companions*; tr. by E. G. Salter.  
*The Little Flowers of St. Francis*; tr. by T. W. Arnold.  
*Francis of Assisi, saint. Mirror of perfection*; written by Brother Leo of Assisi; ed. by P. Sabatier; tr. by S. Evans. (Nutt.)  
 Archer, T. A., and Kingsford, C. L. *The Crusades* (Unwin).

### History for B.A. Honours and M.A. Honours Degrees.

In addition to the requirements of Regulation IV., candidates must select one of the four following Divisions (a) or (b) or (c) or (d) :

#### 14. (a) The Puritan Revolution, 1642-1660.

##### 1. GENERAL.

- Gardiner, S. R. *History of England, 1603-1642*.  
*History of the great civil war, 1642-1649*.  
*History of the commonwealth and protectorate*.

##### 2. ORIGINAL.

- Gardiner, S. R. *Constitutional documents of the Puritan revolution*.

#### 15. (b) Early English Constitutional History.

##### 1. GENERAL.

- Stubbs, W., *Constitutional history of England in its origin and development*, vol. 1-2.  
 Maitland, F. W. *Domesday book and beyond*.  
 Pollock, Sir F., and Maitland, F. W. *History of English law*.  
 2nd ed.

##### 2. ORIGINAL.

- Stubbs, W. *Select charters and other illustrations of English constitutional history*.

#### 16. (c) The first three Crusades.

##### 1. GENERAL.

- Sybel, H. von. *History and Literature of the Crusades*; tr. and ed. by Lady Duff Gordon.

##### 2. ORIGINAL.

- Gesta Francorum*.  
*Raymond de Agiles*.  
*Fulcher de Chartres*.  
*Odo de Deuil*  
*William of Tyre. Books XVI., XVIII., ch. 1-8*.  
*Bohéd-ed-din*.

These Chronicles are to be found in the University Library under title of "*Receuil des historiens des Croisades, etc.*"

#### 17. (d) Colonial History.

(1.) There will be an examination in a specified portion of Colonial History. The books prescribed for 1912 are :—

- Egerton, H. E., *A Short History of British Colonial Policy.*  
 Lucas, C. P., *Historical Geography of the British Colonies, Vol. VI., Australasia.*  
 Henderson, G. C., *Sir George Grey. Pioneer of Empire in Southern Lands.*

(2) Students must also present a thesis in a period of South Australian History which must be of such a nature as to constitute a piece of original research. The thesis prescribed in accordance with the conditions of the Tinline Scholarship may also be presented for the degree. The documents and papers to be studied and consulted include :—

- (a) Despatches and Enclosures.
- (b) Commissions of Inquiry.
- (c) Scientific and general reports.
- (d) Contemporary publications in pamphlet and book form.
- (e) Gazettes and Calendars.
- (f) Newspapers.

Arrangements have been made with the authorities of the Adelaide Public Library and the South Australian Branch of the Royal Geographical Society for giving students engaged in this work access to the original material in the Public Library and the York Gate Collection.

## ECONOMICS.

### 20. Economics. B.A. and M.A. Ordinary Degrees.

The course of study is in two parts, each occupying a year. The lectures are given once a week, and in the evening. Students must begin with the lectures in Part I., and pass in it before taking Part II.; but if they have failed to pass in Part I. they may be permitted, by consent of the professor, to proceed to Part II. Both parts must be passed before the subject counts towards a degree.

The course of lectures in Part II. will be given in 1912. It will deal with Economic Policy, Public Finance, and Economic History.

Fee for the course £4 4s. or 14s. per term.

Text-books in Part I. :

- Sykes, *Banking and Currency.*  
 Marshall, *Economics of Industry.*  
 Hobson, *Evolution of Modern Capitalism.*

For private study :

- Nicholson, *Principles of Political Economy, Vols. I. and II.*  
 Gilman, *Methods of Industrial Peace.*

Text-books in Part II. :

- Plehn, *Public Finance.*  
 Sydney Buxton, *The Arguments on either side of the Fiscal Question.*  
 Day, *History of Commerce.*  
*Official Year Book of the Commonwealth.*

For private study :

- Nicholson, *Principles of Political Economy, Vol. III.*  
 Fuchs, *The Trade Policy of Great Britain.*

## MENTAL AND MORAL SCIENCE.

Courses of lectures on Psychology, Logic, and Philosophy will be given every year, and on Ethics every second year. Each of these courses is completed in one year.

### 21. Psychology. B.A. and M.A. Ordinary Degrees.

The course of lectures is given every year, and is completed in one year. Fee for the course £2 2s., or 14s. per term.

Subjects of examination:

The professor's lectures, with the following text-books:

Mitchell, *Structure and Growth of the Mind*.

Huxley, *Elementary Physiology* (new edition), chaps. 8-11.

For private study:

Stout, *Manual of Psychology*.

McDougall, *Physiological Psychology*.

### 22. Logic. B.A. and M.A. Ordinary Degrees.

The course of lectures is given every year, and is completed in one year. Fee for the course £2 2s., or 14s. per term.

Subjects of examination:

The professor's lectures, with

Creighton, *An Introductory Logic*.

For private study:

Bosanquet, *Essentials of Logic*.

*The Roby Fletcher Prize is awarded on the results of the examinations in Psychology and Logic.*

### 23. Ethics. B.A. and M.A. Ordinary Degrees.

The course of lectures is given every second year, and is completed in one year. It will be given in 1912. Fee for the course £2 2s., or 14s. per term.

Subjects of examination:

The professor's lectures, with the following text-books:

Dewey and Tufts, *Ethics*.

Sidgwick, *History of Ethics*.

### 24. Philosophy. B.A. and M.A. Ordinary Degrees.

The course of lectures is given every year, and is completed in one year. Fee for the course £2 2s., or 14s. per term.

Subjects of examination:

The professor's lectures, with the following text-books:

Schwegler, *History of Philosophy*.

Ward, *Naturalism and Agnosticism*.

### 25. Philosophy. B.A. Honours and M.A. Honours Degrees.

Candidates for these degrees in Philosophy should intimate their intention to the Professor as early in their course as possible. In 1912 lectures will be given on Greek Philosophy, on Modern Philosophy from Kant, and on Psychology and Ethics. The examination for the B.A. degree will include Psychology, Logic, and Ethics, as well as Philosophy; and students will be expected to read prescribed texts in Philosophy and to add James, *Principles of Psychology*, 2 vols. (Macmillan) 25/, and Green, *Prolegomena to Ethics*, to the books prescribed for the Ordinary degree.

## EDUCATION.

### 26. Education. B.A. and M.A. Ordinary Degree.

The course of lectures is given every year, and is completed in one year. Fee for the course, £2 2s., or 14s. per term.

Subjects of examination :

The lectures on the History and the Theory of Education.

In the History, students are recommended to read Quick, *Educational Reformers*; and a general knowledge of the principal educational writings from Plato to Froebel will be expected.

In the Theory of Education they are recommended to read Herbart, *Science of Education*; Adams, *Herbartian Psychology*; Findlay, *Principles of Class Teaching*.

## MATHEMATICS.

### 30. First Year's Course in Pure Mathematics.

A course of lectures is given annually.

Fee for the course, £3 3s. including fee for examination.

Subjects of examination :

- (a). Geometry of the straight line and circle: the Theory of Proportion and of Similar Rectilinear Figures: Elementary Solid Geometry.
- (b). The Elements of Algebra as far as the Binomial Theorem.
- (c). The Elements of Trigonometry as far as the Solution of Triangles.

Text-books recommended :

Hall & Stevens, *A School Geometry*, Parts I. to VI.

Hall & Knight, *Elementary Algebra*, the new edition or the old edition together with supplementary pamphlet on Graphical Algebra.

Loney, *Plane Trigonometry*, Part I.

Students will also require a copy of Chambers' *Mathematical Tables*.

### 31. Second Year's Course in Pure Mathematics.

A course of lectures is given annually.

Fee for the course, £3 3s. including fee for examination.

Subjects of examination :

Algebra, Trigonometry, the most elementary portions of Analytical Geometry of Two Dimensions, and of the Infinitesimal Calculus.

Students should provide themselves with the following :

Hall & Knight, *Higher Algebra*.

Loney, *Plane Trigonometry*, Part II.

C. N. Schmall, *A First Course of Analytical Geometry*.

W. Cain, *A Brief Course in the Calculus*.

### 32. Third Year's Course in Pure Mathematics.

A course of lectures is given annually.

Fee for the course. £5 5s. including the fee for examination.

Subjects of examination :

Analytical Geometry of Two Dimensions, Infinitesimal Calculus, and Elementary Differential Equations.

Text-books recommended :

Smith, *Conic Sections*.

Edwards, *Differential Calculus*.

Williamson, *Integral Calculus*.

Murray, *Differential Equations*.

### 33. Applied Mathematics.

A course of lectures is begun and completed each year. Before commencing his course, students should have attended at least the course No. 30, in Pure Mathematics.

Subjects of examination :

Statics, Dynamics, and Hydrostatics, treated with the aid of the elements of Analytical Geometry, and of the Infinitesimal Calculus.

Students should provide themselves with the following :

Loney, *Dynamics*.

Greaves, *Statics*.

Besant, *Hydrostatics*.

### 34. Mathematics for the Honours Degree of B.A. and the Honours Degree of B.Sc.

Candidates for the Honours Degree in Mathematics must pass in subjects 30, 31, 32, and 33.

In addition a special course of lectures is given annually, the fee for which is £10 10s.

Subjects for the final examination :

Analytical Geometry, Infinitesimal Calculus, Analytical Statics, Dynamics of a Particle, Hydrodynamics, Elementary Rigid Dynamics.

Text-books recommended :

C. Smith, *Solid Geometry*.

D. A. Murray, *Introductory Course in Differential Equations*.

E. J. Routh, *Analytical Statics*, Vol. 1.

E. J. Routh, *Dynamics of a Particle*.

E. J. Routh, *Elementary Rigid Dynamics*.

G. M. Minchin, *Hydrostatics and Elementary Hydrokinetics*.

### 35. Mathematics for the M.A. Degree in Honours

Candidates may present themselves for examination either in Pure Mathematics or in Applied Mathematics, but will in either case be expected to show a competent knowledge of the following preliminary portions of Mathematics, that is to say, of

Algebra the simpler properties of Equations and Determinants.

Plane Trigonometry.

Elementary Analytical Geometry of Two and Three Dimensions.

The Elements of the Differential and Integral Calculus, with their simpler applications to Geometry.

The solution of such ordinary Differential Equations as occur in Dynamics.

The Statics of Solids and Fluids.

The Kinetics of a particle.

Candidates who present themselves in Pure Mathematics will further be examined in

The Theory of Equations, the higher parts of Analytical Geometry of Two and Three Dimensions, and of the Infinitesimal Calculus.

Candidates who present themselves in Applied Mathematics will be examined in

The Dynamics of Rigid Bodies and of Material Systems in general.

Hydrodynamics.

The Theories of Sound and Light.

Theory of Attractions.

### 36. Applied Mechanics.

A course of lectures is given annually. Students will assist at practical demonstrations on the testing of materials in the Engineering Laboratory. At the end of the year students will be expected to submit for examination an original design, together with all necessary computations of some approved structure, such as a roof truss or bridge girder.

Fee for the Course, £4 4s., or £1 8s. per term.

Subjects of examination :

The strength of materials and their behaviour under stress.

The properties of Australian timbers for engineering purposes.

The testing of materials.

Strength and stiffness of beams. Bending moment and shearing force diagrams. Moments of resistance. Distribution of shearing stresses. Deflection of beams. Beams with fixed ends. Continuous beams. Beams of reinforced concrete. Strength of hooks.

Riveted joints.

The strength of struts and columns. Forms of built-up columns, with calculation and design.

The design of plate girders.

Calculations regarding the stresses on framed structures, as iron roofs and bridges. The application of graphic statics to such cases. Examples of design.

The strength of cylinders and pipes against internal and external pressure.

The torsion of shafts. Combined twisting and bending. Helical springs.

The stability of structures under the action of wind, earth, or water pressure. Dams and retaining walls. Strength and stability of masonry arches.

Text-book :

Goodman, *Mechanics Applied to Engineering*.

**36a. Spherical Trigonometry and Astronomy.**

No course of lectures is at present provided, but an annual examination is held.

Subjects of examination :

Spherical Trigonometry, Astronomy (including the theory and use of the telescope), spectroscope, &c., elementary computations, and general descriptive Astronomy.

Text-books :

McLelland & Preston, *Spherical Trigonometry*, Vol. I.

Godfray, *Treatise on Astronomy*.

F. R. Moulton, *Introduction to Astronomy*.

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**PHYSICS.**
**37. First Year's Course in Physics.**

A course of lectures is given annually.

Subjects of examination :

The professor's lectures, of which printed outlines are obtainable at a cost of five shillings for the year's course of lectures ; and the following text-book :

Gregory and Hadley, *A Class-book of Physics*.

**38. Second Year's Course in Physics.**

A course of lectures is given annually.

Subjects of examination :

The professor's lectures and the following text-books :

Watson, *A Text Book of Physics*.

Glazebrook and Shaw, *Practical Physics*.

**39. Third Year's Course in Physics for the B.Sc. Degree.**

A course of lectures is given annually. Before taking this course students must have attended lectures and passed the examination of the second year's course in Pure Mathematics.

Subjects of examination :

The professor's lectures and the following text-books :

Watson, *A Text-book of Physics*.

Watson, *A Text-book of Practical Physics*.

**40. Third Year's Course in Physics for the Diploma in Applied Science.**

Subjects of examination :

Those portions of the third year's course of lectures for the B.Sc. Degree, and of Watson's *Text-book of Physics*, which deal with Heat, Electricity, and Magnetism.

#### 41. Physics for the Honours Degree of B.Sc.

Candidates for the Honours degree B.Sc. must first attend and pass in all lectures and laboratory work required for the Ordinary degree, including second year's course in Pure Mathematics (31); and in addition must first attend lectures in the third year's course in Mathematics for the B.Sc. degree (32).

They shall then give their full attendance for an entire academic year to a special course of lectures and laboratory work, and to the study of the hereunder prescribed text-books.

The fee for this special course of lectures and laboratory work is £18 18s.

Text-books recommended for the course in Honours Physics :

Poynting and Thomson, *Properties of Matter*.

Barton, *A Text-book of Sound*.

Poynting and Thomson, *Heat*.

Wood, *Physical Optics*.

Gray, *Absolute Measurements in Electricity and Magnetism*.

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### CHEMISTRY.

#### 45. Compulsory Chemistry B.Sc. Course, Inorganic Chemistry M.B., and B.A., and M.A. Course, and Chemistry I. Course for Diploma in Applied Science.

A. LECTURES. This Course is given annually and is completed in one year.

Subjects of examination :

Properties of gases. Thermometry.

Latent heat and production of cold.

Distinction between physical and chemical properties.

Chemical action.

The atomic theory.

Laws of combination. Atomic and molecular weights.

Valency. Periodic law. Law of Dulong and Petit.

Elementary Chemistry of the following substances :

Hydrogen, oxygen, ozone, water.

Hydrogen peroxide. Nitrogen and its oxides.

Nitrous acid. Nitric acid. The atmosphere.

Ammonia and its compounds. Hydroxylamine, hydrazine, hydrazoic acid.

Carbon and its oxides. Carbonic acid and carbonates.

Methane, ethylene, acetylene, and allied hydrocarbons.

Combustion and structure of flame.

Chlorine, bromine, iodine, and their oxides and derived acids.

Fluorine and hydrofluoric acid.

Sulphur, its oxides and derived acids, the thionic acids excepted.

Sulphuretted hydrogen.

Sulphur chlorides. Carbon bisulphide.

Phosphorus, its oxides and derived acids.

Phosphoretted hydrogen. Phosphorus chlorides.

Arsenic and antimony, their oxides, hydrides, chlorides, sulphides, and derived acids.

Silicon and boron and their oxides, hydrides, chlorides, and derived acids.

Helium, argon and other similar gases.

The Elementary Chemistry of the following metals :

Sodium, potassium, lithium.

Copper, silver, gold.

Calcium, strontium, barium, radium.

Magnesium, zinc, cadmium, mercury.

Aluminium.

Tin, lead.

Bismuth.

Chromium, molybdenum.

Manganese, iron, cobalt, nickel, platinum.

An elementary statement of the principal facts and theories of solution and electrolysis. The elements of spectrum analysis.

**B. PRACTICAL CHEMISTRY.** This course is given annually and is completed in one year.

The practical work will consist of the qualitative analysis of simple salts and simple mixtures of salts, excluding phosphates insoluble in water and silicates.

**EXAMINATION.** The examination in compulsory Chemistry includes *both* theoretical and practical chemistry. These cannot be taken separately.

Books recommended :

Introduction to the study of Chemistry, Remsen. Students proceeding to more advanced courses in Inorganic Chemistry should get Newth's Inorganic Chemistry or Introduction to General Inorganic Chemistry by Alexander Smith. Qualitative Chemical Analysis, Inorganic, Chapman Jones.

#### **46. Theoretical Chemistry Part I. B.Sc. Course, Chemistry II. Course for Diploma in Applied Science, and Inorganic and Physical Chemistry for Agricultural Course.**

**LECTURES.** This Course is given annually and is completed in one year.

Fee, £4 4s ; or £1 8s. per term.

A more detailed study of the subjects of Compulsory Chemistry and the Elementary Chemistry of rubidium, cesium, titanium, zirconium, tungsten, molybdenum, vanadium, selenium, tellurium, radium, and the platinum group of metals.

The elementary study of the theory of gases, the atomic theory, and the determination of atomic and molecular weights. Valency. The periodic law. Solutions. Thermo-chemistry. Electrolysis. Mass action. Dissociation. Chemical affinity.

Books recommended :

Inorganic Chemistry, Newth, or Introduction to General Inorganic

Chemistry by Alexander Smith. Systematic Inorganic Chemistry, Caven and Lander. Introduction to Physical Chemistry, Walker.

For consultation, Elements of Physical Chemistry, Jones; Roscoe and Schorlemmer's Chemistry.

#### **47. Theoretical Chemistry Part II. B.Sc. Course.**

This Course is given when required and is completed in one year.

Elementary and Advanced Organic Chemistry, including both the fatty and aromatic compounds.

Fee, £5 5s.; or £1 15s. per term.

Books recommended:

Organic Chemistry, Bernthsen.

Organic Chemistry, Hollenau.

Organic Chemistry, Wade.

For consultation, Roscoe & Schorlemmer's Chemistry.

#### **48. Practical Chemistry Part I. B.Sc. Course, and Practical Chemistry II. Course for Diploma in Applied Science.**

This Course is given annually and is completed in one year.

The qualitative analysis of more complex mixtures, including phosphates, silicates, and cyanides; the qualitative analysis of alloys and substances containing carbon, silicon, selenium, tellurium, vanadium, tungsten, molybdenum, platinum, gold, titanium, and uranium.

The gravimetric estimation of aluminium, iron, calcium, magnesium, and sulphuric acid in pure salts.

Analysis of magnesian limestone.

Complete analysis of crystallized copper sulphate.

The volumetric determination of iron by bichromate solution, the use of iodine and thio-sulphate solutions, and the volumetric estimation of calcium by permanganate solution. Acidimetry. Alkalimetry.

Fee, £6 6s.; or £2 2s. per term.

#### **49. Practical Chemistry Part II. B.Sc. Course.**

This Course is given when required and is completed in one year.

Qualitative and quantitative analysis of both inorganic and organic substances, preparations of pure substances, determinations of melting and boiling points, vapour densities, molecular weights, &c.

Fee, £12 12s.; or £4 4s. per term.

#### **50. Practical Chemistry for Agricultural Course.**

This Course extends over one year. Fee for the course, £18 18s.; per term, £6 6s. The practical work will consist of the qualitative analysis of mixtures containing phosphates and silicates and selected organic substances (the same as those in Syllabus No. 52), and also of acidimetry, alkalimetry, simple gravimetric and volumetric analysis, and the analysis of manures, soils, &c.

## 51. Theoretical Organic Chemistry, M.B., B.A., M.A. Degrees, and Agricultural Course.

This Course is given annually and is completed in the first two terms of the year.

Separation and purification of organic compounds. Methods for determination of carbon, hydrogen and nitrogen. Calculation of formulae from results of analysis. Structural and graphic formulae.

Homologous Series. The methane series and its halogen derivatives. Also the derived alcohols, ethers, aldehydes, acids, acid chlorides, acid anhydrides, ethereal salts, ketones, mercaptans, thioethers, sulphonic acids.

Cyanogen, complex cyanides, hydrocyanic acid, alkyl cyanides, isocyanides, cyanates, isocyanates, thiocyanates, and isothiocyanates Fulminates.

Amines. Nitro and nitroso-compounds, oximes, phosphorus, arsenic and organo-metallic compounds. Glycol and glycerol and their derivatives. Fats. Dibasic and tribasic acids. Hydroxyacids, especially glycollic, lactic, malic, tartaric, and citric acids.

The sugars, starches, cellulose, dextrine, glycogen, mannitol and dulcitol.

The amino-acids and acid amides, especially glycine, leucine, tyrosine, cyanamide, guanidine, creatine, creatinine, sarcosine, urea, ureides, uric acid, purine, xanthine, theobromine, and caffeine.

The bile acids.

The olefine and acetylene series of hydrocarbons, and a few of their principal derivatives. Maleic and fumaric acids.

Elementary study of the polymethylenes.

The aromatic series. Benzene and its homologues. Their halogen substitution products, and structure. Aniline and the toluidines. Diazonium compounds. Nitro-compounds. Picric acid. Phenols. Benzaldehyde. Benzoic acid. Hippuric acid. Salicylic acid. Gallic acid and tannin.

Quinone. Elementary study of terpenes. Camphor. Eucalyptol. Menthol.

Brief study of naphthalene and anthracene.

Pyridine and quinoline.

General properties of the alkaloids.

Thiophene, furfural, pyrrole, indole, skatole.

Stereochemistry of carbon compounds, especially of those containing one or two asymmetric carbon atoms, with brief reference to the sugars.

Elementary study of the proteins, and their hydrolysis and synthesis. Fermentation and enzyme action.

Text-book recommended :

Organic Chemistry : Remsen.

## 52. Practical Organic Chemistry M.B. Course.

This Course is given annually and is completed in one year.

Qualitative analysis of mixtures containing not more than two acids and two bases, and not more than one organic acid and one organic base, the organic substances to be selected from the following list :—

Oxalates, acetates, benzoates, salicylates, succinates, tartrates, urates, meconates, gallates, tannates, cyanides, double cyanides, alcohol, starch, cane-sugar, grape-sugar, urea, morphia, quinine, strychnine,

The quantitative analysis of milk, and the determination of the more important substances in urine.

### 53. Practical Organic Chemistry B.A. Course..

This Course is given annually and is completed in one year.

Same as the qualitative part of Practical Organic Chemistry M.B. Course, but without any quantitative analysis.

### 54. Chemistry, Honours.

Candidates for the Honours Degree in Chemistry are required to show a more detailed knowledge of the subjects than is required for the pass degree, and to pass a more stringent examination. They will be expected to spend all the time not necessarily devoted to lectures to work in the laboratory. They will also be expected to attend such portions of the lectures on Mathematics and Physics as the Professor of Chemistry may deem necessary for the better understanding of Advanced Chemistry.

Students for the Honours Degree in Chemistry pay a fee of £18 18s. a year, or £6 6s. a term.

Text-books.—Those for the Pass degree, and, in addition, others to which reference will be given by the Professor from time to time.

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## GEOLOGY AND MINERALOGY.

### 55. Geology and Mineralogy. Part I., B.Sc. Course; also B.A., M.A., and Courses for Diploma in Applied Science and Agriculture:

Lectures and practical work will extend over three years, and will comprise Physiographical Geology, Elementary Mineralogy (including Crystallography), Petrology, Geology, and Paleontology. It is imperative that Division *A* be taken before the student passes on to the subjects included in Divisions *B* to *F*.

A certain amount of field work will be done during each year. Students must present a thesis on such practical work, and will also be liable to examination in it. The thesis must be handed in with the candidate's notice of entry for examination.

A. PHYSIOGRAPHY. The earth as a planet. The atmosphere and meteoric phenomena. Climates. The hydrosphere. The lithosphere. Evolution of land forms. Processes of waste and reconstruction. Vulcanism and crust movements. Diastrophism. Fossilization. Succession of life on the earth.

About 30 lectures in the above subjects will be delivered, one hour a week during the three terms, as a compulsory science subject, and as part of the Geology and Mineralogy Part I. Course. Fee £1 1s.

## Text Books :—

- Tarr, R. S. *New Physical Geography*.  
 Marr, John E. *Scientific Study of Scenery*.  
 Howchin, W. *Geography of South Australia*.

## For Reference :

- Davis, W. M. *Elementary Physical Geography*, also *Physical Geography*.  
 Geikie, Jas. *Earth Sculpture*.  
 Salisbury, Rollin D. *Physiography*.

## B. STRUCTURAL AND TECTONIC GEOLOGY.

## Text Books :—

- Lapworth's *Intermediate Text Book of Geology*,  
 Geikie, Jas. *Structural and Field Geology*,  
 Penning. *Text Book of Field Geology*, or  
 Hayes. *Handbook for Field Geologists*.

## For Reference :—

- Chamberlin and Salisbury. *Geology Processes and their Results*.  
 Suess. *The Face of the Earth*.  
 Jukes-Browne. *Students' Hand Book of Physical Geology*.

## C. ORGANIC REMAINS : their classification, order of succession, and geologic occurrence.

## Text Books :

- Woods. *Palæontology (Invertebrate)*.  
 Seward. *Fossil Plants*.

## D. CHRONOLOGICAL GEOLOGY, with special reference to Australian Geology.

## Text Books :

- Lake and Rastall. *Text Book of Geology*, or,  
 Marr. *The Principals of Stratigraphical Geology*.

Practical accompanying B, C, and D.—Geological sections and map drawing. Study and determination of Fossil Types. Field work.

Divisions B, C, and D. comprise the Geological lectures given in the second and third terms. Fees, Lectures, £2 2s. Practical Work, £2 2s.

## E. MINERALOGY. The course consists of both lectures and practical work.

Lectures, illustrated by a large collection of mineral specimens, will be delivered twice per week during first term, and will include

1. Introduction
2. Crystallography
3. Properties of minerals
4. The classification and systematic description of minerals, including all the more abundant or important. Special attention will be paid to local occurrences.

## Books of reference :

- Rutley, F. *Mineralogy*, 12th ed. rev. Murby. 2s.  
 Dana, E. S. *Text book of mineralogy*. New ed. Wiley. 18s.  
 Miers, H. A. *Mineralogy; an introduction to the scientific study of minerals*. Macmillan. 30s.  
 Moses, A. J. and Parsons, C. L. *Elements of mineralogy, crystallography, and blowpipe analysis*. New ed. Van Nostrand. \$2.00 net.  
 Brush, G. J. *Manual of determinative mineralogy*; rev. by S. F. Penfield. Wiley. 18s.

*Practical work*, occupying 4 hours per week, will include demonstrations on

1. Crystallography, embracing elements of crystals, use of contact goniometer, and determination of crystal forms belonging to the more important of the 32 classes
2. Analysis of minerals by dry methods embracing the use of such apparatus\* and re-agents as may be conveniently carried into the field.

F. **PETROLOGY.** The course consists of both lectures and practical work.

*Lectures* will be delivered twice per week during the second term and will include

1. Introduction
2. Rock forming processes, and problems relating to volcanic intrusion.
3. Classification and systematic description of rocks
4. Ore deposits.

**Text Book :**

Harker, A. *Petrology for students.* (Cambridge natural science manuals). Cambridge University Press. New ed. 7s. 6d.

**Books of Reference :—**

Iddings, J. P. *Rock Minerals.* Wiley. 21s.

Iddings, J. P. *Igneous Rocks.* Wiley. 21s.

Harker, A. *The Natural History of Igneous Rocks.* Methuen. 12s. 6d.

Pirsson, L. V. *Rocks and Rock Minerals.* Wiley. 10s. 6d.

*Practical work*, occupying 2 hours per week, including demonstrations in

1. Hand specimen determinations.
2. The petrological microscope and accessory devices for determination of minerals in thin slices.
3. A systematic examination of the leading rock types by aid of the microscope and prepared sections.

Each student will be required to prepare and describe six satisfactory thin sections of rocks.

Fees—Lectures—£2 2s. per annum, or 14s. per term.

Laboratory Work—£2 2s. per annum, or 14s. per term.

## **56. Geology and Mineralogy. Part II., Ordinary Degree B.Sc.**

Students having completed the Part I. course detailed under paragraph 55 may elect to proceed with the Part II. course under either of the alternative sections detailed below :—

### SECTION A.

G. **ECONOMIC ASPECTS OF GEOLOGY.**

For Reference :

Elsden, J. V. *Applied Geology*, Parts I. and II.

Pittman : *Mineral Resources of New South Wales.*

H. **PALÆONTOLOGY.**

Text-books :

Zittel. *Text-book of Palæontology*, Vol. I. ; or,

Nicholson and Lydekker. *Manual of Palæontology*, Vol. I.

\* Students are required to provide themselves with a few small pieces of apparatus, most of which can be purchased from the department at a cost of about 12s.

## I. DETAILED STUDY OF AUSTRALIAN GEOLOGY, COMPARATIVE GEOLOGY, TECTONIC GEOLOGY.

### Text Books :

Kayser and Lake. *Text Book of Comparative Geology.*  
 Suess. *The Face of the Earth.*

Practical work accompanying G, H, I. : Sectioning and study of the microscopic structures of fossil organisms. Problems in geological structure and section drawing. Field work.

### SECTION B.

## J. CRYSTALLOGRAPHY.

*Lectures* dealing comprehensively with the subject as set forth in the text-book will be delivered twice per week during the first term.

### Text-book :

Lewis, W. J. *A Treatise on crystallography.* Cambridge University Press. 18s.

*Practical Classes* will meet for six hours a week, conjointly with the lectures.

Instruction will be given in the measurement of crystals with the Fuess universal goniometer, and in projecting and drawing them to scale.

## K. OPTICAL MINERALOGY.

A course of fifteen *lectures* will be delivered twice per week during the second term until completed. The subject will be introduced by an outline of the theory and construction of the microscope, to be followed by a detailed discussion of the optical properties of minerals.

### Text Book :

Iddings, J. P. *Rock Minerals.* Wiley.

### Books of reference :

Winchell, A. H. and Winchell, A. N. *Elements of Optical Mineralogy.* Van Nostrand.

Miers, H. A. *Mineralogy.* Macmillan.

Dana, E. S. *Text-book of Mineralogy.* Wiley.

Johannsen, A. *Determination of Rock Forming Minerals.* Wiley.

Rosenbusch, H. *Physiographie der Mineralien und Gesteine.* Vol. 1. Pt. 1 & 2. Nägele.

*Practical demonstrations* occupying six hours per week will accompany the lectures, and consist of experiments illustrating the properties of doubly refracting minerals, manipulation of special accessory apparatus for use with the microscope, and determination of optic axial angle.

## L. PETROLOGY.

*Lectures* will be delivered twice per week, beginning after completion of the course in Optical Mineralogy, and continuing to the end of the third term. The subject will be introduced by a discussion of some of the more intricate problems in the origin and descent of rocks. Due consideration will then be given to recent petrographical methods. The subject will be concluded by a systematic general survey of rock types.

### Text Books :

Harker, A. *The Natural History of Igneous Rocks.* Methuen.

Rosenbusch, H. *Physiographie der Mineralien und Gesteine.* Vol. 2. Pt. 1 & 2. Nägele.

Books of reference :

- Iddings, J. P. *Igneous Rocks*. Wiley.  
 Doelter, C. *Petrogenesis*. Vieweg.  
 Van Hise, R. C. *A Treatise on Metamorphism*. Mon. 47, U.S.G.S.  
 Washington, H. S. *The Chemical Analysis of Rocks*. Wiley.  
 Behrens, H. *Manual of microchemical analysis*. Macmillan.

*Practical demonstrations*, occupying six hours per week, will be held conjointly with the lectures.

Fees for Sections A or B.—£11 11s. per annum, or £3 17s. per term.

### 58. Geology and Mineralogy. Part II., B.A., and M.A. Pass Degrees.

Students may elect to proceed under either of the two following alternative sections :—

#### SECTION A.

Students may take any two of the subjects G., H, I., as prescribed under paragraph 56, section A. for the B.Sc. degree.

#### SECTION B.

Students are requested to take Optical Mineralogy and Petrology (K. and L), as prescribed under paragraph 56, section B. for the B.Sc. degree.

Fees for Sections A or B—£5 5s. per annum, or £1 15s. per term.

### 59. Geology and Palæontology. Honours Degree.

Candidates for the Honours Degree in Geology and Palæontology are required to show a more detailed knowledge of the subjects than is required for the Pass Degree detailed under paragraph 56, section A., and to pass a more stringent examination. They will be expected to spend all the time not necessarily devoted to lectures on practical work and original research.

No evening student can be considered competent to take the Honours Course in Geology, as the time available is too limited to do justice to the subject.

Original work must be undertaken by students in this course, which may be in one of the following lines, or such other lines of research as the lecturer in the subject may approve :—

- (a) The chemical composition, microscopic structure, and insoluble residues of the older limestones
- (b) The quantitative analysis of minerals entering into rock structure (under the oversight of the Lecturer in Chemistry)
- (c) Specific work in Petrology
- (d) The microscopic structure and chemical composition of organic testaceous remains, *e.g.*, Trilobites, Brachiopods, &c.
- (e) Discovery and description of new fossil species
- (f) Examination and determination of microzoal contents of fossiliferous rocks
- (g) Deciphering difficult stratigraphical problems in field study.

Students for the Honours Degree in Geology and Palæontology pay a fee of £18 18s., or £6 6s. a term.

### 60. Mineralogy and Petrology. Honours Degree.

Candidates for the Honours Degree in Mineralogical Geology are required to show a more detailed knowledge of the subjects than is required for the Pass Degree detailed under paragraph 56, section B, and to pass a more stringent

examination. Additional lectures will be given, but the work will be largely tutorial. They will be expected to spend all the time not necessarily devoted to lectures in work in the laboratory.

Additional quantitative analyses of rocks and minerals must be carried out in the Chemical Laboratory.

Students will be encouraged to devote special attention to one branch of mineralogical or petrological science, and to carry out original research therein.

Students for the Honours Degree in Mineralogical Geology pay a fee of £18 18s., or £6 6s. a term.

Text-books:—Those for the Pass Degree. References to more highly specialized works will be given as required.

### 61. Mining Geology.

Same as Part I. B.Sc. regulations detailed under subject 55, with an additional course of lectures in Mining Geology, as indicated below.

- I. Classification of ore deposits.—(a) morphological, (b) genetic.
- II. Ores due to igneous processes. Magmatic differentiation and segregation. After-eruptive actions. Pneumatolysis. Hydatogenesis.
- III. Phenomena of mineral veins, lodes, stockworks, etc.
- IV. Physical and other conditions which regulate deposition of ores: as depth, pressure, gaseous and aqueous circulation, temperature, etc.
- V. Bedded Ores. Syngenetic—ores deposited contemporaneously with sedimentary rocks; altered sedimentary ores.
- VI. Ores introduced subsequently to formation of rock mass. Epigenetic—  
(a) In interstices of rocks—disseminations  
(b) By deformation, in faults, joints, flexures, planes of fissility, &c.
- VII. Ores due to Metamorphic actions. Effects of ascending and descending waters. Metasomatic Replacements.
- VIII. Secondary changes in ore deposits. Oxidation. Secondary enrichment of ores. Ore shoots.
- IX. Detrital ores and gems in clastic deposits.

These lectures are intended for mining students of fourth year status, and will occupy one hour each week during the second term.

Fees—£1 1s.

Text-books recommended:—

Geology of Ore Deposits: Thomas and MacAlister. Arnold.

Mines and Minerals of the British Empire: Ralph Stokes. Arnold.

Text-book of Mining Geology: Jas. Park. London; 6s.

A Treatise on Ore Deposits: Phillips & Louis. Macmillan; 28s.

Genesis of Ore Deposits: Posepny. New York; 37s. 6d.

## BIOLOGY AND PHYSIOLOGY.

### A

### 66. Elementary Biology (for the Degrees of B.Sc., and B.A.).

The instruction in this subject will include:—

1. The fundamental facts and laws of the morphology, histology, physiology, and life-history of plants, as illustrated by the following types:—

Yeast plant, Bacteria, Protococcus, Mucor, Penicillium, Spirogyra, the Bracken fern, and the Bean plant.

2. The fundamental facts of animal morphology and physiology as illustrated by the following types :—  
Amœba, Vorticella, Hydra, Fresh-water mussel, Crayfish, Frog.
3. The histological characters of the blood, epidermal and connective tissues, cartilage, bone, muscle and nerve in Vertebrata.

Text-books recommended :—

- Practical Biology: Huxley and Martin.  
 Elementary Biology: Parker ;  
 The Frog, an Introduction to Anatomy and Histology: Milnes Marshall.  
 Essentials of Histology : Schäfer.  
 Introduction to Botany : Dendy and Lucas.

### B

### 67. Physiology (for the Degrees of M.B., and B.A.)

This course of Physiology will extend over four terms, viz. :—the three terms constituting one academic year, and the first term of the following year. It will comprise the subject matter of the most recent editions of Halliburton's Handbook of Physiology, Schäfer's Essentials of Histology, Halliburton's Essentials of Chemical Physiology, and the Professor's Lectures.

Students are required to attend :—

1. The Professor's lectures, the complete course of which will extend over the first and second terms of one year and the first term of the following year.
2. A practical course of Histology which will be held during the terms in which the Professor's lectures are delivered ; for this course every student must provide himself with a suitable microscope that shall be subject to the approval of the Professor.
3. A practical course of Physiological Chemistry, which will be held during the third term in each year.

#### *Practical Examination.*

Each candidate must be prepared (1) to make, examine, and describe microscopical specimens of animal tissues and organs. (2) To prove a practical acquaintance with the chemistry of albumen and its allies, milk, the digestive juices and their actions, blood, urine, glycogen. Also to show a practical acquaintance with the most important apparatus used in studying the physiology of muscle, nerve, the circulatory and respiratory system.

Text-books recommended :

- The latest editions of  
 Handbook of Physiology : Halliburton.  
 Essentials of Histology : Schäfer.  
 Essentials of Chemical Physiology : Halliburton.  
 Essentials of experimental Physiology : Brodie.

### 68. Physiology (for the Degree of B.Sc., Pass).

This course will extend over six terms.

It will comprise the course set forth under 67, and, in addition, candidates will be required to undertake an extended course of reading and laboratory work, which will be prescribed by the Professor.

Before being credited with a pass in this subject, candidates must have attended a course of lectures on, and have passed an examination in Physical

and Organic Chemistry. A laboratory course in Physiological Chemistry will be prescribed.

Fee for the whole course, £28 7s.

Text-books.—Those recommended under 67, and in addition: Recent Advances in Physiology and Bio-chemistry (ed. by Leonard Hill); Further Advances in Physiology (ed. by Leonard Hill); and such other articles and works as may be prescribed by the Professor.

### 69. Physiology and Physiological Chemistry (for B.Sc. Honours).

This course will extend over six terms.

It will comprise the courses set forth under 67 and 68, and in addition candidates will be required to show a more detailed knowledge of the subject than is required for the Pass Degree, and to pass a more stringent examination. They are required to attend lectures and pass an examination in Physical and Organic Chemistry. They must also attend a course of Practical Chemistry (qualitative and quantitative), with special reference to substances of physiological importance. It is expected that Students will devote all their time not necessarily occupied in lectures to work in the chemical and physiological laboratories.

Students for the Honours Degree in Physiology and Physiological Chemistry pay a fee of £18 18s. a year, or £6 6s. a term. These fees include the fee for the pass work set out under 67 and 68.

Text-books.

Those recommended under 67, and, in addition,

Text-book of Physiology, edited by Schäfer.

General Physiology, Verworn (English Translation by F. S. Lee).

Quain's Anatomy (parts).

Text-book of Chemical Physiology and Pathology, Halliburton.

Also various other works and special articles to which reference will be given.

## AGRICULTURE.

### 70. Special Course in Agriculture, Viticulture, and Oenology.

*This Course will extend over two years. Fee, £30 per annum, payable pro rata at the beginning of each Session.*

#### SCHEDULE.

Students are required to attend at Roseworthy Agricultural College for two complete years, and take the ordinary College Course in the following subjects as outlined in the published Prospectus of the College (1911):—

- (a) The principles and practice of agriculture
- (b) The principles and practice of fruit culture
- (c) The principles and practice of dairying
- (d) Elementary veterinary science
- (e) Agricultural chemistry (for one year only)
- (f) Surveying and levelling
- (g) Wool-classing
- (h) Principles and practice of viticulture
- (i) Principles and practice of wine-making.

## 71. BOTANY.

A course of about 36 Lectures and demonstrations on Botany will be delivered twice a week, during the second and third terms.

Fee for the course, £4 4s. ; or £2 2s. per term.

The course will comprise the following subjects :—

The general structure and physiology of a flowering plant :

1. The constituents, contents, and mode of development of elementary vegetable tissues
2. The general characters, functions, and modifications of the organs of plants
3. Nutrition, transpiration, respiration, growth, irritability
4. Reproduction, ovule, fertilization, fruit, seed, germination.

*The botanical characters of the following natural orders :—*

Ranunculaceae, Cruciferae, Caryophyllaceae, Malvaceae, Rutaceae, Papaveraceae, Amarantaceae, Chenopodiaceae, Leguminosae, Myrtaceae, Rosaceae, Labiatae, Boraginaceae, Scrophulariaceae, Proteaceae, Labiatae, Solanaceae, Compositae, Umbelliferae, Goodenoviae, Campanulaceae, Coniferae, Cyperaceae, Liliaceae, Amaryllidaceae, Orchidaceae, Gramineae.

*Practical work.*

Candidates must be prepared—

1. To describe in botanical terms such plants or parts of plants as may be submitted to them
2. To prepare, identify, or describe microscopical specimens of vegetable tissues and organs
3. To refer to their natural orders, examples illustrative of those above enumerated
4. With the aid of Tate's "Flora of South Australia" to refer to its proper natural order any plant indigenous to South Australia.

For the purpose of promoting a practical acquaintance, under natural conditions, with the specified orders and indigenous flora generally, opportunities will be taken during the course of visiting the Botanic Gardens and country in the neighbourhood.

Text-books recommended :—

*For Class Work—*

Botany for Matriculation : F. Cowers (Tutorial Press).  
Introduction to Botany : Dendy & Lucas.  
Flora of South Australia : Tate.  
Naturalised Flora of South Australia : J. M. Black.

*For reference—*

Text-book of Botany : Strasburger.  
Natural History of plants : Kerner von Marilaum, translated by Oliver.  
Experiments with Plants : W. J. V. Osterhout.

## SYLLABUS FOR FORESTRY COURSE.

## 1. CHEMISTRY.

Physical part (46), 1st term only.

Organic—Theoretical (51).

Organic—Practical (52).

## 2. GEOLOGY.

(a) *Dynamical Geology.*

The nature and operation of geological agents :

The atmosphere, rain, terrestrial waters, ice and sea, plants and animals, volcanoes, movements of the earth's crust.

N.B.—This course is provided for in Compulsory Physiography.

(b) *Mineralogy.*

Physical and chemical characters of the more important and typical species in the various mineral groups—more especially the rock forming minerals and ores.

(c) *Petrography.*

Macroscopic and microscopic characters, composition, origin and distribution of the commonly occurring rocks.

(d) *Structural Geology.*

Structure of rock masses, bedding, joints cleavage, foliation, metamorphism, faults, unconformity.

N.B.—Parts (b), (c), and (d), of this course are provided for in the first term of the ordinary Geological course.

(e) *Forest Geology.*

Nature and origin of soils and subsoils, exhaustion of soil, draining in connection with Geological structure.

N.B.—This course is not provided for in the ordinary curriculum, but the lecturer in Geology will recommend a text-book and exercise tutorial oversight.

## 3. FOREST BOTANY.

(57), with special reference to the following :

The characteristic anatomical and physiological features of the forest trees, and of the native and cultivated exotics in South Australia both in their mature and their seedling stage.

The systematic position of these trees : the structure of the more important timbers. The pathology of trees ; the symptoms, causes and treatment of the more important injuries and diseases caused by physical and organic agencies.

Fungi, as harmful physiologically to growing crops and, technically, to felled and stored timber.

## 4. FOREST ENTOMOLOGY.

General insect structure.

The detailed anatomy of a typical insect.

Relation of insect structure to methods of extermination.

Development and metamorphosis of insects.

Classification of insects with the chief characters of each order.

The general principles which tend to increase or to discourage insect attack.

Insectivorous birds and mammals, parasitic insects, fungi parasitic on insects; fumigation of nursery stock, insecticides.

The general relation of insects to plants.

Forest insects studied in detail under the following heads:—

- (a) Life history of insects and their recognition in various stages.
- (b) Nature and extent of damage, with recognition of the pest by its mode of damage where possible.
- (c) Method of prevention of attack.
- (d) Remedies in cases of attack.
- (e) Measures for extermination.
- (f) Methods of planting, cultivation, and felling of forest crops, pure and mixed, in relation to insect life.
- (g) Insects, as harmful physiologically to growing crops and technically to felled and stored timber.

#### 5. SURVEYING AND DRAWING.

The course of surveying and levelling at the School of Mines, exclusive of underground surveying and astronomy.

#### 6. FORESTRY.

(a) History of the development of Forestry.

(b) Forest policy. Utility of Forests.

The State in relation to Forests.

Forest policy in Australia and other countries.

(c) *Sylviculture.*

Locality in relation to forests, vegetation, soils.

Composition of woods, formation of woods.

Nursery work.

Natural and artificial regeneration.

Sylvicultural systems, tending of woods.

Sylvicultural notes on forest trees.

Management of woods.

(d) *Forest Management.*

Use of Hypsometer, Callipers, and Pressler's increment borer, slide rule,

Financial results of Forestry.

Preparation of yield tables.

Regulation of the yield of forests.

Rotation. Working plan. Office procedure.

(e) *Forest Transportation and Engineering.*

The setting out and formation of roads for temporary and permanent use.

The construction of bridges over streams and gullies, of gates, sheds and sawmills.

Wire rope bridges and tramways.

(f) *Forest Protection.*

Damage done by animals, plants, frosts, sun, wind, fire, and shifting sands.

(g) *Forest Utilisation.*

Felling and conversion of timber.

Industrial uses of wood.

Subsidiary industries springing from Forestry.

Preservation of timber.

(h) *Administration.*

During the vacations students will be placed on the Forests Departments Reserves and there will undergo a thorough course of training in Practical Forestry. The practical course in Forestry will rank equally in importance with the theoretical course in Forestry.

Note.—This syllabus is subject to modification on the establishment of the complete curriculum in Botany.

### 73. Applied Mechanics (ii).

THE MECHANICS OF MACHINERY.—Definition of a machine. Constraint of plane motion. Translation a special form of rotation. Spheric and screw motions defined. Kinematic elements. Sliding and turning pairs. Higher and lower pairing. Relative motion. Instantaneous motion. Virtual centres and axes. Permanent centre. Centrode and axode. Kinematic chains. Lever crank and slider crank chains. Inversion of the kinematic chain. Simple and compound chains. Determination of virtual centres in mechanisms, with various examples. Determination of relative linear and angular velocities of points in lever and slider crank chains. Velocity and acceleration diagrams in general. Graphical and analytical determination of relative velocity of piston and crank pin in reciprocating engine. Problems upon the same. Acceleration of piston—analytical method and Professors Klein's and Dunkerley's graphical methods, with proofs of same. Relative velocities of parts of the oscillating engine, with examples. Quick return motions, with example. Velocity of rubbing of crank pin for reciprocating and oscillating engines. Crank effort diagrams for reciprocating engine. Effect of obliquity of connecting rod. Compound and triple expansion engines. Correction of indicator diagrams for inertia in reciprocating and oscillating engines. Examples. Kinetic energy of rotation. Method applied to finding radius of gyration of connecting rod. Balancing the single cylinder engine. Graphical method (force and couple polygons) for balancing compound and multiple expansion engines. Locomotive balancing. The double slider crank chain. Inversion of double slider crank chain. Rapson's slide. Oldham's coupling. Parallel motions—Scott-Russell's, Watts'. Approximate parallel motions based upon the lever-crank and slider-crank chains. Peaucellier and Brickard's exact parallel motions with turning pairs. The beam engine. Higher pairing. Spur wheel trains by method of virtual centres. Cycloidal and involute teeth. Annular gearing. Virtual centres in compound spur wheel trains. Reverted trains. Epicyclic

trains. Reverted epicyclic trains. Sun and planet motion. The capstan. Weston's triplex pulley block. The drilling machine. Change points. Constraint of motion by rolling of centrodes. Rolling contact. Constant and varying angular velocity-ratio with pure rolling contact. Rolling ellipses and logarithmic spirals. Limits of velocity-ratio mutually reciprocal. Lobed wheels. Contraction of angles. Non-circular gearing in general. The shaping machine problem. Limits to diameter of generating circles in spur and annular gearing. Construction tooth profiles. Direct methods. Approximate constructions. Theory and use of Willis's and Robinson's odontographs. Worm wheels. Determining shape of teeth. Cams. Determination of profiles. Examples of the heart-shaped cam, the stamp mill, and gas engine cams. Cams of constant breadth. Velocity-ratio in cam trains. Ratchet trains and escapements. Spheric motion. The conic quadric crank chain. Friction. Derivation of formulæ for journal and pivot friction. The friction circle. Effect on turning effort in reciprocating engine. Friction in toothed gearing and belt and rope gearing.

TEXT BOOK.—“Kinematics of Machines”—Durley.

REFERENCE BOOKS.—“Applied Mechanics”—Cotterill; “Mechanics of Machinery”—Kennedy; “Principles of Mechanism”—Robinson; “Velocity Diagrams”—MacCord; “Kinematics of Mechanical Movements”—MacCord; “Balancing of engines”—Dalby.

### 36. Applied Mechanics (iii).

Same as for B.Sc. Degree, subject 36.

#### 75. Assaying (i).

Estimation of coke and volatile matter in coal. Estimation in the dry way of lead and silver in litharge and red lead, argentiferous ores, including cerrusite, galena, kaolin, and furnace products as mattes and slags. Estimation of gold and silver in auriferous and argentiferous ironstone, quartz, pyrites, arsenical and antimonial and metallurgical products by both dry and mixed wet and dry methods. Estimation of tin in the dry way in tin ores. Effect of different metals and furnace conditions on cupellation and scorification. Dry assay of bullion. Check assaying.

#### 76. Assaying (ii).

##### METALLURGY COURSE.

The course will consist of the following estimations:—Acidimetry and alkalimetry. Determination of—Copper. Iron in various ores and slags. Copper and iron in copper pyrites. Estimation of lime in slags and limestone. Determination of manganese in ores, slags, and metals. Determination of lead in ores, slags, &c. Zinc by various volumetric processes. Preparation of pure gold and silver and assay of gold and silver bullion by dry methods. Assay of silver bullion by Gay Lussac's sodium chloride method and Volhard's thiocyanate method. Arsenic in various materials. Phosphorus in manures, phosphate rock, and basic slag. Antimony and chromium in ores and alloys. Determination of cyanides and cyanogen and the technical analysis of working solutions from the cyanide process of extracting gold. Determination of aluminium, nickel, and cobalt. Complete analysis of zinciferous galena and chalcopyrite involving separations and the use of volumetric and gravimetric estimation of the constituents. Complete analysis of various metallurgical products. Analysis of typical commercial metals and alloys.

**77. Assaying (ii).**

## MINING COURSE.

Determination of iron, lead, copper, zinc, manganese, lime, phosphates.

Assay of working solutions resulting from the cyanide process of extracting gold. Assay of silver bullion by Volhard's method. Assay of gold bullion.

**78. Assaying (ii.)**

## ELECTRICAL ENGINEERING, COURSE B.

Acidimetry and alkalinity. Estimation of copper, zinc, lead; analysis of commercial copper and electrolyte from refining works; electrolytic analysis, bullion assays, and estimation of gold and silver.

**79. Assaying (iii).**

## METALLURGY COURSE.

Analyses of iron and steel works' materials and products.

Analyses of furnace gases.

Technical analysis of boiler water.

More difficult analyses of materials named in Assaying II., and those containing tin, bismuth, cadmium, mercury, and other less common elements.

Complete analyses of commercial metals and alloys.

**80. Building Construction.**

A descriptive course in elementary building construction. The lectures will include the consideration of wall and arch construction in brickwork and masonry. Joints in brickwork. Ventilation and prevention of damp. Brick drains and sewers. Joints and fastenings for wood-work. Roofs. Floors. Partitions. Doors. Windows. Stairways. Sections of rolled steel used in building construction. Steel building construction for machine shops and factories. American fireproof buildings.

Foundations. Excavation. Piling.

The properties of building materials, as brick, stone, lime, mortar, cement, concrete, &c.

The physical properties of timber. Influence of time, felling, seasoning, &c., upon strength and durability. Methods of seasoning. Preservation of timber.

TEXT BOOK.—Mitchell's "Elementary Building Construction."

**81. Drawing (i).**

GEOMETRICAL DRAWING, including all that is usually taught in this subject up to the construction of the conic sections, the cycloids, volutes, and spiral. Before taking this subject the student should have taken Plane Geometry of the First Grade.

FREEHAND SKETCHING OF PARTS OF MACHINERY.—These sketches have to be made showing plan, elevation, and sections where necessary, so as to give all the information, including dimensions, required to enable a finished drawing of the object to be made from the sketch. Students are expected to have done First Grade Freehand in their primary education.

A course in Solid Descriptive Geometry, including the projection of points, lines, planes, and simple solids, the principles of perspective drawing and isometric projection. Before taking this subject the student should have taken Elementary (Intermediate) Solid Geometry.

TEXT BOOKS.—“Practical Plane Geometry,” “Freehand Design,” “Elementary Projection.”—Harry P. Gill.

### 82. Drawing (ii).

A practical course in Mechanical Draughtsmanship, and in the preparation of working drawings of separate parts of machinery.

Copying drawings to the same or different scales.

Sketching and measuring parts of machinery and making complete drawings therefrom.

Tracing drawings for blue printing.

### 83. Drawing (iii).

A course in Advanced Mechanical Drawing. Taken at the School of Mines.

### 84. Drawing—Descriptive Geometry.

This course includes problems in envelopes, shades and shadows, interpenetration of solids and oblique projection. Taken at the School of Design.

### 85a. Electrical Engineering

#### FELLOWSHIP I.

An introductory set of lectures to the Electrical Engineering Fellowship II. Course, taken also by students in Mining and Mechanical Engineering Fellowship Courses.

The lectures and demonstrations in this course will be of a general and descriptive character outlining the theory and practice of direct and alternating current work. They will be of such a nature as to enable students who do not proceed to Course II. to gain a general knowledge of the subject; while students who intend to take the advanced course will be enabled to take proper advantage of what practical experience they may be able to gain in the intermediate vacation.

Text Books.—

Dynamo Electric Machinery, Vol. I. and II.—Sheldon & Mason.

Practical Testing of Dynamos and Motors.—C. F. Smith.

Reference Books.—

Practical Alternating Currents and Alternating Current Testing.—C. F. Smith.

Electrical Engineering in Theory and Practice.—Parr.

Electrical Engineering: Measuring Instruments.—Parr.

#### LECTURES.

Units.

Potentiometer.

Instrument calibration.

Lamps—Incandescent and arc.

Accumulators.

D.C. Dynamos and motors. Theory. Description. Operation. General behaviour.

A.C. Phenomena. Reactance. Impedance. Power factor. Polyphase systems.

Simple theory and behaviour of alternators. Transformers. Induction Motors. Synchronous motors. Rotary converters.

#### PRACTICAL WORK.

Electrical measurements, including potentiometer methods.

Calibration of instruments.

Testing of lamps and photometry.

Characteristic curves of dynamos.

Brake test of D.C. motor.

Tracing A.C. curves by point to point method.

Test of transformer and rotary converter.

Brake test of induction motor.

### 85. Electrical Engineering.

#### FELLOWSHIP II.

Fuller consideration will in this course be given to the details of the more theoretical work, especially in its application to the design of electrical machinery and apparatus. The work covered in previous year will be revised in much greater detail, and at the same time extended.

Text-books in addition to those recommended for Fellowship I. :—

Alternating Currents.—Lamb.

Practical Alternating Currents, and Alternating Current Testing.—C.F. Smith.

Alternating Current Motors.—McAllister.

Reference Books.—

Dynamo Electric Machinery—

I. Direct Current

II. Alternating Current

} S. P. Thompson.

High Tension Power Transmission Reports.—McGraw Publishing Co.

Electric Railways Report.—McGraw Publishing Co.

Elements of Electric Engineering.—Steinmetz.

Electric Railway Engineering.—Parshall & Hobart.

Induction and Continuous Current Motors.—Hobart.

Electric Railway Economics.—Gottshall.

Journals, such as, Proceedings of Institute of Electrical Engineers ; Electrician ; Electrical Review, &c.,

#### LECTURES.

These lectures will be devoted to the following :

The general principles of direct current work and their embodiment in designs of D.C. electrical machinery.

A more detailed consideration of the characteristics and behaviour of dynamos and motors under different conditions of loading and coupling. The supply and distribution of power, dealing in detail with the two and three wire systems, station equipment, balancing devices, batteries, boosters, etc., accumulators, arc and incandescent lighting, tramways, motor control, etc., description of modern generators, switchboards, and power stations.

A.C. work, fundamental laws and principles of single phase currents, laws of combination of resistances capacities and inductances treated, algebraically and graphically, the theory and design of A.C. apparatus such as choking coils, transformers, auto-transformers, synchronous and induction motors, &c., polyphase currents, fundamental principles and application to generators, motors, rotary converters, frequency converters, arrangements and grouping of transformers star and mesh, description of modern polyphase machinery, transmission and distribution of power—long-distance transmissions and line characteristics, special switchboard arrangements, &c., industrial applications.

An optional paper of higher standard than the pass papers will be set at the final examination for classification.

#### PRACTICAL WORK.

Potentiometer measurements of current E.M.F. and Res., calibration of ammeters, volt meters, watt meters, supply meters, characteristics of D.C. dynamos and motors, separately excited, series, shunt, compound, and over and under compounded.

Efficiency of motors, brake tests, Hopkinson and Kapp tests for a pair of machines, behaviour of motors and dynamos running in parallel.

Characteristics of alternators, single and polyphase efficiencies, point to point determination of waves of E.M.F. and current, power factors, calibration of instruments combinations of resistance, capacity, and inductance. Choking coils, transformer characteristics and determination of losses and efficiency by different methods, testing of synchronous and induction motors and rotary converters, grouping of transformer coils in polyphase systems, synchronising, and the running of machines in parallel.

### 86. Fitting and Turning (i).

Description of various hand tools, with practical work on the filing of flat surfaces to straight-edge and calipers.

Hammers and hammering.

Description of various chisels used, with practice on the chipping of surfaces, cutting key-ways, fitting keys, &c.

Centreing work for the lathe, grinding lathe tools, turning with hand tools, turning with slide rest.

Various chucks and devices for chucking.

Boring in the lathe, other means of boring drills and drilling machines.

Machining surfaces in the shaping, planing, and milling machines, &c.

Each student should provide himself with the following tools:—One steel rule, 1 x 12; one steel square; one pair calipers, outside; one pair calipers, inside; one centre punch; one pair spring dividers.

The above set may be obtained at the School of Mines on order.

**87. Fitting and Turning (ii).**

Description and use of the compound slide-rest lathe, for surfacing and screw-cutting.

Methods of calculating change wheels for screw-cutting, &c.

Turning and fitting to exact gauge, scraping surfaces.

The principles of gearing and the cutting of simple gears in the milling machine.

**88. Fitting and Turning (iii).**

Cutting multiple thread screws and worms in the lathe. Cutting worm wheels, &c., in the milling machine.

Students will be given special work as they show their fitness for it. Finishing, assembling, and erecting machinery to be put to practical use in the workshops or laboratory.

**89. Hydraulics.**

The laws governing the flow of water through orifices, over weirs, along pipes and open channels.

The principles controlling the construction and working of water wheels turbines, and centrifugal pumps.

Text-books :

Merriman—Treatise on Hydraulics.

**90. Machine Design (i).**

The design of the individual parts of machinery, including bolts nuts, keys, cotters, screws, pipes and pipe joints, riveted joints, shafting couplings, journals and bearings, belt and rope-gearing pulleys, friction, and toothed gearing.

DETAILS OF THE STEAM ENGINE.—Crank, eccentrics, connecting rods, crossheads and guides, pistons, piston-rods, cylinders, stuffing boxes, valves, and valve-gearing link-works, fly wheels, governors.

The design of steam boilers.

Text-book: "Machine Design." Spooner.

Reference Books: "Elements of Machine Design." Unwin.

**91. Machine Design (ii).**

ADVANCED PROBLEMS IN MACHINE DESIGN.—Students will design and make complete working drawings of parts of machinery, as far as possible, without the aid of the instructor.

**92. Machine Design (iii).**

The design of some more complicated machine, complete working drawings of which will be made, as far as possible, without the aid of the instructor.

**93. Mechanical Engineering (i).**

The transformations of energy in furnace, boiler, and steam engine. Relation between heat energy and mechanical work. Joule's equivalent. The British thermal unit. Dry, wet, saturated, and superheated steam defined. Steam tables.

**THE PRODUCTION OF STEAM.**—Externally and internally fired boilers. The plain cylindrical and return tubular boilers described and compared with the Cornish, Lancashire, and Galloway. Boiler setting. Boiler fittings. Safety valves. Gauge glasses. Stop valves. Clack box. Fusible plugs. Disengagement area. Priming. Foaming. Forcing. Quick and slow steaming. Heating surface and grate area. Combustion. Formation of smoke and its prevention. Combustion chambers. The burning of anthracite and bituminous coals. Oil and gaseous fuels. The unit of evaporation. Evaporative capacity. Boiler horse-power. Efficiency of furnace and boiler. The formation of boiler scale, its prevention and removal. Effects of scale. Sectional or water-tube boilers. Description of Babcock and Wilcox, Heine, Stirling, Belleville, Thornycroft, and Yarrow boilers. Priming and anti-priming boilers. Fire-tube boilers. Description of vertical, locomotive, and the Scotch and Admiralty boilers. Comparison of water-tube and fire-tube boilers as regards danger and effects of explosion, temperature strains, disengagement area, priming, forcing, circulation, formation of scale, efficiency of heating surface, evaporative capacity, portability, repairs, weight, cost, &c.

**THE STEAM ENGINE.**—Nominal, indicated, and brake-horse power. Mechanical efficiency. Reciprocating and rotary engines. Detailed description of parts of a simple reciprocating engine, including cylinder (jacketed and unjacketed), pistons (plate box, conical, and spider and follower), piston packings (snap rings, spring rings, and steam packing), stuffing boxes for soft and metallic packings. Requirements of a good packing material. Various types of cross heads. Piston rods. Connecting rods. Loose and fixed strap ends, box ends, and marine connecting rod. Overhung and centre cranks. Crank shafts, solid and built up. Crank shaft bearings. Composition and use of anti-friction metals. Cylinder insulation. Insulating properties of various substances. Clearance. Advantages and disadvantages of clearance. Comparison of functions of fly-wheel and governor. The eccentric. Action of the simple slide valve. Lap lead and angular advance. Valve setting. The Meyer valve, gear. Relief frames. Double ported valve. Trick valve. Piston valve. The Porter-Allen engine with divided valves. The Cornish cycle and use of equilibrium valve. The Corliss engine, Richardson's trip gear. High speed engines. Reversing gears. Stevenson's link motion and Joy's valve gear. Governing by throttling and by variation of cut-off. Centrifugal governors. The Watt (open and cross-armed), Porter, Hartnell, and Pickering governors described and compared. Inertia and resistance governors.

Jet, surface, atmospheric, and ejector condensers described and compared. Cooling towers. Feed water heaters. Feed pumps and injectors. Steam separators and superheaters. Oil filters. Reducing valves. The Richards, Crosby, Thompson, Tabor, Darke, Elliott Bros., outside spring, and the Wayne indicators described. Comparison of ideal and actual indicator diagrams. Interpretation of indicator diagrams.

**THE STEAM TURBINE.**—Impulse and reaction. Description of De Laval, Riedler-Stumpf, Rateau, Curtis, Parsons, and Schulz turbines. Comparison of the steam turbine and reciprocating engine as regards mechanical efficiency, size, foundations, balancing, fluctuation of speed, overloading, condensation losses, internal friction and lubrication, lubrication of bearings, use of high superheat and high vacuum, material stresses, steam economy, and cost of manufacture and supervision.

**GAS AND OIL ENGINES.**—The Lenoir, Hugon, and Otto and Langen engines described, and the causes of their low efficiency investigated. The Beau de Rochas, or Otto cycle, explained. Description of some modern engines using

this cycle, *e.g.*, the Otto, Crossley, Stockport, and Tangye. Description of the Priestman and Hornsby-Akroyd oil engines. General comparison of internal and external combustion engines.

NOTE.—The above course is essentially descriptive and explanatory, and is fully illustrated by lantern slides.

#### 94. Mechanical Engineering (ii).

ENGINEERING WORKSHOP PRACTICE.—A description of tools and appliances used in engineering workshops. Various operations such as moulding, casting, forging, etc. Machine tools. The method of construction of the various parts of a steam engine and boiler.

Text Book—"A text Book of Mechanical Engineering"—Lineham.

AN ADVANCED COURSE ON THE STEAM ENGINE.—The thermo-dynamics of the steam engine. Entropy temperature diagrams. The indicator diagram. Effects of wire-drawing, clearance, compression, initial condensation, and re-evaporation. Steam-jacketing. Superheating. Compounding. Condensers.

THE MECHANICS OF THE STEAM ENGINE.—Valves and valve gearing. Valve diagrams. Link motions and radial gears. Governors. Fly-wheels. Diagrams of crank effort. Influence of reciprocating parts. Balancing. Engine fittings. Lubrication and lubricants.

THE PRODUCTION OF STEAM.—Different types of boilers, their uses and efficiencies. Combustion. Mechanical stokers. Feed-water heaters. Superheaters. Feed-pumps. Injectors. Chimneys. Mechanical draught and smoke prevention. Corrosion and cleaning of boilers.

Text Books—"The Steam Engine"—Holmes; "The Steam Engine and other Heat Engines"—Ewing.

Reference Books.—"A Text Book on Steam and the Steam Engine"—Jamieson; "Thermo-dynamics of the Steam Engine"—Peabody; "The Heat Efficiencies of Steam Boilers"—Bryan Donkin; "Lubrication and Lubricants"—Archbutt and Deely.

#### 95. Mechanical Engineering (iii).

This course includes the consideration of special types of steam engines, gas, oil, and air engines, refrigerating and compressed air machinery, and pumping machinery.

#### 96. Mechanical Engineering (iv).

This course includes triple and multiple expansion engines. Locomotive engineering. The testing of steam engines and boilers. The design of wind-mills, water-wheels, and water and steam turbines.

#### 97. Metallurgy (i)—Theoretical.

##### INTRODUCTORY.

DEFINITION AND SCOPE OF METALLURGY.—History. Physical properties of metals and characteristic examples. Simple testing machine.

EXPLANATION OF TERMS USED.—Ore, Gangue, Dressing, Calcination, Roasting, Smelting, Liqation, &c.

**SLAGS AND FLUXES.**—Principle of selection and general properties of chief types.

**REFRACTORY MATERIALS** employed in the construction of furnaces, crucibles, and retorts. Their general properties and composition. Firebricks, Crucibles.

**FURNACES.**—Chief types of hearths, kilns, blast and reverberatory furnaces. Means of supplying air to furnaces. Blowing engines and blowers.

**FUEL.**—Classification:—I. Natural fuels—Coal—Character, composition, and uses of various kinds. II. Prepared fuels—Compressed and dried fuel. Carbonised fuels—Charcoal burning. Coke.—Properties and composition. Preparation of coke. Coke ovens. Construction and mode of working. Beehive, Coppee, and Simon-Carves ovens.

#### IRON AND STEEL.

**IRON.**—Physical properties. Red and cold shortness, welding. Classification of iron and steel with special reference to carbon. Ores of iron.—Characters, composition, and comparative value. Chemical reactions of reduction of iron from its ores. Direct production of wrought iron. Construction of modern blast furnaces. Simple forms of hot blast stoves. Working of a hot blast furnace. Products of blast furnaces, working and utilisation of same. Classification of pig iron. Properties and approximate compositions.

**WROUGHT IRON.**—The modern "pig-boiling" process. Working of a charge. Principles of the process. Production of "puddled bar." Merchant iron, rolls used. Re-heating furnace.

**STEEL.**—Physical properties. Hardening, tempering, and annealing. Cementation process. Furnaces and materials used. Blister steel and shear steel. Crucible cast steel. The Bessemer Process.—Principles of the process. Converters. Acid and basic process. Products. The Open-hearth Process.—Furnaces, acid and basic linings. Products.

#### GOLD, SILVER, COPPER, LEAD, ZINC, TIN, MERCURY.

**GOLD.**—Physical properties. The occurrence of gold and general nature of ores. Classification of processes. Stamp Milling.—Chief parts of plant. Products and treatment of same. Retort furnace. Chlorination—Simple roasting furnaces. Chlorination and precipitation vats. The Cyanide Process.—Refining and parting gold bullion. Principles on which the process depends. Parting by sulphuric acid. Miller's chlorine process. Recovery of silver from fused silver chloride.

The metallurgy of gold will be dealt with more fully than that of the other metals included in this course.

**SILVER.**—Physical properties. AgCl and its solvents. Ores of silver. Principles and chief reactions on which the processes for the reaction of silver from its ores are based. Smelting silver ores with copper and lead ores will be treated under lead and copper. Extraction by pan amalgamation. Outlines of the Ziervogel and Augustin process, appliances used.

**LEAD.**—Physical properties. Lead oxide, its formation and properties. Ores of lead. Characters and chemical composition. Reactions of lead smelting. Flintshire process. Furnace used and nature of products. Treatment of "grey slag." Smelting in blast furnaces. Roasting lead ores. Water-jacketed smelting furnaces. Hard lead. Softening hard lead. Extrac-

tion of silver from lead. Furnaces and appliances. Nature and treatment of products. Pattinson's process. Parke's process. Cupellation by the English process. Alloys of lead.

**COPPER.**—Physical properties. "Dry," "tough" and overpoled copper. Ores of copper—Characters, composition, and relative value. The chemistry of copper smelting and refining. Calcination in heaps, stalls, and simple furnaces. Smelting in reverberatory furnaces. The Welsh process. Production of coarse metal, white metal, and blister. Slags and their treatment. Furnaces employed Smelting in blast furnaces. Outlines of the process. Copper refining in reverberatory furnaces. Copper alloys.

**ZINC.**—Physical properties. Ores of zinc. Characters and Chemical composition. Methods of extracting zinc. Furnaces, retorts, and condensers used. Preparation of ores. Belgian process. Silesian process. Zinc alloys.

**TIN.**—Physical properties. Ores of tin. Principles of tin smelting. Cornish method of smelting. Products. Refining tin. Liquefaction. Boiling "Tossing." Alloys of tin.

**MERCURY.**—Physical properties. Ores. Chemical reactions. Old Almaden Aludel furnace. Amalgams—Mercury and silver; gold; copper.

The above syllabus will be followed and the lectures will treat of each subject in a general way without great detail.

### 98. Metallurgy (i).—Practical.

Determination of coke, volatile matter, ash, moisture, and sulphur in coal. Calorific power of fuels. Testing of refractory materials. Treatment of gold ores by amalgamation, etc. Treatment of gold ores by the cyanide process. Preparation of standard solutions of sodium carbonate, sulphuric acid, caustic soda and silver nitrate. Determination of the soluble acidity of an ore and the latent acidity of an ore. The consumption of cyanide during treatment and the total extraction of the gold. Assay of the cyanide solution resulting from the treatment of the ore for gold.

The treatment of pyritic gold ores by the chlorination process. Roasting the ore. Treatment of the roasted ore with chlorine. Assay for gold of the solution resulting from the treatment of the ore.

Chloridising roasting of ores containing copper. Experiments to ascertain the proper percentage of raw pyrites and the minimum quantity of salt which must be added before roasting. The influence of sulphur and ferric oxide in the roasting operation.

Chloridising roasting of silver ores. Lixiviation by hyposulphite of soda. Assay for silver of the solution resulting from the lixiviation of the ore.

Sulphatising roasting of mattes. The sulphatising action of ferrous sulphide. Formation of sulphate of silver and metallic silver on roasting sulphide of silver. Sulphatising metallic silver by ferrous sulphate. Sulphatising metallic silver by cupric sulphate.

Dissociation of cupric sulphate increases the formation of sulphate of silver from sulphide of silver.

Preparation of pure silver. Preparation of pure gold. Assay of gold and silver bullion.

Preparation of various silicates. Fusing point of various silicates.

**99. Metallurgy (ii).**

## SECTION I.—INTRODUCTORY.

Selection of fluxes for ordinary smelting operations. Constitution, classification, and fusibility of silicates. Economic application of slags. Calculation of furnace charges. Composition of refractory materials and the methods of testing them. Calorific intensity of fuel. Calorific power of fuels and its measurement. Composition and the general character of the various kinds of fuel. Construction and the mode of working the chief types of modern coke ovens. Utilisation of the bye products. Semet-Solvay and Otto Hoffmann ovens. Gaseous fuels—Natural, artificial, Siemens Wilson, Mond producer with recovery of bye products, water gas producers. Methods of measuring high temperatures. Electric resistance and thermo-couple pyrometers. Automatic recording pyrometers.

## METALLURGY OF COPPER.

Impurities in copper and their effects on its physical properties. Preparation of ore for smelting. Modern automatic calcining furnaces. The modern Welsh process of smelting. Blast furnace smelting. Modern American water-jacketted furnaces—working and products. Machine for producing the blast. Pyritic smelting. Bessemerising of copper mattes. Converters and appliances used. Products. The Best-selecting process. Kernel roasting. Combined blast, converter, and reverberatory methods practised in modern plants. The Nicholls and James "direct" wet process. Electrolytic refining of copper and the recovery of the precious metals. Varieties of commercial copper.

## METALLURGY OF LEAD.

Comparison of the chief methods of smelting, their respective advantages, and the nature of the ores that can usually be treated by each. Outlines of the old Cornish process. (Flowing furnace) Shaft furnace smelting. Calculations of the charges. Typical slags. Brick and water jacketted furnaces, advantages of each. Lead fume. Character and approximate composition methods and apparatus for condensation. Treatment of lead fume. Pattinsonisation by steam. Parke's process details. Modification of Parke's process. German method of cupellation. Comparison with the English method. Manufacture of sheet lead, pipe, and shot. Precautions against lead poisoning in works. Commercial lead and its impurities. Autogenous soldering.

## METALLURGY OF GOLD.

Influence of various impurities on the physical properties of gold. General arrangement of a stamp mill. Construction of the stamp battery. Amalgamated plates. Frue vanner and its uses. Amalgamation in mills. The Huntington mill. Amalgamation in pans. Causes of loss of mercury and gold, and the precautions adopted to minimise them. The Boss continuous process. Chlorination process in vats and barrels. The process used at Mount Morgan. The cyanide process. Ores and tailings suitable for the process. Treatment of slimes. Appliances used. Use of bromine in the process. Precipitation of the gold by zinc and by electrolysis. Treatment of the precipitate to obtain gold bullion. Cripple Creek and West Australian practice in treatment of tellurides. Parting gold bullion by nitric acid. Alloys of gold.

## METALLURGY OF SILVER.

Preliminary preparation of silver ores by roasting. Construction of modern mechanical roasting furnaces. Outlines of the old Mexican Patio

process. The Patera and Kiss hyposulphite processes. The Russell process. Extraction of silver from burnt pyrites by Claudet's process. Combined smelting and wet process for silver ores associated with copper and gold, as practised in Colorado. General scheme of smelting for mixed ores. Extraction of silver from metallic copper by treatment with sulphuric acid and by electrolytic methods.

#### METALLURGY OF MERCURY.

Modern methods of smelting and purification.

#### METALLURGY OF ALUMINIUM.

Physical properties and most important uses of the metal. Extraction by modern electrolytic methods. Uses of aluminium as a reducing agent. Other applications in metallurgical processes. Alloys containing aluminium.

#### METALLURGY OF IRON AND STEEL.

CAST IRON.—Modes of existence of carbon in grey, mottled, and white. Grading of pigs. Influence of carbon, phosphorus, sulphur, and silicon on iron. Cowper and Whitwell hot blast stoves. Slags. Blast furnace smelting. Utilisation of the furnace gases. Conditions under which various elements are reduced in the blast furnace. "Special" irons. Melting pig iron in cupolas. Chill castings. Malleable castings.

WROUGHT IRON.—Theory of the "pig boiling" process. Reheating and puddling furnaces fired by gas. Chief varieties and sections of merchant iron.

STEEL.—Materials suitable for various steel-making processes. Open hearth steel castings. Means of preventing unsoundness in these castings. Composition, physical properties, and uses of the various kinds of steel. Case hardening. "Harveyising" armour plates. Special steels—Manganese steel, chrome steel, nickel steel, tungsten steel; uses, composition, and manufacture of each. Ship plates, boiler plates, tin plates, joists, rails, nickel steel armour plates.

#### METALLURGY OF NICKEL AND COBALT.

ORES.—Properties of the metal. Dry methods of extraction from Canadian and New Caledonian ores. Furnaces and appliances used. Production of nickel. Copper alloy and metallic nickel. Wet extraction from arsenical ores and speise and separation of cobalt. Mond's nickel-carbonyl process. Electroplating. Alloys and applications of the metals. Smalts.

#### METALLURGY OF PLATINUM.

Ores and occurrence of platinum. Extraction and separation of metals usually associated with platinum. Melting and refining.

#### METALLURGY OF ANTIMONY.

Properties. Impurities in the commercial metal. Liquefaction of stibnite. English and French processes for extraction. Refining. Uses.

#### METALLURGY OF ARSENIC.

Preparation of white arsenic and metallic arsenic. Uses of the metal.

#### METALLURGY OF BISMUTH.

Ores and metallurgical products containing bismuth. Wet and dry methods of extraction. Purification. Impurities in the commercial metal. Alloys of bismuth.

**100. Metallurgy (iii).**

The subjects of Metallurgy II. treated in greater detail.

Modern theories of alloys and molecular structure of metals.

Design of plant.

The present state of metallurgical practice.

Recent metallurgical researches.

**101. Mining (i).**

The modes of occurrence of minerals. Classification of ore deposits. Faults and dislocations. Schmidt's law and Zimmerman's rule.

Methods of prospecting for minerals.

Boring with the diamond and calyx drills. The American system of boring by percussion.

Breaking ground. Hand tools. The use of machinery for breaking ground. The transmission of power to working places. Air compressors. Machine drills driven by compressed air or electricity. Explosives and blasting. Driving and sinking.

The methods of supporting excavations. Timbering levels, shafts, and working places. Masonry, steel, and other supports.

Methods of exploitation. Open cut. Hydraulic mining. The mining of beds. Extraction of narrow and wide veins and masses.

Special processes for sinking through watery strata. Boring, compressed air, and freezing methods.

Underground transport. Tramways. Trucks. Power used for underground transport. Various systems.

Transport above ground. Aerial ropeways.

Winding machinery. Windlass. Whips. Horse whims. Winding engines and drums. Pulleys and poppet-heads. Ropes, chains and attachments. Buckets and cages. Keps, guides, signals, safety appliances, detaching hooks, safety catches, automatic stopping gear. Electric hoists.

The drainage of mines. Underground dams. Drainage tunnels. Baling. Systems of pumping. The Cornish system. Lift and plunger pumps, pump rods, columns, balance bobs. Steam pumps and arrangements, various types. Underground pumps worked by compressed air. Pulsometer. Air-lift pumps. Centrifugal pumps.

The ventilation of mines. Causes of pollution of air in mines. Natural ventilation. The laws governing the flow of air in mines. Means of assisting natural ventilation. Furnace ventilation. Systems of mechanical ventilation. Centrifugal fans and blowers. Measuring the flow of air.

The lighting of mines.

The descent and ascent of miners. Ladders and ladder ways. Hoisting men in buckets or cages.

Mining plans.

Text-book—Ihlseng and Wilson: "Manuel of Mining."

**102. Mining (II).**

This course will be an extension of that mapped out in Mining (I.), with the following additions:—

Coal Mining. Methods of mining, and the theory and practice of ventilation.

Mine Economics. The sampling of mines and the principles of valuation. Mine book-keeping.

Mining Law. The elements of the mining laws of the Australian States.

Mining Methods. The principles of ore-extraction outlined in Mining (I.), treated with greater detail.

Mine Surveying. The making and use of mine plans. The calculation of dump capacity of ground, etc

Various problems will be chosen from such subjects as pumping winding, methods of handling ore, the design of surface works, etc., and students will be required to prepare drawings from their own designs.

Text-books—"A Manual of Mining": Ihseng and Wilson; "Principles of Mining": Hoover.

**103. Ore-Dressing (I).**

ROCK BREAKERS.—The Blake, Dodge, and Gates types. Details of construction, capacity, power and cost, and general comparisons.

CRUSHING ROLLS.—Descriptions of different types. Close and spaced rolls. Effect of speed upon capacity and character of crushed product. Power required.

THE STAMP MILL.—Detailed descriptions of typical constructions of the various parts. Battery frames and foundations. Comparisons of different designs. The use and economy of automatic feeders. Steam stamps

The Arrastra, Chilian mill, Huntingdon mill, Griffin mill, Ball mills, Tube mills, Heberli grinders, grinding and amalgamating pans, Berdan pans.

General comparisons of the cost and character of the reduction effected by different machines.

SCREEN SIZING.—Grizzlies. Flat shaking sieves. Revolving trommels.

HAND SORTING.

HYDRAULIC CLASSIFICATION.—Spitzkasten and Spitzlutten. Slime separators. Laws of classification by free settling in water.

JIGS.—Description of types. The Hartz, May, Hancock, and others. Character of the action of jigs. The effect of interstitial currents and suction. Richard's experiments.

CONCENTRATING TABLES.—General laws. The Wilfley table, Frue vanner, Luhrig vanner, canvas tables, buddles, &c.

MAGNETIC SEPARATION and other special processes.

Elevators, launders, bins.

Application of principles to the consideration of general mill schemes. Discussion and description of actual mills.

Text-book—R. H. Richards, "A Text-book of Ore Dressing."

REFERENCE BOOKS.—R. H. Richards: "Ore Dressing"; Louis: "Gold-Milling."

**103a. Ore Dressing (ii).**

A course of lectures will be given, but a considerable part of the time will be devoted to making drawings illustrative of the work in hand.

The principles of the processes described in Ore Dressing (I.), will be discussed in greater detail, and selected processes will be fully described to further illustrate these principles.

The problem of finding a method of treatment for a particular ore will be discussed in detail.

Text-book—"A Text-book of Ore Dressing": Richards.

**104. Pattern-Making.**

The use of the various tools used in pattern-making and moulding, including the wood-turning lathe. Each student will be required to make finished patterns of simple parts of machine castings, and also to construct skeleton patterns and sweeps for loam moulding.

**105. Railway Engineering.**

A course of lectures is given annually.

Fee for the course, £2 2s., or 14s. per term.

Preliminary surveys and location of a line of railway.

The setting out of circular and transition curves.

Limiting grades and curvature.

The design and methods of construction of cuttings and embankments.

The setting out and measurement of earthworks.

Drainage. Size of waterways.

Design of culverts and minor bridges.

Design and construction of tunnels.

The permanent way. Ballast. Sleepers Rails and rail fastenings. Specifications.

Switches and crossings.

Signals.

Types of locomotive and rolling stock.

Train resistance.

Railway economics.

REFERENCE BOOKS.—Railway Location: A. M. Wellington Railway Construction: W. H. Mills; Manual of Locomotive Engineering Pettigrew and Ravenshear.

**106. Surveying and Levelling.**

Subject defined. Measurement of distance. Gunter's chain, its use and defects. Steel tapes. Chaining on sloping ground. Conditions necessary for accurate work. Effects of temperature and sag, and corrections for the same. Tension required to eliminate sag. Base line measurements by standard bars and by wire ribands. Reduction to mean sea level. Stations and station lines. Field notes. Perpendicular offsets by chain, cross-staff, optical prism, and optical square. Oblique offsets. Chaining past obstacles. Chain surveying by triangulation. Tie lines. The magnetic

needle. Magnetic declination. Isogonic and agonic lines. Daily and secular variation. Magnetic storms. Local attraction. Magnetic and true bearing. Azimuth. The compass. Dip of needle and use of counterpoise. Influence of shape and method of support of needle upon its sensitiveness and reliability. The prismatic compass. Surveying with the compass. Elimination of local attraction. The miner's dial. Dialling. Construction of the theodolite. The vernier. The telescope. The reticule. Replacing broken cross wires. Examining the telescope for spherical and chromatic aberration. The achromatic lens. Parallax. The Ramsden eyepiece. The erecting and diagonal eyepieces. Adjustments of the transit and Y theodolites. Index error of the vertical circle. Elimination of instrumental errors in the measurement of angles. Eccentricity of verniers and of centres. Elimination of errors of graduation by repeating. Running a straight line. Setting out curves. The transition curve. Traversing by orientation and by deflection angles. Reducing the survey. Calculation of reduced bearings, latitudes and departures of courses, and total latitudes and total departures of stations. Use of traverse tables. Error of closure. Balancing the survey. Plotting the survey with protractor and by co-ordinates. Computing area of closed traverse by latitudes, departures, and meridian distances, and by rectangular co-ordinates. Correction to computed area for erroneous length of chain. Formulae for computing areas between station lines and irregular boundaries. Supplying missing data in a closed traverse. Problems on the subdivision of land. Stadia measurements. The Y and dumpy levels and their adjustments. Levelling. Corrections for curvature of the earth and for refraction. Elimination of errors of curvature, refraction, and collimation adjustment in the field. Bench marks. Allowable error. Reduced levels. Section levelling. Cutting and filling. The prismoidal formula. Area of three level section. Contouring large and small areas. Contour maps. Measurement of volumes for building sites, open cuts, reservoirs, grading, &c. Tunnelling. Surveying underground. Connecting underground and surface surveys. Mine survey problems. Mine plans. Definition of some astronomical terms. Altitude. Azimuth. Zenith distance. Declination. Hour angle. Right ascension. Mean and apparent time. Equation of time. Solar and sidereal time. Local time. Calculation of time of culmination of circumpolar stars. Simple determinations of latitude and longitude and location of the meridian.

### 108. Woodworking.

This is a course in practical carpentry intended to make the student familiar with the use of woodworking tools and to give him knowledge of the elementary principles of carpentry. It is intended as an introductory course to pattern-making.

## THE FACULTY OF LAW.

### ORDINARY SUBJECTS.

#### 1. LAW OF PROPERTY (Part I.)—(110).

- (a) Principles of the Law of Real and Personal Property.
- (b) Statutes: Nos. 8 of 1841 (Registration of Deeds); 15 of 1843; 25 of 1852; 5 of 1853, sections 163-165, 184-185; 6 of 1860; Settled Estates Acts, 1880 and 1889; Partition Act, 1881; Estates Tail Act, 1881; Real Property Act, 1886.

(c) Reports of cases specially prescribed in Lectures.

Text Books :—

Edwards' Law of Property in Land and Conveyancing (omitting Part II., Chaps. 2 and 4; Part III., Chaps. 5, 6, 7, and 9; Part IV., Chaps. 2, 3, 4, and 5; and Part V.).

Williams' Personal Property (omitting Part I., Chap. 4; Part II. with the exception of Chap. 7; Part III., Chap. 5; and Part IV.).

Book of Reference :—

Jenks' Modern Land Law.

## 2. LAW OF PROPERTY (Part II.)—(111).

(a) The following special subjects : Terms of years, Mortgages, Title, The Modern Conveyance, Trusts, Bills of Sale, Administration of Deceased Persons' Estates, Married Women's Property, Insolvency, and Companies.

(b) The following Statutes :—

The Distress for Rent Act, 1838.

The Landlord and Tenant Act, 1893 (No. 580).

The Trustee Acts, 1893 and 1907.

The Administration and Probate Acts, 1891 and 1904.

The Real Property Act, 1886.

The Bills of Sale Act, 1886, and No. 4 of 1855-6.

The Married Women's Property Acts, 1883-4, 1898, and 1902, so far as they relate to property.

The Insolvent Act, 1836.

Act No. 7 of 1862, Part II.

Act No. 8 of 1841 (Registration of Deeds).

The Companies Acts, 1892, 1893.

The Policies Protection Act, 1887.

(c) The reports of cases specially prescribed in lectures.

Text-books :—

Williams' Real Property

Williams' Personal Property

Strahan and Kenrick—Digest

of Equity

} The parts relating to the special subjects.

## 3. LAW OF CONTRACTS—(112).

(a) General Principles

(b) The Law as to the Sale of Goods, Negotiable Instruments, Agency, Partnership, Suretyship, Bills of Lading, Insurance, and Bailments

(c) The following Statutes :—

Married Women's Property Acts, 1883-4, 1898, 1902 (so far as they relate to Contracts)

Bills of Exchange Act, 1909 (Fed.)

Sea Carriage of Goods Act, 1901 (Fed.)

Limitation of Suits and Actions Act, 1866-7 (so far as it relates to Contracts)

Mercantile Law Amendment Act, 1861.

Sale of Goods Act, 1895

Partnership Act, 1891

Marine Insurance Act, 1909 (Fed.)

- (d) Reports of Cases specially prescribed in lectures.

Text-book :

Anson's Law of Contract.

4. LAW OF WRONGS—(113).

- (a) Law of Torts.

- (b) The following Statutes:—

Employer's Liability Acts, 1884 and 1889  
 Workmen's Compensation Acts  
 Lord Campbell's Act, 1865, and No. 17 of 1874  
 Companies' Act, 1892, Section 221  
 Law of Libel Amendment Act, 1895  
 Act to Amend the Law of Slander, 1865  
 Limitation of Suits and Actions Act, 1866-7, Sections  
 36, 37, 38, 47  
 Act, No. 6 of 1867, Sections 19, 20, and 24  
 Noisy Trades Act, 1898  
 Manufacturing Districts Act.

- (c) Criminal Law, so far as it relates to the following indictable offences:—Treason, Treason-felony, Rioting, Forcible Entry, Sedition, Piracy, Perjury, Nuisance, Homicide, Assault, Bigamy, Libel, Larceny, Embezzlement, False Pretences, Burglary, Conspiracy, Misappropriation, Forgery.

- (d) Outlines of Criminal Procedure in indictable offences

- (e) Reports of Cases specially prescribed in lectures.

Text-books :

Pollock's Law of Torts.  
 Kenny's Outlines of Criminal Law.

*NOTE.—The Law of Torts and the Law of Crimes are distinct subjects ; and Students are required to pass in each at the same examination.*

5. LAW OF EVIDENCE AND PROCEDURE—(114).

- (a) Principles of the Law of Evidence.

Statutes : No. 2 of 1852 ; 24 of 1855, sections 12-21, and 35-42 inclusive ; 13 of 1866 ; 10 of 1869 ; 162 of 1879 ; 245 of 1882 ; 435 of 1888.

State Laws and Records Recognition Act, 1901 (Fed.).

- (b) Procedure of the Supreme Court.

Supreme Court Acts. No. 5 of 1853 ; No. 24 of 1855-6 ; No. 3 of 1862 ; No. 8 of 1867 ; and No. 116 of 1878 ; with Rules of 1879, 1884, and 1893.

Intercolonial Debts Act, 1887.

Creditors' Remedies Act, 1880.

Service and Execution of Process Act, 1901 (Fed.).

Text-books :

Powell on Evidence (9th edition).  
 Stephen's Digest of the Law of Evidence.  
 Odgers' Principles of Pleading.

- (c) Procedure of the Local Court.

Local Courts Act, 1886.

## 6. CONSTITUTIONAL LAW—(115).

- (a) Outlines of the Constitutional History of England
- (b) Elements of English Constitutional Law
- (c) Relations of the Crown and Imperial Parliament to the Colonies and Dependencies
- (d) The Constitution of South Australia
- (e) The Constitution of the Australian Commonwealth
- (f) The Statutes and Cases specially prescribed in the course of lectures.

## Text-books:

Moore's The Constitution of the Commonwealth of Australia.  
Dicey's Constitutional Law.

## SPECIAL SUBJECTS.

## 1. LATIN—(2).

The same as prescribed for the first year of the B.A. Degree.

## 2. One subject of the course for the Ordinary Degree of Bachelor of Arts, exclusive of Latin and Jurisprudence.

## 3. ROMAN LAW—(116).

The course of lectures is given every second year, and is completed in one year. It will be given in 1913.

- (a) The historical development of Roman Law
- (b) The Roman Law under Justinian
- (c) The Law of Obligations

## Text-books:

To be specified in the University Calendar for 1913.

## 4. THEORY OF LAW AND LEGISLATION—(117).

The course of lectures is given every second year, and is completed in one year. It will be given in 1913.

## Text-books:

Brown's Austinian Theory of Law, and The Underlying Principles of Modern Legislation.

Bentham's Theory of Legislation, pp. 1-158.

## Books of Reference:

Salmond's Jurisprudence.

Green's Principles of Political Obligation.

## 5. PRIVATE INTERNATIONAL LAW—(118).

The course of lectures is given every second year, and is completed in one year. It will be given in 1912.

## Text-books:

Dicey's Conflict of Laws.

Nelson's Cases in Private International Law

## Book of reference:—

Westlake's Private International Law.

NOTE.—The following course of study is suggested to candidates for the Degree of Bachelor of Laws:—

## FIRST YEAR.

Law of Contract.  
One subject included in the B.A. Course.

## SECOND YEAR.

Law of Property (Part I.)  
Constitutional Law.

## THIRD AND FOURTH YEARS.

Law of Property (Part II.)  
Law of Wrongs.  
Roman Law.  
Private International Law.  
Theory of Law and Legislation.  
Law of Evidence and Procedure.

It is recommended that candidates for the Degree of Bachelor of Laws should not enter into Articles until after the completion of their first year's course at the University.

## FACULTY OF MEDICINE.

## FIRST YEAR.

**120. Elementary Anatomy.**

Fees for the Course, £8 8s.

*I. Descriptive Anatomy.*

Bones, Joints and Muscles, illustrated by osteological specimens and recent dissections.

Text-books recommended :

The Student's Cunningham.  
Anatomy, Descriptive and Surgical : Gray ; or  
Elements of Anatomy : Quain.

*II. Practical Anatomy.*

Daily attendance in the Dissecting Room from 9 to 5, except at lecture hours and on Saturday afternoons.

Text-books recommended :

Demonstrations of Anatomy : } The Student's Cunningham  
Practical Anatomy : } or Ellis.

**67. Physiology.**

This course of Physiology will extend over four terms, viz.:— the three terms constituting one academic year, and the first term of the following year. It will comprise the subject matter of the most recent editions of Halliburton's

Handbook of Physiology, Schäfer's Essentials of Histology, Halliburton's Essentials of Chemical Physiology, and the Professor's Lectures.

Students are required to attend :—

1. The Professor's lectures, the complete course of which will extend over the first and second terms of one year and the first term of the following year.
2. A practical course of Histology which will be held during the terms in which the Professor's lectures are delivered ; for this course every student must provide himself with a suitable microscope that shall be subject to the approval of the Professor.
3. A practical course of Physiological Chemistry, which will be held during the third term in each year.

### *Practical Examination.*

Each candidate must be prepared (1) to make, examine, and describe microscopical specimens of animal tissues and organs (2) To show a practical acquaintance with the chemistry of albumin and its allies, milk, the digestive juices and their actions, blood, urine, glycogen.

Also to show a practical acquaintance with the most important apparatus used in studying the physiology of muscle, nerve, the circulatory and respiratory system.

Text-books recommended :

The latest editions of

- Handbook of Physiology : Halliburton.
- Essentials of Histology : Schäfer.
- Essentials of Chemical Physiology : Halliburton.
- Essentials of Experimental Physiology : Brodie.

### **Organic Chemistry.**

Subject No. 51— vide page 171.

### **Physical Chemistry.**

Elementary Physical Chemistry : being the first terms lectures only of Theoretical Chemistry, Part I. of the B.Sc. Course (46).

Text-book :

Introduction to Physical Chemistry : Walker.

### SECOND YEAR.

#### **121. Anatomy.**

Fees for the Course, £8 8s.

#### *1. Descriptive Anatomy.*

This Course includes the subjects prescribed for the First Year, and in addition

Description of the Vascular and Nervous Systems, Organs of special sense and other viscera.

Text-books recommended, the same as for the first year.

**II. Practical Anatomy.**

Attendance, and Text-books recommended, as in first year.

**127. Materia Medica.**

Fees for the Course, £2 2s.

General and Special.

Text-book recommended :

Materia Medica : Hale White.

**67. Physiology.**

This course will extend over the first term of the second year. *See above under Physiology of the first year.*

**Practical Pharmacy.**

Instruction during a period of three months by some person approved by the Council.

**THIRD YEAR.****122. Principles and Practice of Medicine.**

Fees for the Course, £6 6s.

General and Special Diseases.

Text-books recommended :

Fagge's Principles and Practice of Medicine : Pye Smith.

Osler, W., Principles and Practice of Medicine, 6th edition.

**123. Lectures on Clinical Medicine—Clerkship.**

Fees for the Course, £2 2s.

**124. Principles and Practice of Surgery.**

Fees for the Course, £5 5s.

General and Special Diseases and Injuries.

Text-books recommended :

A Manual of Surgery : Rose and Carless.

Science and Art of Surgery : Erichsen

A System of Surgery (Treves) may also be consulted.

The instruction in Practical Surgery will include—

The Application of Splints, Bandages, &c.

Text-books recommended :

A Surgical Handbook : Caird & Cathcart.

**125. Lectures on Clinical Surgery.—Dressership.**

Fees for the Course, £2 2s.

**126. Regional and Surgical Anatomy.**

Fees for the Course, £6 6s.

(1) Regional Anatomy as applied to Surgery, and (2) surface Anatomy as applied to the Fine Arts.

Text-books recommended :

The Student's Cunningham.  
Regional and Surgical Anatomy : Berry.

Book of reference :

Campbell's Surgical Anatomy.

### 138 Elementary Bacteriology.

Fees for the Course, £3 3s.

*General Morphology and Biology.*

Form structure, motility, multiplication, spore-formation, chemical composition and classification of Bacteria; their nutrition and conditions affecting their growth; the results of their vital activity and their chemical products, &c.; their death and conditions pertaining thereto.

*Examination and Cultivation of Bacteria.*

Methods of Sterilization of vessels and instruments used; Preparation of various culture media; Cultivation of Bacteria; Separation of pure cultures; Filtration of cultures; Inoculation of animals; Examination under the microscope in hanging drop and film specimens; Staining of Bacteria spores, and flagella.

*Bacteriological Examination*

Of Air, Water, Milk, &c.

*Bacteria in relation to Disease.*

*Antisepsis and Asepsis.*

Demonstrations and practical applications, &c.

*General Bacteriological Diagnosis.*

Methods of obtaining, transferring, and examining material.

*Special Methods of Diagnosis.*

In certain pathogenic processes.

*Bacteriology.*

Of Suppuration and allied conditions, Tuberculosis, Diphtheria, Typhoid Fever, Plague, Anthrax, and Actinomycosis, &c.

### Dentistry.

To receive instruction from some person approved by the Council.

### Pathology.

To attend a course of lectures on Pathology. See subject No. 130 of Fourth year.

### Medical and Surgical Practice.

The Medical and Surgical Practice of the Adelaide Hospital during the academic year.

### Post Mortem Examinations.

## FOURTH YEAR.

**Medicine and Surgery.**

Lectures on the Principles and Practice of Medicine and Surgery :

*Lectures on Clinical Medicine.—Clerkship.*

Fees for the Course, £2 2s.

*Lectures on Clinical Surgery.—Dressership.*

Fees for the Course, £2 2s.

**130. Pathology.**

## LECTURES.

Fees for the Course, £2 2s.

The course includes

Attendance in the Dead House and *post mortem* examinations.

**A. Lectures on general Pathology :**

1. Retrograde tissue changes :  
Atrophy, Degeneration, and Necrosis.
2. General tissue reactions :  
Inflammation, Repair, and Hypertrophy.  
Morbid Tumours and New Growths.
3. General Circulatory Derangements, arterial and venous Hyper-  
aemia, Dropsy, Haemorrhage, Embolism, and Thrombosis.
4. Animal Parasites in man.
5. Lectures on Special Pathology, including the more important  
morbid conditions that may affect the principal organs and  
tissues.
6. Practical training in Elementary Histological Pathology.

**B. Naked eye and microscopical demonstrations in the above changes.**

Text-book recommended :

Coat's Pathology, revised by Sutherland or,  
Green's Morbid Anatomy, ed. by Stanley Boyd.

**THIRD AND FOURTH YEARS.**

## PRACTICAL WORK.

Fee for course, to be paid to the Hospital, £2 2s.

**A. POST-MORTEM EXAMINATIONS.**

These will be held at the Hospital Mortuary daily whenever material is available.

Notices will be posted on the Board at the Hospital if no autopsy is to be held.

Autopsies will be held when possible at 11.45 a.m.

All 3rd and 4th year students are to attend. A roll will be kept. The student whose case the subject was is expected to read the clinical notes and assist at the autopsy.

**THIRD YEAR ONLY.****B. CLINICAL AND MICROSCOPIC PATHOLOGY.**

Practical classes will be held at the Laboratory each Wednesday, from 2 to 4 p.m. All 3rd year students to attend.

This course will consist of the examination of

## I. Fluids of the body—

Urine, Blood, Gastric contents, Cerebro-spinal fluids;  
Morbid exudates—Pleural, Peritoneal, etc.

## II. Tissues—

## 1. General—

A. Degeneration and Necrosis.

B. Inflammation—Acute, Suppurative, Chronic,  
Syphilis, Tubercle.

## C. New growth—

a. Malignant—Carcinoma (Epithelioma,  
etc.), Sarcoma.

b. Benign—Papilloma, Lipoma, Fibro-  
ma, etc.

## 2. Special tissues—

Renal, Uterine (including scrapings), Hepatic, Car-  
diac, Vascular, Lymphatic, etc.

The above list merely includes general headings, and may be altered either in order or nature.

**128. Obstetrics.**

Fees for the Course, £3 3s.

Text-books recommended :

Manual of Midwifery : Eden.

Manual of Midwifery : Fothergill

**129. Forensic Medicine and Insanity.**

Fees for the Course, £4 4s.

Medical Evidence in general, and as bearing upon cases that may form the subject of a criminal trial, civil action, or coroner's inquest.

Text-books recommended :

Forensic Medicine (last edition) : Guy & Ferrier, or

Forensic Medicine : Dixon Mann.

Husband's Forensic Medicine (new ed. 9th).

The Physiology of Brain and its relations to Mental Disease.

Insanity, its diagnosis, varieties, causes, treatment, pathology, and the procedure for placing persons of unsound mind under care and treatment.

Text-book recommended :

Clinical Lectures on Mental diseases : Clouston, or

A Text Book of Insanity : Mercier.

**Post Mortem Examinations.**

**Medical and Surgical Practice.**

The Medical and Surgical Practice of the Adelaide Hospital during the academic year, and the Hospitals for the Insane during three months.

*Practical Midwifery.*

(Twenty cases if possible.)

## FIFTH YEAR'S COURSE.

**Medicine and Surgery.**

Lectures on all branches of Medicine and Surgery, including Clinical Medicine, Clinical Surgery, and Surgical Anatomy.

**131. Operative Surgery.**

Fees for the Course, £4 4s.

Operations on the dead body.

Text-book recommended :

Students' Manual of Operative Surgery : Treves.

Alternative :—

Operative Surgery : Binnie. 4th ed. 1910. P. Blakiston, Son & Co., Philadelphia.

**132. Gynæcology.**

Fees for the Course, £3 3s.

Diseases of the Female Organs of Generation.

Text-book recommended :

Penrose's Diseases of Women (new ed.).

Dudley's Diseases of Women (new ed.).

**133. Ophthalmology.**

Fees for the Course, £3 3s.

Injuries of the Eye and its appendages.

Diseases of the Eyelids, Conjunctiva, and Lachrymal apparatus.

Diseases of the Eyeball including Glaucoma, Amblyopia, and functional Disorders of Vision.

Refraction.

Affections of the Ocular Muscles.

Colour Vision and its defects.

Text-book recommended :

Ophthalmic Surgery and Medicine : Walter H. Jessop. 2nd ed.

**134. Otology.**

Fees for the Course, £2 2s.

Anatomy and Physiology of the Ear shortly considered.

Injuries and diseases of the auricle.

Diseases of External Auditory Canal, including foreign bodies in the Ear.

Diseases of the Membrana Tympani and Tympanum and their consequences.

Diseases of Naso-Pharynx and Eustachian Tube.

Diseases of the Inner Ear.

Text-book recommended :

Diseases of the Ear and Naso—Pharynx : T. M. Hovell.

The following work may also be consulted :

Text-book of Diseases of the Ear : Politzer.

### 135. Elements of Hygiene.

*Air*—Composition—impurities and contaminations. Ventilation (natural and artificial)—warming. *Water*—Sources—composition—impurities and contaminations—amount—collection, storage and distribution—purification—interpretation of results of microscopical, chemical, and bacteriological examination. *Soil*—Temperature, moisture, ground-air—composition—contaminations and disease—nitrication. *Buildings*—materials, construction, situation and orientation—accessories and surroundings—inspection of houses—hospitals—schools. *Removal of Refuse*—Dry and water-carriage systems—disposal. *Disposal of the Dead*—Burial—cremation. *Foods*—Classification—dietaries—diet and morbid conditions—adulteration of food—foods and disease. *Meteorology*—Climatic phenomena—weather maps. *Animal parasites*. *Infective Diseases*—Infection—disinfection—prevention. *Vital statistics*—Population, births, deaths, and diseases. *Sanitary law*—The Health, Vaccination, Food and Drugs, and Quarantine Acts and Regulations in force in South Australia.

Text-book recommended :

Hygiene and Public Health : by Whitelegge & Newman. (Cassell.)

The following works may also be consulted :—

Theory and Practice of Hygiene : by Notter & Firth. (Churchill.)

Vital Statistics : Newsholme. (Sounenschein.)

Sanitary Law and Practice : by Robertson & Porter. (Sanitary Publishing Co.)

### Vaccination.

Fee for the Course, £1 1s.

### 136. Therapeutics.

Fees for the Course, £4 4s.

General and special.

Text-books recommended :

Mitchell Bruce : *Materia Medica and Therapeutics*.

Sir Lauder Brunton : *Action of Medicine*.

Hare : *Therapeutics*.

Sainsbury : *Principia Therapeutica*.

*Lectures on Clinical Medicine—Clerkship.*

Fees for the Course, £2 2s.

*Lectures on Clinical Surgery—Dressership.*

Fees for the Course, £2 2s.

*Gynaecology—Clerkship and Dressership.*

*Ophthalmology—Clerkship and Dressership.*

**137. Diseases of Children.**

Fees for the Course, £2 2s.

Text-books recommended :

Medical Diseases of Infancy and Childhood : Dawson Williams.

Surgical Diseases of Children : Edmund Owen.

Lectures on Diseases of Children : Hutchison.

*Medical and Surgical Practice*

Of the Adelaide Hospital during the Academic Year.

**Practical Midwifery.**

(If not completed in fourth year).

**Vaccination and Anaesthetics.**

Instruction in Vaccination and the administration of Anaesthetics.

**FACULTY OF MUSIC.****FIRST YEAR'S COURSE.****150. ACOUSTICS AND MUSICAL THEORY.**

Sensation and external cause of Sound. Mode of its transmission. Nature of wave-motion in general. Application of the wave-theory to Sound. Elements of a musical sound. Loudness and extent of vibration. Pitch and rapidity of vibration. Measures of absolute and of relative pitch. Resonance. Analysis of compound sounds. Helmholtz's theory of musical quality. Motion of sounding strings. The pianoforte and other stringed instruments. Motion of sounding air-columns. Flute and reed stops of the organ. Orchestral wind instruments. The human voice. Interference. Beats. Helmholtz's theory of consonance and dissonance. Combination-tones. Consonant chords. Construction of the musical scale. Exact and tempered intonation, Equal temperament.

Text-book recommended :

Tyndall's "Sound."

**151. HARMONY.**

All details of usual notation—Ear tests—All harmonic combinations usual in part writing of not more than four parts.

The addition of not more than three parts to a figured bass. The harmonization of melodies in not more than four parts, i.e. by the addition of not more than three other parts.

**152. COUNTERPOINT.**

Simple counterpoint. All species in not more than four parts.

Text books recommended :

A Course of Harmony (Bridge and Sawyer).

The Art of Counterpoint (Kitson).

**153. HISTORY OF MUSIC.**

A general knowledge of the character of the various forms of Music composed between the years 1600 and 1850.

Text-books recommended :

Parry's "Summary of Musical History" (Novello).

Parry's "The Evolution of the Art of Music."

**154. PIANOFORTE PLAYING.**

List of pieces to be played by first year students.

(a) Scales. Any major, minor or chromatic scale with each hand separately and both hands together an octave apart

(b) Arpeggios. The arpeggios of all major and minor common chords and their inversions, with each hand separately and both hands an octave apart

(c) Bach. Any three movements from the "French Suites."

(d) Beethoven. Sonata in G major (Op. 14, No. 2). 1st and 2nd movements.

(e) Reading at sight.

To qualify in Ear Tests :

Candidates will be required to state the name or names of an Interval or Intervals within the limits of a major ninth played on the Piano-forte, and in each case the name of one of the two notes forming the interval being supplied to the candidate, he will be required to state the name of the other.

In each case the two notes forming the interval will be sounded simultaneously and also immediately after one another.

**155. ORGAN PLAYING.**

List of pieces to be played by first year students.

(a) Scales. Any major, minor or chromatic scale with hands alone or with feet alone and with hands and feet together

(b) Arpeggios. The Arpeggios of all major and minor common chords in all positions with hands alone or feet alone and with hands and feet together

(c) Stainer's Organ Primer (Novello) Nos. 88 and 93

(d) J. S. Bach. Prelude and Fugue in F major No. 4 of "Acht Kleine Praeludien und Fugen"

(e) Playing at sight.

To qualify in Ear Tests :

Candidates will be required to state the name or names of an Interval or Intervals within the limits of a major ninth played on the Organ, and in each case the name of one of the two notes forming the interval being supplied to the candidate, he will be required to state the name of the other.

In each case the two notes forming the interval will be sounded simultaneously and also immediately after one another.

Candidates will further be required to distinguish the following chords when played upon the Pianoforte or Organ:—Major common chord, Minor common chord, chord of the dominant seventh.

### SECOND YEAR'S COURSE.

#### 156. HARMONY.

Part writing in not more than five parts:  
Harmonization of basses (figured and unfigured) and of melodies.

#### 157. COUNTERPOINT.

Simple and Combined. All species in not more than four parts.

158. { DOUBLE COUNTERPOINT at the Octave, Tenth and Twelfth.  
CANON in two parts.  
FUGUE in not more than four parts.

Note.—In the examination candidates may be required to write original composition of an elementary character.

#### 159. HISTORY AND LITERATURE OF MUSIC, FORM AND ANALYSIS.

History of the Scale, of Counterpoint, Harmony, and of form in Composition.

Text-books recommended :

- Prout's "Harmony."  
Prout's "Counterpoint, Strict and Free."  
Prout's "Double Counterpoint and Canon."  
Higgs' "Fugue."

Works of reference recommended :

- Ellis's translation of Helmholtz's "Die Lehre von den Tonempfindungen"; Prout's "Musical Form"; Parry's Articles:—"Harmony" and "Form" in Grove's Dictionary of Music.

#### 160. SINGING.

Candidates will be required to—

- (a) Sing any major, minor or chromatic scale
- (b) Sing Arpeggios of common chords and of Dominant Sevenths
- (c) Sing two studies selected from a list obtainable from the Registrar
- (d) Sing two pieces selected from lists obtainable from the Registrar
- (e) Sing at sight.

#### 161. PIANOFORTE PLAYING

- (a) Play any major, minor or chromatic scale with each hand separately and both hands together, a third, sixth octave or a tenth apart
- (b) Play Arpeggios of common chords and Dominant Sevenths with their inversions with each hand separately and both hands together an octave apart.
- (c) Play two studies selected from a list obtainable from the Registrar.
- (d) Play two pieces selected from a list obtainable from the Registrar.
- (e) Play at sight.

**162. ORGAN PLAYING.**

- (a) Play any major, minor or chromatic scale
- (b) Play Arpeggios of common chords and of Dominant Sevenths  
The scales and arpeggios to be played with the hands and feet separately or together
- (c) Play two studies selected from a list obtainable from the Registrar
- (d) Play two pieces selected from lists obtainable from the Registrar
- (e) Play at sight
- (f) Answer questions on the pitch and quality of organ stops: and on the combination of the various stops.

**163. VIOLIN PLAYING.**

- (a) Play any major, minor or chromatic scale
- (b) Play Arpeggios of common chords and of Dominant Sevenths
- (c) Play two studies selected from a list obtainable from the Registrar
- (d) Play two pieces selected from lists obtainable from the Registrar
- (e) Play at sight.

**164. VIOLONCELLO PLAYING.**

- (a) Play any major, minor or chromatic scale
- (b) Play Arpeggios of common chords and of Dominant Sevenths
- (c) Play two studies selected from a list obtainable from the Registrar
- (d) Play two pieces selected from lists obtainable from the Registrar
- (e) Play at sight.

**The List of Studies and Pieces for 1912 are as follows:**

**160. SINGING.**

## SOPRANO.

*Studies*—Concone, 25 lessons, Op. 10, Nos. 13 and 17.

*Songs* — Mozart, "The Violet."

Sullivan, "Orpheus with his Lute."

## CONTRALTO.

*Studies*—Concone, 40 lessons for deep voices, Op. 17, Nos. 27 and 33.

*Songs* — Bennett, W. S., "O Lord, Thou hast searched me out"  
(Woman of Samaria).

Schubert, "The Young Nun."

## TENOR.

*Studies*—Concone, 25 lessons, Op. 10, Nos. 13 and 17.

*Songs* — Mendelssohn, Recit., "Ye People."

Air, "If with all your hearts."

Tours, "Stars of the Summer Night."

## BASS.

*Studies*—Concone, 40 lessons for deep voices, Nos. 27 and 33.

*Songs* — Haydn, "Now Heaven in Fullest Glory."

White, M. V., "The Devout Lover."

**161. PIANOFORTE PLAYING.***Studies*—Cramer. Any two studies.

Moscheles. Any one study from Op. 70.

*Pieces*—Beethoven. Sonata in D (Op. 10, No. 3). 1st and 2nd movements.

Schubert. Impromptu in E flat.

Chopin. Mazurka (Op. 17, No. 4).

**162. ORGAN PLAYING.***Studies*—Bach, Prelude and Fugue C minor, No. 5, Book 4 (Peters).*Pieces*—Mendelssohn, Sonata in C minor.**163. VIOLIN PLAYING.***Studies*—Kreutzer, Nos. 3 and 17.*Pieces*—Beethoven, Romance in F.

Rode, Air, Varie in G.

**164. VIOLONCELLO PLAYING.—***Studies*—Dotzauer, Op. 120, Nos. 13 and 16.*Pieces*—Goltermann, Concertstück, Op. 65.

Romberg, Concertino, Op. 51.

## THIRD YEAR'S COURSE.

**165. PRACTICAL HARMONY AND COUNTERPOINT, each in not more than five parts.**

- 166.** { **DOUBLE COUNTERPOINT.**  
 CANON, in not more than three parts.  
 FUGUE, in not more than five parts.

- 167.** { **MUSICAL HISTORY AND FORM.**  
 The various forms employed in musical composition and the History of their development.  
 { **INSTRUMENTATION.**

A knowledge of the compass, capabilities and characteristics of the various instruments employed in a modern orchestra, singly and in combination with one another.

Arranging for full Orchestra.

Note.—Candidates may be required to write original Composition in the examination in working papers in the above-named subjects.

**168. MUSICAL LITERATURE.**

Candidates may be required to illustrate their answers in the foregoing subjects by reference to the standard classical compositions and to show a critical knowledge of the full scores of the following classical works :—

Bach, "Ich hatte viel Bekümmernis."

Beethoven, "Symphony in A, No. 7."

Books of reference recommended :

Prout's "Fugue."

Prout's "Applied Forms."

Prout's "The Orchestra"

Berlioz's "Instrumentation."

## DIPLOMA IN COMMERCE.

The University has instituted a Diploma in Commerce in place of the Advanced Commercial Certificate. The subjoined *Regulations* and *Syllabus* set out the curriculum. Students may take the subjects of study in any order, and there is no restriction regarding the number of subjects that may be taken at one time. The *Time-tables* on page 10 show the lectures to be given each year, and recommend an order of study according to the year in which a student enters on the course. It will be seen that the course may be completed in four years. Two of the six courses, viz., in Accountancy and in Economics extend over two years; the others are completed in one year. In all courses the lectures are given once a week during the three terms of the University session. In Accountancy each lecture occupies two hours, in Commercial Law an hour and a quarter, in the other subjects one hour. The lectures in every subject are open to those who do not wish to study for the Diploma. There is no entrance examination. It is essential that intending students should order their text books three months before the opening of the session, as the booksellers do not keep them in stock.

## REGULATIONS.

\*I. There shall be a Diploma in Commerce, to obtain which candidates shall attend lectures and pass examinations in the undermentioned subjects, viz. :—

1. Business Practice.
2. Accountancy.
3. Commercial Law.
4. Economics and Commercial History.
5. Banking and Exchange.
6. Commercial Geography and Technology.

The following is hereby added to the Regulations of the Diploma of Commerce :—

II. There shall be a final examination at the end of the course of lectures in each subject. Written or practical work done by candidates by direction of the Professors or Lecturers, and the results of terminal or other examinations in any subject, may be taken into consideration at the final examination in that subject.

III. Candidates shall enter at least one month before the date fixed for the examination, and must present certificates showing that they have attended the prescribed lectures, and have done written or other work (if required) to the satisfaction of the Professors and Lecturers.

\*III.A. Candidates who have passed the prescribed examinations shall be awarded the Diploma, and shall be designated Associates in Commerce of the University of Adelaide.

IV. The following fees shall be paid in such instalments as the Council shall from time to time determine, each instalment being payable in advance :—

FOR LECTURES.				
1. Business Practice	...	...	...	£1 11 6
2. Accountancy	..	...	...	4 4 0
3. Commercial Law	...	...	...	2 2 0
4. Economics and Commercial History	...	...	...	2 12 6
5. Banking and Exchange	...	...	...	1 11 6
6. Geography and Technology	...	...	...	1 11 6
				13 13 0
FOR EXAMINATION.				
For each subject, 5s.	Total	...	...	1 10 0
For Diploma	..	...	...	1 1 0
				1 1 0
	Total	...	...	£16 4 0

\* Allowed 1st April, 1908.

- V. Schedules defining, as far as may be necessary, the range of study, lectures, and other work and examinations, shall be drawn up by the Council, and published not later than January in each year.
- \* VI. Candidates may be excused attendance at lectures on any subjects in which they desire to be examined, but only upon special grounds approved by the Council.
- Candidates exempted from attendance at lectures in any subject shall, in addition to the examination fee, pay half the lecture fee for that subject during such period of exemption.
- VII. Candidates who have passed equivalent examinations, and desire to count them towards the Diploma, may be granted such exemption from the requirements of these regulations as the Council may determine.
- VIII. A Candidate who has passed the University Examination in any subject of the courses prescribed for the B.A., B.Sc., and LL.B Degrees, may have the fact recorded on his Diploma.
- IX. Whenever the number of students desiring to attend lectures in any subject is smaller than a minimum fixed by the Council, the lectures upon that subject may be omitted altogether or discontinued.
- X. Any holder of an Advanced Commercial Certificate under the old Regulations may surrender his Certificate and obtain the Diploma in Commerce upon passing an additional examination prescribed by the Council, in Economics and Commercial History. But such examination must be passed in or before the year 1910.

*\* Allowed 21st December, 1910.*

*Allowed 12th December, 1907.*

**NOTE.—Holders of the Diploma may use the letters A.C.U.A.**

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## DIPLOMA IN COMMERCE.

### 1. BUSINESS PRACTICE.

Lecturer—MR. B. D. COLVIN, M.A.

The Course, consisting of about 30 lectures, is given every other year, and is completed in one year; it will be given in 1913. Each lecture lasts for one hour.

Fee, 10s. 6d. per term.

It deals with :

Office organization ; explanation of principles ; methods of central and departmental control ; duties and responsibilities of principals and assistants ; illustrations in the case of typical trades, their routine and emergency work exemplified ; business correspondence, with examples of letters and minutes on important matters under different headings.

Mercantile terms, phrases, documents, and forms ; definitions and explanations of terms, phrases and abbreviations or initials, etc., in common usage in various classes of business—trading, financial, agency, etc. Explanation of the objects and principal clauses of ordinary documents or forms relating to shipping, insurance, mercantile and agency contracts, assignments, etc.

Principles and procedure of different business undertakings, *i.e.*, Insurance (life, fire, and marine), Agency (stock and station, land agency, auctioneers, sharebrokers), Building and Co-operative Societies and others.

The constitution and business control of partnerships and registered companies, the duties of company secretaries.

The functions of commercial travellers, of chambers of commerce, of trade advertising. The business transactions relating to the sale of goods and to the sale, purchase, and tenancy of land.

The principles and practice of mercantile arbitrations as adopted by the voluntary arbitration board of the Adelaide Chamber of Commerce.

Text-books recommended :

Pitman's *Business Man's Guide*.

Warren : *Commercial knowledge*.

### 2. ACCOUNTANCY AND AUDITING.

Lecturer—MR. B. D. COLVIN, M.A.

The course consists of about 60 lectures, and begins every other year, and is completed in two years. Each lecture lasts for two hours. A new course will begin in 1912. The present course will be continued on Thursday evenings, at 7.30. The lecturer assumes that the students have already a knowledge of

book-keeping, up at least to the standard of the Junior Commercial Examination conducted by the Public Examinations Board of the University.

Fee, 14s. per term, and a charge of 1s. 6d. per term is made for examples.

Synopsis of topics :

Brief historical and general introduction to the subject of Accountancy; development of its methods from simple bookkeeping to advanced accounting records traced. Various forms of books of account in use shown and illustrated by entries, including the correct employment of the journal in modern accountancy. The system of separate balancing of ledgers explained and exemplified. Instruction given in the various forms of account suited to different businesses, including single traders, partnerships, executorship, assigned and insolvent estates, insurance companies, banks, companies of various classes (mining, trading, financial, etc.) from opening to liquidation, manufacturers and contractors' cost accounts explained.

Theoretical instruction on the above with full notes on principles and methods is alternated with practical work by means of numerous exercises and examples.

No text-books are prescribed, but reference to the following is recommended :

L. Dicksee : *Bookkeeping for Accountancy Students.*  
 L. Dicksee : *Advanced Accountancy.*  
 Dawson : *Accountant's Companion.*  
*Australian Manual of Accountancy and Commercial Law.*

The sixth and last term of the course is allotted to the subject of Auditing, in which the instruction includes notes on the duties, responsibilities, and qualifications of auditors, programmes of audit of various classes of businesses, the treatment of general and special points arising in different audits, definitions of auditing, etc., and the auditing criticism of defective or erroneous balance sheets on examples.

Text-book recommended : L. Dicksee : *Auditing.*

### 3. COMMERCIAL LAW.

Lecturer—MR. P. E. JOHNSTONE, B.A., LL B.

The course, consisting of about 30 lectures, is given every other year, and is completed in one year. Each lecture lasts about an hour and a quarter. A new course will be given in 1913.

Fee 14s. per term.

The lectures will deal with the general principles of the law of contracts, as well as with the following :

Negotiable Instruments. Sale of goods. Insurance. Carriage of goods and bills of lading. Commercial agency. Insolvency. Partnership. Companies. Securities. Employers' liability. Workmen's compensation. The factories acts.

## 4. ECONOMICS AND COMMERCIAL HISTORY.

Lecturer—PROFESSOR MITCHELL, M. A., D. SC.

The course in Economics consists of about 50 lectures, extends over five terms, and begins every other year. The next course will begin in 1913. The class will meet for an hour on Monday evenings at 7.30.

Fee, 10s. 6d. per term.

Economic doctrine is concerned with the theory of values and its application to the consumption, the production, and the distribution of wealth, and with public policy in reference to these. This will occupy three terms of the course, the other two will be occupied with public finance and an outline of economic history.

## TEXT-BOOKS.

First Year :—

Marshall, *Economics of Industry*.

Hobson, *The Evolution of Modern Capitalism* (new edition).

Second Year :—

Plehn, *Public Finance*.

Buxton, *The Arguments on either side of the Fiscal Question*.

Day, *History of Commerce*.

*Official Yearbook of the Commonwealth*.

## 5. BANKING AND EXCHANGE.

Lecturer—MR. W. NEILL.

This course consists of about 30 lectures, and is given every other year, and is completed in one year. It will be given in 1912, and the class will meet on Tuesday evening at 8.15. Fee, 10s. 6d. per term. It will deal with the following, *inter alia* :

Money, its functions and attributes. The coinage. Conditions under which paper money is justified. Money and instruments of credit as media of exchange. The term "currency" and the extent to which it is applicable. Standards of value. Gold and prices. The uses and proper limitations of credit. Financial crises.

The Foreign Exchanges. International indebtedness and modes of settlement. Rates of Exchange.

Cheques, endorsements, crossings, &c. Forms of bills of exchange and promissory notes; duties and liabilities of respective parties thereto. Presentment, notices of dishonour, notarial protests, &c. Letters of credit.

History and development of banking. Constitution and functions of present day banks. The Bank of England. British banking and gold reserves. European, American, and Australian banking systems. Regulation of note issues in various countries. Clearing Houses. Laws relating to Bankers.

## TEXT-BOOKS.

Sykes : *Banking and Currency*.

The Commonwealth *Coinage Act* (No. 6 of 1909).

The Commonwealth *Bills of Exchange Act* (No. 27 of 1909).

## 6. COMMERCIAL GEOGRAPHY.

Lecturer—MR. R. J. M. CLUGAS, B.A.

This course consists of about 30 lectures, is given every other year, and is completed in one year. It will be given in 1912.

Fee 10s. 6d. per term.

The work of the course will be covered partly by text-book, partly by lecture, and partly by practical work and discussion. The following is an outline of the subject-matter of the course, together with a sketch of the practical work, and a note of certain books desirable for reference and reading.

## (a) GENERAL.

*Environment.* Influence of physiographical, biological, social, and political controls upon the production, distribution, and exchange of commodities.

*Industry.* Classification of industries. Development from simple unorganized industries to the present complex industrial systems.

*Commerce.* Internal and external trade. Transport and communication. Routes and rates.

## (b) SPECIAL.

*Materials of Commerce.* Principal raw and manufactured materials. Producing and consuming countries. Certain leading manufacturing industries, including the textiles and iron and steel, will be treated somewhat in detail.

*Regional.* Industry and commerce of the chief countries entering into commercial relations with Australia.

(c) PRACTICAL WORK. The main principles of statistics, and the plotting out and explanation of statistical tables. Sketch-maps illustrating the geographical facts of the course, especially in connection with the distribution of materials of commerce. Bibliography of technical and official publications, and practice in using them. Essays on set topics.

## (d) TEXT-BOOKS.

Taylor, G. *Australia in its physiographic and economic aspects*. Clar. Pr. 3s. 6d.

*Official year book of the Commonwealth of Australia.* Latest edition. 3s. 6d.

The following is a list of books suggested as suitable for reference or for further reading. The more expensive may be consulted at the University Library and at the Public Library.

Chisholm, G. G. *Handbook of commercial geography.* Longmans. 15s. net.

Unstead, J. F., and Taylor, E. G. R. *General and regional geography for students.* Philip & Son. 6s.

- Gregory, Keller, and Bishop. *Physical and commercial geography*. Ginn.
- Kirchoff, A. *Man and the earth: the reciprocal relations of man and his environment*. Routledge. 1s. net.
- Fisk, G. M. *International commercial policies*. Macmillan. 5s. net.
- Cooley, C. H. *Theory of transportation*. Amer. Econ. Assoc.
- Bartholomew, J. G. *Atlas of the world's commerce*. Newnes. 21s. net.
- Statesman's yearbook*. Macmillan. 10s. 6d. net per annum.
- Trade and customs and excise revenue of the Commonwealth of Australia*.
- Ashley, W. J. *British industries*. Longmans. 5s. 6d. net.
- Shadwell, A. *Industrial efficiency: a comparative study of industrial life in England, Germany, and America*. Longmans 6s. net.
- Dawson, W. H. *Evolution of modern Germany*. Unwin. 10s. 6d. net.

## TIME TABLES.

## 1. The following are the courses of lectures for the next few years:—

- 1912—Accountancy I., Economics II., Banking, Geography  
 1913—Business Practice, Accountancy II., Commercial Law,  
 Economics I.  
 1914—Same as in 1912.  
 1915—Same as in 1913.

## 2. The following is the order in which students are recommended to take up the subjects of the course according to the year in which they enter upon it:

## (a) If they began in 1911:

- 1911—Business Practice, Commercial Law.  
 1912—Accountancy I., Banking (or Geography).  
 1913—Accountancy II., Economics I.  
 1914—Economics II, Geography (or Banking).

## (b) If they begin in 1912:

- 1912—Accountancy I., Banking (or Geography).  
 1913—Accountancy II., Economics I.  
 1914—Economics II., Geography (or Banking).  
 1915—Business Practice, Commercial Law.

## (c) If they begin in 1913:

- 1913—Business Practice, Commercial Law.  
 1914—Accountancy I., Banking (or Geography).  
 1915—Accountancy II., Economics I.  
 1916—Economics II., Geography (or Banking).

**NOTE.—The examination papers are published with the degree papers in a separate volume.**

**SPECIAL COURSE IN BOTANY.****Syllabus for 1912.**

A course of about 36 Lectures and demonstrations on Botany will be delivered twice a week, during the second and third terms.

Fee for the course, £4 4s. ; or £2 2s. per term.

The course will comprise the following subjects :—

The general structure and physiology of a flowering plant :

1. The constituents, contents, and mode of development of elementary vegetable tissues
2. The general characters, functions, and modifications of the organs of plants
3. Nutrition, transpiration, respiration, growth, irritability
4. Reproduction, ovule, fertilization, fruit, seed, germination.

*The botanical characters of the following natural orders :—*

Ranunculaceae, Cruciferae, Caryophyllaceae, Malvaceae, Rutaceae, Papaveraceae, Amarantaceae, Chenopodiaceae, Leguminosae, Myrtaceae, Rosaceae, Epacridae, Boraginaceae, Scrophulariaceae, Proteaceae, Labiatae, Solanaceae, Compositae, Umbelliferae, Goodenoviae, Campanulaceae, Coniferae, Cyperaceae, Liliaceae, Amaryllidaceae, Orchidaceae, Gramineae.

*Practical work.*

Candidates must be prepared—

1. To describe in botanical terms such plants or parts of plants as may be submitted to them
2. To prepare, identify, or describe microscopical specimens of vegetable tissues and organs
3. To refer to their natural orders, examples illustrative of those above enumerated
4. With the aid of Tate's "Flora of South Australia" to refer to its proper natural order any plant indigenous to South Australia.

For the purpose of promoting a practical acquaintance, under natural conditions, with the specified orders and indigenous flora generally, opportunities will be taken during the course of visiting the Botanic Gardens and country in the neighbourhood.

Text-books recommended :—

*For Class Work—*

Botany for Matriculation : F. Cavers (Tutorial Press).  
 Introduction to Botany : Dendy & Lucas.  
 Flora of South Australia : Tate.  
 Naturalised Flora of South Australia : J. M. Black.

*For reference—*

Text-book of Botany : Strasburger.  
 Natural History of Plants : Kerner von Marilaum, translated by Oliver.  
 Experiments with Plants : W. J. V. Osterhout.

## EVENING CLASSES.

The University possesses a small endowment for the encouragement of students who are unable to attend lectures during the day. The Council has accordingly made the following arrangements:—

1. Full courses of Lectures and practical work in Arts and Science may be given in the evening or late in the afternoon when there is an adequate demand, and when the work is of a kind that can be adequately studied in the evening. A reference to the Annual Report in Part V. of the Calendar will show intending students what evening courses were given during the past session. Intending students should also consult with the Dean of the Faculty in which they propose to study.

The Education Department has established Studentships for the encouragement of such students (for details see Evening Studentships, p. 250), and the Council admits students of the School of Mines, and students of the Pharmaceutical Society, at a reduced fee.

## EXTENSION LECTURES.

3. The Council has also instituted short courses of lectures, called Extension Lectures in Arts and Science, at a nominal fee. Public intimation of these lectures is made from time to time during the session.

The following courses will be given at the University in 1912:—

Three Lectures by Professor Henderson ; three by Professor Kerr Grant ; and three by Mr. W. Howchin.

## RULES FOR THE UNIVERSITY LIBRARY.

### I. OPENING AND CLOSING OF THE LIBRARY.

1. The Library shall be open on Week Days from 9 a.m. to 5 p.m., except on Saturdays, when it shall be open from 9 a.m. to 1 p.m.

2. The Library shall be closed on Sundays, on Public Holidays, and on such other days, and at such other times, as the Council may direct, previous notice of such closing being given.

### II. PERSONS ENTITLED TO ADMISSION FOR READING PURPOSES.

1. The following persons shall be entitled to use the Library for reading purposes:—

- (1). Past and Present Members of the University Council.
- (2). Officers of the University.
- (3). Graduates of the University, including those who have been admitted *ad eundem gradum*.
- (4). Students attending lectures at the University, subject to the Rules in Section III.
- (5). Other persons, subject to the Rules in Section IV.

### III. RULES FOR THE ADMISSION OF STUDENTS WHO ARE NOT GRADUATES.

1. Any student wishing to make use of the Library shall apply to the Librarian for a ticket, entitling the holder to admission to the Library for one year.

2. Such ticket can be either cancelled or temporarily withdrawn at any time by the Library Committee if the holder shall have been guilty of improper conduct in the Library.

### IV. RULES FOR THE ADMISSION OF OTHER PERSONS.

1. Persons, other than those already specified, who are desirous of using the Library for purposes of study may, on application to the Council, receive a ticket entitling them to the use of the Library for a fixed period of time.

Any Member of the Library Committee may grant admission to the Library until next meeting of the Council.

## V. PERSONS ENTITLED TO BORROW BOOKS FROM THE LIBRARY.

The following persons shall be entitled to borrow books from the Library :—

- (1). Members of the Council.
- (2). Officers of the University.

## VI. RULES FOR BORROWING BOOKS.

1. Any book can be borrowed from the Library with the exception of those classed as works of reference and such others as may be set apart. In all such cases special leave must be obtained from the Council before the book can be borrowed.

2. The title of any book borrowed, and the date of borrowing, must be entered at the time by the officer in charge, in a book provided for the purpose.

3. Books borrowed must be returned within one month of the date of issue, and all books must be returned before the day appointed for cleaning and examining the Library.

4. Those infringing Rule 3 shall be fined a shilling a volume for the books which they have failed to return, after being warned by the Librarian.

5. The borrower shall restore the volume in the same condition in which he received it (fair wear and tear excepted), and shall be liable for any damage it may have received in his keeping.

## VII. RULES FOR THE CONDUCT OF READERS IN THE LIBRARY.

1. The use of pens and ink in the Library is strictly prohibited, except at tables set apart for the purpose.

2. Readers who are not entitled to borrow books are strictly forbidden to remove them from the Library.

3. Readers, other than Members of the Council and Officers of the University, must, after consulting books, leave them on one of the tables, and not restore them to the shelves.

4. Readers causing any damage in the Library, or behaving in such a way as to interfere with the comfort of other readers, shall incur the penalty of a fine, the amount to be fixed by the Board of Discipline, or may be excluded from the Library by the Librarian or officer in attendance, and may be further deprived of the use of the Library for such term as the Council may determine.

## VIII. RULES FOR CONSERVATORIUM LIBRARY.

1. The Rules of the University Library are to apply to the Conservatorium Library, except with regard to borrowing.
2. Students may borrow copies of music or books (except those mentioned in Rule 10) on the written recommendation of a teacher of the Conservatorium.
3. Students must return copies of music or books within a fortnight of the date of issue, but such students have the right of renewal at the end of that time, provided no other application has been received.
4. No student is to have possession of more than two copies of music or two books.
5. Teachers can borrow any copies of music or books, except those mentioned in Rule 10.
6. Teachers must return copies of music or books within a month of the date of issue, but such teachers have the right of renewal at the end of that time, provided no other application has been received *from a teacher*.
7. Those infringing Rule 3 or 6 shall be fined a shilling per volume for the copies of music or books they have failed to return after having been warned by the Librarian.
8. The borrower shall restore the copy of music or book in the same condition in which he received it (fair wear and tear excepted), and shall be liable for any damage it may have received while in his keeping.
9. The title of the book borrowed, the name of the borrower, and the dates of borrowing and return shall be entered at the time by the officer in charge in a book provided for the purpose.
10. Books classed as works of reference may not be borrowed by the students; they may be borrowed by teachers, but special leave must first be obtained from the Council.

## RESOLUTIONS CONCERNING THE COMMEMORATION OF UNIVERSITY ALUMNI.

Whereas it is desirable that the University shall commemorate any of its alumni who shall have achieved marked distinction, it is hereby resolved that :—

- I. The Council may determine by an absolute majority, and upon such evidence as it shall deem sufficient, and subject to the concurrence of the Senate, to commemorate after death any alumnus of this University, who shall have been a great benefactor thereof, or shall have achieved distinction in any career or subject, and in particular—
  - By signal acts of courage in the performance of duty or in the cause of humanity.
  - By eminent services to South Australia or the Empire.
  - By signal acts of Philanthropy.
  - By attaining eminence in Science, Literature, Art, or any Profession.
- II. The Council shall transmit to the Senate for its concurrence a copy of each determination, together with a statement of the evidence and reasons in its favour, and the nature and situation of the intended memorial.
- III. The modes of commemoration shall be inexpensive, and may be by mural tablets or other memorials erected within the precincts of the University, and bearing commemorative inscriptions. Each inscription shall contain a brief statement of the grounds upon which the commemoration has been awarded, and the statement shall be recorded also in the minutes of the Council.
- IV. The Council shall compile and keep a record of the Academic and extra University career of each alumnus.
- V. Private persons also may, in modes and upon grounds approved by the Council, (by an absolute majority), and by the Senate, commemorate deceased alumni by memorials erected within

the precincts of the University. The design of each memorial the inscription to be placed upon it, and its situation, must be approved by the Council.

Persons desirous of approval shall supply such evidence and information as the Council shall require, and comply with such terms and conditions as the Council shall impose.

- VI. The foregoing and any future resolutions may be altered or added to by an absolute majority of the Council, with the concurrence of the Senate.

*Concurred in by Senate, 22nd August, 1900.*

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ALUMNI COMMEMORATED :

Hopkins, William Fleming, B. A. (Ad.), M.B. (Melb.), Surgeon-Captain in the Australian Regiment, 1901.

Campbell, Allan James, M.B., B.S. (Ad.), Surgeon-Captain in Steiniker's Horse, 1903.

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## AFFILIATION TO THE UNIVERSITIES OF CAMBRIDGE AND OXFORD.

The application made to the University of Cambridge to confer on Students from the University of Adelaide the same privileges as are conferred on Students from Colleges affiliated to the University of Cambridge has been granted, and the following Clause has been added to the Regulations of that University relating to the affiliation of the University of Adelaide :—

“ That Matriculated Students of the University of Adelaide who have completed therein two academical years of study and have passed the First and Second Annual Examinations for the Degree of Bachelor of Arts, Science, Laws, or Medicine, be entitled to be admitted to the privileges of affiliation, provided that in some one or more of the Examinations (other than the Junior Public Examination) held by that University they have satisfied the Examiners in Latin, one other language not being English, Elementary Pure Mathematics, and Elementary Applied Mathematics.”

NOTE.—The Ordinances of the University of Cambridge may be consulted on application to the Registrar.

The University is also affiliated to the University of Oxford. For information in regard to the privileges thus conferred, students must refer to the Statute “On Colonial and Indian Universities,” in the volume entitled *Statuta Universitatis Oxoniensis* which may be consulted on application to the Registrar.

## RECOGNITION BY THE INSTITUTION OF CIVIL ENGINEERS, LONDON.

The Institution of Civil Engineers has decided to recognise the Senior Public Examination of this University as exempting from the studentship examination of that Institution, provided that the group of subjects included by the certificate covers the requirements of the Institution examination. A certificate will be considered to comply with this condition if it embraces the following subjects :—

English History

English Literature

Arithmetic

Algebra to Quadratic Equations

Euclid, Books I.—IV

Elementary Trigonometry

One language (Latin, Greek, French, or German)

Either Physics or Inorganic Chemistry

which must be passed at the same sitting, but those who have already commenced an approved course of practical engineering training for the period contemplated by the Institution By-Laws, may pass the examination in two parts.

## RECOGNITION BY THE INSTITUTE OF CHEMISTRY OF GREAT BRITAIN AND IRELAND.

The Institute of Chemistry of Great Britain and Ireland has placed the University on the list of Institutions recognised for the training of candidates for the examinations of the Institute. The University is recognised under Section 4, Clause 2, and Section 5, Clause 2, of the Regulations of the the Institute which are as follows :—

Section 4, Clause 2 :—“Candidates who have obtained the Pass Degree of Bachelor of Science in a recognised University, and have complied with Clauses 1 and 2 of Section 3, are also eligible for admission to the Intermediate Examination, provided they produce evidence satisfactory to the Council, that they have passed the Final or Degree Examination in Theoretical and Practical Inorganic and Organic Chemistry and Theoretical and Practical Physics, and that they have passed an Intermediate or Final University Examination in Mathematics covering the work set forth in paragraph (c) on page 15.”

Section 5, Clause 2 :—“Candidates who have passed any of the following Examinations are exempted from the Intermediate Examination provided they produce evidence, satisfactory to the Council, of having been trained in Theoretical and Practical Chemistry in Theoretical and Practical Physics, and in one optional scientific subject, in one or more of the Institutions recognised by the Council, in accordance with the Regulations of the Institute (pp. 14-17).”

NOTE—The Regulations of the Institute may be consulted on application to the Registrar.

## SCHOLARSHIPS, EXHIBITIONS, AND PRIZES.

### **The Angas Engineering Scholarship.**

The Hon. J. H. Angas has founded in connection with the University a Scholarship of £200 a year for two years, of which the object is to "Encourage the training of Scientific men, and especially Civil Engineers, with a view to their settlement in South Australia."

For the conditions upon which the Scholarship has been founded, and upon which it will be awarded, see Statutes, Chapter XIII., "Of the Angas Engineering Scholarship," page 66.

The Scholarship will be offered in June, 1912, and should the Scholarship not be awarded, it will again be offered in June, 1913.

For form of notice by candidates of intention to compete for the Scholarship, see page 70.

### **Awards.**

For previous awards see Calendar for 1911.

1904 Gartrell, Herbert William, B.A., B.Sc.

1906 Not Awarded

1907 Smith, Harold Whitmore, B.Sc.

1908 Tassie, Robert Wilson, B.Sc.

1910 Burgess, Leslie Frank, B.Sc.

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### **The Angas Engineering Exhibitions.**

These Exhibitions are of the value of £40 per annum, tenable for three years by undergraduates in Science. For conditions see Statutes, Chapter XIII., "Of the Angas Engineering Scholarship and the Angas Engineering Exhibitions, Sections 11 to 17 inclusive, page 68.

An examination for one Exhibition will be held in November, 1912.

For form of notice by candidate of intention to compete for an Angas Engineering Exhibition, see page 70.

The following Schedule has been drawn up, in accordance with the Statutes concerning these Exhibitions, for the examination to be held in November, 1912:—

- |   |   |
|---|---|
| 1. Algebra and Trigonometry             | } As for the<br>Higher Public<br>Examination. |
| 2. Geometry and Trigonometry            |   |
| 3. Physics (including practical work)   |   |
| 4. Chemistry (including practical work) |   |
| 5. Applied Mathematics                  |   |

In addition, the candidate shall be required to write an English essay as set for the Government bursary candidates in the Higher Public Examination. The scale of marks shall be as prescribed for the Higher Public Examination.

Candidates for the Exhibition must pass in two of the following languages, viz. :—French, German, Latin, in either the Senior or the Higher Public Examination. These may be passed either before or in the same year as that in which the examination for the Exhibition is held.

#### Awards.

For previous awards, see Calendars for 1904 and 1911.

- |      |                          |
|------|--------------------------|
| 1907 | Tassie, Leslie Gemmell   |
| 1908 | Potts, William Andrew    |
| 1909 | Correll, Percy Edward    |
| 1910 | Yates, Donald (resigned) |
| 1911 | Yates, Donald            |

#### The John Howard Clark Scholarships.

These two Scholarships, of the annual value of about £20 for two years, were founded by public subscription in memory of the late John Howard Clark for the encouragement of English Literature at the University. For conditions see Statutes, Chapter XIV. "Of the John Howard Clark Scholarships," page 71.

#### Awards.

For previous awards, see Calendar for 1904 and 1911.

- |      |   |         |
|------|---|---------|
| 1907 | { Bell, Arthur Hammond<br>Richardson, Arnold Edwin Victor } | } equal |
|------|---|---------|



- 1907 Bray, Marmion Matthews  
 1908 { Brown, Thomas John  
       { Ligertwood, George Coutts  
 1909 { Ligertwood, George Coutts  
       { Thomson, Harry  
 1910 { Hannan, Albert James, B.A.  
       { Ligertwood, George Coutts, B.A.  
       { Norman, William Ashley  
 1911 Not awarded.
- 

### The Stow Scholarship.

Every Bachelor of Laws who, during his undergraduate course, has three times obtained the Stow Prize is entitled to the style of Stow Scholar, and receives a gold medal.

#### Awards.

- 1892 Stow, Francis Leslie  
 1897 Young, Frederick William  
 1901 { Bennett, Richard William  
       { Skipper, Stanley Herbert  
 1904 Gordon, James Leslie  
 1907 Bray, Marmion Matthews  
 1910 Ligertwood, George Coutts, B.A.
- 

### The Elder Prizes.

Sir Thomas Elder having since 1882 given £20 yearly for prizes in the Faculty of Medicine the Council, at his death in 1897, resolved to continue the Prizes. They are of the value of £10 each and are awarded to the best students in the first and second years of the M.B. Course who are placed in the First Class.

#### Awards.

For previous awards see Calanders for 1898 and 1911.

- 1907 { Not awarded (First year)  
       { Jona, Jacob (Second year)

1908	{	Burnell, Glen Howard (First year)	
	{	Kneebone, John Le Messurier (Second year)	
1909	{	Verco, Joseph Stanley (First year)	
	{	Burnell, Glen Howard (Second year)	
1910	{	Verco, Joseph Stanley (Second year)	
	{	Not awarded (First year)	
1911	{	Rice, Patrick William (First year)	
	{	Turner, Charles Trevor (Second Year)	

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### The Dr. Davies Thomas Scholarships.

These two Scholarships of the value of £10 each were founded by Mrs. Davies Thomas in memory of the late Dr. Davies Thomas, Lecturer in the Principles and Practice of Medicine and Therapeutics at the University.

They are awarded to the best student in each of the third and fourth years of the M.B. Course who shall be placed in the First Class.

For conditions see Statutes Chapter XXI. "Of the Dr. Davies Thomas scholarships," page 78.

### Awards.

For previous awards see Calendar for 1911.

1907	{	McGlashan, John Eric (Third Year)	
	{	Fry, Henry Kenneth, B.Sc. (Fourth year).	
1908	{	Jones, Edmund Britten (Third year)	
	{	Trüdinger, Ronald, B.Sc. (Fourth year)	
1909	{	Kneebone, John Le Messurier (Third year)	
	{	Jones, Edmund Britten (Fourth year)	
1910	{	Florey, Hilda Josephine (Third year)	
	{	Not awarded (Fourth year)	
1911	{	LeMessurier, Frederick Neill	} equal (Third year)
	{	Verco, Joseph Stanley	
	{	Rennie, Henry Charles Cadell	} equal (Fourth year)
	{	Florey, Hilda Josephine	

### The Everard Scholarship.

This Scholarship, founded by the late William Everard, is of the value of £30, and is awarded to the student who is placed first in the Class List of the Final Examination for the Degrees of Bachelor of Medicine and Bachelor of Surgery.

For conditions see Statutes Chapter XVII. "Of the Everard Scholarship," page 74.

#### Awards.

For previous awards, see Calendars for 1904, and 1911.

- 1907 Verco, Reginald John.
- 1908 Fry, Henry Kenneth, B.Sc.
- 1909 Trüdinger, Ronald, B.Sc.
- 1910 Jones, Edmund Britten
- 1911 Kneebone, John LeMessurier.

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### The Hartley Studentship.

This Studentship has been founded by public subscription in memory of the late John Anderson Hartley, B.A., B.Sc., Vice-Chancellor of the University and Inspector-General of Schools of South Australia. It is awarded on the results of the Higher Public Examination, is tenable for three years, and is available for either the B.A. or B.Sc. Course.

For conditions see Statutes Chapter XXII. "Of the Hartley Studentship," page 78.

#### Awards.

For previous awards see Calender for 1911.

- 1903 Ellis, Frank.
- 1907 Brown, Arthur Cubitt.
- 1908 Dawkins, Alfred Ernest.
- 1909 Sanders, Harold William.
- 1910 { Dunstan, John Leonard (resigned).
- { Bean, Edgar Layton.
- 1911

**The South Australian Commercial Travellers' Association  
(Incorporated) Scholarship.**

This Scholarship has been founded by the Commercial Travellers' Association, and is awarded on the nomination of that Association.

For conditions see Statutes, Chapter XVI. "Of the Commercial Travellers' Association Scholarship," page 73.

**Awards.**

- 1884 Bertram, Robert Matthew.
- 1889 Harrison, Rosa Lillian.
- 1891 Bostock, Jessie.
- 1894 Dibben, Nellie Helen.
- 1899 Ellis, Annie Rita.
- 1905 Begg, Reginald Haussen.
- 1911 McGlew, Phyllis Dorothy.

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**The Tinline Scholarships for History**

These two Scholarships, of the annual value of £30 each, tenable for two years, were founded by George John Robert Murray, a member of the Council of the University, in memory of the family of his mother.

For conditions see Statutes, Chapter XXX., "Of the Tinline Scholarship," page 85.

**Awards.**

- 1908 Melbourne, Alexander Clifford Vernon.
- 1909 Stevens, Susan Frances Gwendoline
- 1910 Giles, Harold
- 1911 Jackson, Sarah Elizabeth.

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**The David Murray Scholarships.**

These Scholarships, of the value of £25 each, were founded by the late David Murray, a former member of the Council of this University.

See Statutes, Chapter XXXI., "Of the David Murray Scholarships," page 85.

**CONDITIONS AND METHODS OF AWARD BY FACULTIES.****ARTS.****PHILOSOPHY.**

A sum of £12 10s. will be awarded in 1912 for the best Essay by a graduate or undergraduate of the University who has not matriculated before 1905. The subject of the Essay is :

“The cost and the standard of living in Australia.”

No limit is set to the length of the Essay, but it should run to about 15,000 words. An award will not be made unless the Essay is considered to be of sufficient merit.

The Essay must reach the Registrar on or before the 14th of October, 1912.

**CLASSICS.**

A sum of £12 10s. will be awarded to the candidate who obtains the highest marks in the Unseen Work of the Final Honours Examination, provided that the candidate is placed at least in the Second Class.

**SCIENCE.**

This Scholarship is awarded to enable a graduate in Science to carry out some scientific investigation. The recipient, who must have qualified for the B.Sc. degree, is required to submit the subject of his work for approval by the Faculty and the Council.

Payment shall be made in two instalments, the first on approval by the Council of the subject of the scholar's work, the second on receipt of a satisfactory report of progress.

**LAW.**

The Scholarship is divided into three equal parts, one part being awarded to the best student in Roman Law, International Law, and Theory of Law and Legislation respectively.

The awards will be made on the results of the examinations in November of the year in which the lectures are given, on condition that the student has attended such lectures and is considered to be of sufficient merit.

In consequence of the three above-mentioned subjects only being lectured upon in alternate years, there will be one award only in one year and two awards in the following year.

### MEDICINE.

The Scholarship, of the value of £25, is for post-graduate work, and is offered for the best thesis for the Degree of Doctor of Medicine or Master of Surgery. The period for which candidates may compete is limited to three years after graduation.

### Awards

- |      |   |  |
|------|---|--|
| 1908 | { | SCIENCE—Bagster, Lancelot Salisbury, B.Sc.           |
|      | { | LAW—Browne, Thomas John, LL.B.                       |
| 1909 | { | ARTS—Hannan, Albert James                            |
|      | { | LAW—Ligertwood, George Coutts, B.A.                  |
| 1910 | { | ARTS { CLASSICS—Reimann, Valesca Leonore Olive       |
|      |   | PHILOSOPHY—Mayo, George Elton                        |
|      | { | SCIENCE—RESEARCH WORK—Jona, Judah Leon, B.Sc.        |
|      | { | LAW—Ligertwood, George Coutts, B.A.                  |
| 1911 | { | ARTS { CLASSICS—Barton, Felix Kingston               |
|      |   | PHILOSOPHY—Allen, Eleanor Alice                      |
|      | { | ROMAN LAW—Whittington, Louis Arnold                  |
|      | { | THEORY OF LAW AND LEGISLATION—Norman, William Ashley |

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### The Barr Smith Prize for Greek.

R. Barr Smith, Esq., has given the sum of £150 to provide for an annual prize of £10. This is awarded to the best student in Greek in the first year's examination for the Ordinary Degree of Bachelor of Arts.

### Awards.

- 1908—Potts, Gilbert Macdonald  
 1909—Proud, Millicent Farrer  
 1910—Walter, Hilda Blanche May  
 1911—Bean, Edgar Layton

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### The Andrew Scott Memorial Prize for Latin.

This Prize has been founded by private subscription, in memory of the late Andrew Scott, B.A. The prize is of the annual value of £6, and is awarded to the best student in Latin in the first year's examination for the Ordinary Degree of Bachelor of Arts.

**Awards.**

- 1908 Potts, Gilbert Macdonald  
 1909 { Proud, Millicent Farrer } equal  
       { Schultz, Frederick Balfour }  
 1910 Walter, Hilda Blanche May  
 1911 { Stewart, Colin Gore } equal  
       { Williams, Francis Edgar }  
 Proxime accessit—Bean, Edgar Layton
- 

**Science Research Scholarship, Exhibition of 1851.****Awards.**

- 1892 Allen, James Bernard, B.Sc.  
 1902 Cooke, William Ternent, B.Sc.  
 1905 Kleeman, Richard Daniel, B.Sc.  
 1909 Glasson, Joseph Leslie, B.Sc.

**Science Research Bursaries, Exhibition of 1851.****Awards.**

- 1901 Cooke, William Ternent, B.Sc.  
 1904 Kleeman, Richard Daniel, B.Sc.  
 1911 Jauncey, George Eric Macdonnell, B.Sc.
- 

**The Rhodes Scholarship.****Awards.**

- 1904 Jolly, Norman William, B.Sc.  
 1905 Robinson, Roy Lister, B.Sc.  
 1906 Reynell, Walter Rupert.  
 1907 Ray, William, M.B., B.S.  
 1908 Rudall, Reginald John, LL.B.  
 1909 Fry, Henry Kenneth, B.Sc., M.B., B.S.  
 1910 Thomson Harry, LL.B.  
 1911 Madigan Cecil Thomas, B.Sc.  
 1912 Jones, Edmund Britten M.B., B.S.

### The Tennyson Medals.

#### Awards—1911.

Higher Public—Jury, Charles Rischbieth (St. Peter's Collegiate School).

Senior Public—Crowther, Mary Helen (Perth Modern School).

Junior Public—Barker, Alice Jean, Bowman (Akaroa School).

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### The Joseph Fisher Medals.

The Statutes provide for the annual award of this Medal to the candidate for the Advanced Commercial Certificate who, on completing the course for such Certificate, shall, in the opinion of the Examiners, be the most distinguished.

For conditions see Statute Chapter XXVIII, "Of the Joseph Fisher Medal of Commerce, and the Joseph Fisher Lecture in Commerce," page 99.

#### Awards.

1904	Robertsón, John George.
1905	Annells, Herbert Edward.
1906	Thomas, Harold Clarke.
1907	{ Cotton, Robert Harold.
	{ Bray, Clifford Samuel.
1909	Dobson, Alfred James.
1910	Not awarded.
1911	Wauchope, James, George, Neilson.

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### The St. Alban Scholarship.

The Masonic Lodge of St. Alban of South Australia having paid to the University the sum of £150 for the purpose of founding a Scholarship to be called the St. Alban Scholarship, the University has agreed—

1. That the St. Alban Scholarship shall be awarded by the University to any matriculated Student thereof, who (being certified in the form hereinafter provided, or in some similar form, to be a son or daughter of a worthy past or actual member of the said Fraternity) shall be nominated by the said Lodge as a person to whom a St. Alban's Scholarship shall be awarded. Each Student so nominated shall hold such Scholarship for such number of consecutive academical Terms as the

Student must for the time being complete in order to obtain a Degree in (as the case may require) Laws, Medicine, Arts, Science, or Music : Provided nevertheless that the said Lodge may from time to time at the end of any academical year terminate the tenure of the Scholarship by the holder thereof for the time being, and substitute another matriculated Student for such holder. Each Student so substituted shall therefrom have all the advantages appertaining to such Scholarship.

2. Each Scholar studying for a Degree in Arts, Science, or Music, shall during such time as he or she shall hold the Scholarship be exempt from the payment of all University fees including the fees payable on taking the Degree of Bachelor of Arts, Bachelor of Science, or Bachelor of Music. Each Scholar studying for a Degree in Laws or Medicine shall in each year, during which he or she shall hold the Scholarship, be credited by the University with the sum of £15 towards payment of his or her fees. Any Student ceasing to hold the Scholarship shall not be exempt from payment of such fees or entitled to credit for such sum of £15 after the time at which he or she shall cease to hold such Scholarship.

3. Scholars shall be in all respects subject to the Statutes and Regulations for the time being of the University.

4. Save by permission of the Council of the University no Scholar shall be entitled to exemption from or to a reduction of University fees during more than the number of academical Terms, reckoned consecutively, which such Scholar must complete in order to obtain a Degree in the course of study pursued by him or her, and the Terms shall be computed from the day next preceding the commencement of the academic year in which he or she shall become a Scholar.

5. Certificates in the respective forms hereinafter provided, or in some similar form, and purporting to be signed by the Master or Acting Master and by the Secretary or Acting Secretary, for the time being of the St. Alban Lodge, and to be sealed with the seal thereof, shall respectively be accepted by the University as sufficient evidence of the truth of the statements contained therein respectively, and of the due signature and sealing thereof respectively.

6. In the event of the Lodge St. Alban being erased or dissolved or becoming extinct, and in the event of its warrant becoming extinct or being delivered up to the Grand Master for the time being of the said Fraternity in South Australia, or being cancelled or becoming extinct, the said Grand Master, or (failing him) the Pro-Grand Master, or (failing him) the Deputy Grand Master, shall be entitled to exercise the



**Awards.**

- 1891 Bowen, Frederick James Alfred.
- 1892 Walker, Ellen Lawson.
- 1894 Makin, Frank Humphrey.
- 1898 Broadbent, Percy Lewis (resigned).
- 1900 Poole, Dorothea Landon.
- 1903 Hunn, William Morgan.
- 1905 Jacob, Melliar Phelps.
- 1910 Wibberley, Brian William.

**Government Bursaries, tenable at the University.**

(Regulations of the Education Department, made in 1911.)

- 430. Twelve bursaries, to be called Government bursaries, shall be offered annually for competition. Each bursary allotted to the course in medicine shall be tenable for five years; all other bursaries for four years.
- 431. These bursaries shall exempt the holders from all fees payable to the University of Adelaide in the courses for the degrees of B.A., B.Sc., LL.B., M.B., and B.S., and Mus. Bac., and for the Diploma in Applied Science, and from all fees payable to the Roseworthy College in the case of students taking the agricultural course in science; and shall provide in addition an allowance of £20 per annum to each holder who is able to reside with his parent or guardian during his tenure of the bursary, or during the period when he may be resident at Roseworthy; but, at the discretion of the Minister of Education, this allowance may be increased to £40 per annum to each holder who is unable to reside with his parent or guardian during such tenure.
- 431A. Six of the bursaries, to be called open bursaries, shall be open to public competition, and six, to be called restricted bursaries, shall be open for competition to candidates who for at least one year preceding the examination have been pupils of the public High Schools of South Australia. In the event of any of the six restricted bursaries not being awarded in any year they shall be added to the number of open bursaries.
- 431B. The bursaries shall be available for any course the holder may select, provided that not more than four of the bursaries shall be awarded annually to candidates who wish to enter as

students in medicine. Of these four bursaries two shall be open and two restricted ; but, if there are not two applications in each section, then the unapplied for medical bursary in the one section may be allotted to the other section.

432. Candidates must have been resident in the State of South Australia for at least one year preceding the examination ; they must be under 19 years of age on the 1st of December in the year in which the examination is held, and must not previously have attended any part of the day undergraduate course of the University.
433. The award of the bursaries shall be decided by the results of the Higher Public Examination of the University of Adelaide, together with such further examination as may, if necessary, be prescribed by the Council of the University. Every candidate who has passed in at least four subjects of the Higher Public Examination of the University of Adelaide shall be eligible for the award of a bursary.
434. The subjects of examination and the relative value of each shall be fixed by the Council of the University subject to the approval of the Minister of Education.
435. Successful candidates must enter the University of Adelaide as undergraduate students in arts, science, law, medicine, or music in the year following the examination. Those who enter as undergraduate students in science may take any one of the prescribed courses, including the special course in agriculture given by the University in conjunction with the Roseworthy Agricultural College, and the courses for the University Diploma in Applied Science, and the Fellowship of the South Australian School of Mines and Industries. Except in cases of illness or other sufficient cause, they must attend all lectures and pass all the examinations in the selected course required by the University.
436. Payment of the bursaries will be made in three equal instalments at the ends of the three University terms. Each bursar must present a certificate of diligence and proficiency in a form to be prescribed by the Minister of Education, and payment may be reduced or withheld altogether if such certificate is not satisfactory to the Minister of Education.

437. No person may hold a Government bursary in conjunction with any other entrance bursary, entrance exhibition, or entrance scholarship tenable at the University, except in such cases as are recommended by the Council of the University and approved by the Minister of Education, but a Government bursary may be held in conjunction with the Hartley Studentship.
438. In the event of any bursary lapsing or being forfeited the money may be used either in providing an additional bursary or in helping deserving students as recommended by the Council of the University and approved by the Minister of Education.
- 438a. The foregoing regulations relating to Government bursaries shall take effect from the 1st day of January, 1912.

### Entrance Bursaries.

#### A.—FOR DAY STUDENTS.

#### Awards.

(For previous holders see Calendars for 1898, 1901, 1905, and 1911).

#### OPEN BURSARIES.

- |      |   |   |   |
|------|---|---|---|
| 1911 | { | Morey, Alan Wilson, St. Peter's College.        | } |
|      |   | Southwood, Albert Ray, Prince Alfred College.   |   |
|      |   | Webb, John Newton, St. Peter's College.         |   |
|      |   | Moyes, Alban George, St. Peter's College.       |   |
|      |   | Berriman, Robert Harold, Prince Alfred College. |   |

#### RESTRICTED BURSARIES.

- |      |   |                           |   |                       |
|------|---|---------------------------|---|-----------------------|
| 1911 | { | O'Neill, Sydney           | } | Adelaide High School. |
|      |   | Cairns, Hugh William Bell |   |                       |
|      |   | Somerville, Hugh Norman   |   |                       |
|      |   | Richards, Eva Gertrude    |   |                       |
|      |   | Anderson, Marjory         |   |                       |

## \* B.—FOR EVENING STUDENTS.

**University Studentships.**

## FOR EVENING STUDENTS.

Studentships will be offered annually for competition to persons attending or intending to attend the University evening lectures with a view to graduating in Arts or Science, and whose occupations or circumstances prevent them from attending the day lectures.

The value of each Studentship shall not exceed £10 in the case of a Science student, or £7 in the case of an Arts student, and shall in neither case exceed the outlay necessary for lecture and examination fees, text-books and material, and the total value of the Studentships granted in any one year shall not exceed £180.

Nine of such Studentships will be offered to students studying or intending to study for a degree in Science and thirteen to students studying or intending to study for a degree in Arts: Provided that if in any year the number of applicants of sufficient merit will not allow of these proportions being maintained, the same may be varied or the full number of Studentships not awarded at the discretion of the Board of Examiners.

Of the Studentships for Science, three will be offered for competition to students entering upon their course, two to students who have completed one year of study, two to students who have completed two years of study, and two to students who have completed three years of study. Of the Studentships for Arts, five will be offered for competition to students entering upon their course, three to students who have completed one year of study, three to students who have completed two years of study, and two to students who have completed three years of study: Provided that if in any year the number of applicants of sufficient merit will not allow of these proportions being maintained, the Board of Examiners may vary the same at their discretion.

Candidates for the first year Studentships must be between the ages of 16 and 25 years on the first day of the first University term, and must have been resident in the State for at least one year immediately preceding that date. Candidates for the other

Studentships must comply with similar conditions, one year of age being added for each year of the University course.

The subjects for the first year Studentships shall be fixed by the University Council, subject to the approval of the Minister. The examination shall be qualifying, not competitive, and the Studentships will be awarded to such candidates as in the opinion of the Board of Examiners show the most promise. The Board will take into consideration the previous opportunities and present circumstances of candidates.

The subjects of examination for the Studentships to be awarded for each year other than the first shall be such subjects of the Arts and Science courses as have been respectively studied by the candidates in the evening classes during the preceding year.

Such portions of the Studentships as may be necessary to pay the University fees and the cost of the prescribed text-books shall be paid at the beginning of each University term. In the case of students other than those entering on their course, a certificate from the Registrar that the student has diligently and regularly attended the prescribed lectures must be produced, and the Minister may cancel the Studentship awarded to any student who has, without reasonable excuse, failed so to attend such lectures.

Should any difficulty arise in the interpretation of the Regulations referring to University studentships, the question shall be referred to the Minister, whose decision shall be final.

### **Evening Entrance Studentships for 1912.**

Candidates for any of these Studentships, whether they have already held one of them or not, must apply to the Registrar in writing before February 28th. They should state

1. Their age, whether they are at work during the day, how they are employed, and what salary they receive.
2. Their qualifications in point of knowledge, viz.: —

(a.) If they have not previously held the Scholarship, they should give particulars of any public examinations they have passed. Candidates are qualified to hold the Scholarship who have reached the standard of the Junior Public examination in English Literature, History, and Mathematics.

(b.) If they have already held the Scholarship, they should

state what work they have done and what examinations they have passed while holding it.

### The Tate Memorial Medal.

#### RULES.

Whereas a sum of sixty pounds has been subscribed with the intention of founding a medal in memory of the late Ralph Tate, sometime Professor of Natural Science in this University, and whereas the said sum has been paid to the University for the purpose of establishing a medal, it is hereby provided :—

- I. There shall be a medal, to be awarded annually, and called the "Tate Memorial Medal."
- \*II. The medal shall be awarded for the best original work on the Geology, Palæontology, or Mineralogy of any part of the Commonwealth of Australia. The subject proposed by the candidate shall be previously approved by the Faculty of Science. The candidate must give evidence of the authenticity of his thesis. He may, if the Examiners think fit, be required to pass an examination in the subject of his thesis.
- III. Any undergraduate in the faculty of science, or any graduate in science of this University of not more than three years' standing, shall be eligible to compete for the medal. \*Provided that in no case shall any candidate be allowed to compete more than three times.
- \*IV. The thesis shall be forwarded not later than the first week in July in each year.
- †V. No medal shall be awarded to a candidate who in the opinion of the Council is not deserving of it.

#### Awards.

1903	Gartrell, Herbert William, B.A., B.Sc.
1904	Basedow, Herbert.
1905	Not awarded.
1906	} No candidates.
1907	
1908	Stanley, Evan Richard
1909-10-11	No candidates.

\* Made by Council, July, 1908.

† Made by Council 29th July, 1904.

Made by Council, 12th December, 1902.

### The South Australian Scholarship.

This Scholarship, which is now discontinued, was of the value of £200 a year for four years. It was established by the Education Department of the South Australian Government, and awarded on the recommendation of the University to a student who at the date of examination had not attained the age of 21 years. The holders were required to study during the tenure of the scholarship at a European University.

#### Awards.

- 1879 Beare, Thomas Hudson, B A.  
 1880 Robin, Percy Ansell, B.A.  
 1881 Holder, Sydney Ernest, B.A.  
 1882 Donaldson, Arthur, B.A.  
 1883 Murray, George John Robert, B.A.  
 1884 Leitch, James Westwood, B.A.  
 1885 Tucker, William Alfred Edgcumbe, B.A.  
       LL.B.  
 1886 Walker, William John, B.A.

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### Commissions in the British Army.

Under certain Regulations, one Commission in the British Army may be granted annually to a student of the University of Adelaide.

Candidates must be within the ages of 18 and 22, and will not be granted exemption by the War Office from the Army qualifying examination unless they have passed in the following subjects of the Junior or Senior Public Examination :—

- (1) English, (2) English History, (3) Geography, (4) Arithmetic, (5) Algebra, (6) Geometry ;

and two of the following subjects ;

- (7) Physics or Chemistry, (8) French or German, (9) Latin or Greek.

They will have to undergo a further examination before the home authorities in military subjects, viz :—

1. The elements of Field Fortification.
2. Military Topography.
3. The Elements of Tactics.
4. Military Law.

The full Regulations may be seen on application to the Registrar, and the Council are anxious that eligible candidates should take advantage of the opportunities given.

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### **Commissions in the Royal Navy.**

Under certain conditions two commissions as Medical Officers in the Royal Navy may be granted to Colonial candidates during each of the years 1907, 1908, and 1909.

Candidates must be registered Medical Practitioners and hold suitable certificates in both Medicine and Surgery, and must be within the age of 21 and 28.

Full particulars may be had on application to the Registrar.

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### **The Joseph Fisher Lecture in Commerce.**

The undermentioned Lectures have been delivered at the University in accordance with the provisions of Chapter XXVIII. of the Statutes (see page 99):—

1904.—“Commercial Education,” by Henry Gyles Turner, Esq.

1906.—“Commercial Character,” by L. A. Jessop, Esq.

1908.—“The Influence of Commerce on Civilization,” by J. Currie Elles, Esq.

1910.—“Banking as a Factor in the Development of Trade and Commerce,” by J. Russell French, Esq.

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**SOCIETIES ASSOCIATED WITH THE UNIVERSITY.**

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**Adelaide University Union.**

The objects of the Union are :—

1. To promote social life amongst the members of the University
2. To receive and discuss papers on University subjects
3. To hold periodical debates on subjects approved by the Committee
4. To discuss all University subjects, the consideration of which has been approved of by the Committee.

The Union has a commodious room on the University premises used for debates, socials, and other meetings. On its tables are to be found current magazines and newspapers. It serves the purpose of reading, smoking, and general club room for the members of the Union.

All officers, graduates, undergraduates, and students in law of the University of Adelaide are eligible for membership.

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**Adelaide University Scientific Society.**

This Society has been formed with the object, mainly, of bringing together students and others connected with the University, and interested in the various branches of Science, of promoting the study of Science by periodical meetings, preparing papers, and occasional lectures, and also of visiting institutions connected with applied science, and making excursions to places of scientific interest.

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**The Adelaide Medical Students' Society.**

This Society was founded in 1889.

Its chief objects are to encourage the writing of papers on subjects of general medical interest, and to promote fellowship among the medical students.

Meetings are held once a month during the first two terms, at which papers written by students are read and discussed.

Various periodicals of interest are taken by the Society.

The Medical Students' Dinner is held annually under the auspices of the Society.

All students of medicine of the Adelaide University are eligible [as members.

The officers are elected at the first meeting of the year.

The subscription is 2s. 6d. per annum.

### **Adelaide University Christian Union.**

FOUNDED 1890: RE-ORGANIZED 1896.

Objects.—To strengthen the bonds of union amongst Christian students, to deepen the spiritual lives, to promote Christian work, especially by and for students, to lead them as they go forth from the University to place their lives where they will be most useful.

Meetings, to which all students are invited, are held weekly, and addresses are given by students and friends of the Union.

Bible Classes for men and women students meet weekly to follow a three years' course of study.

A handbook of convenient shape for the waistcoat pocket containing in condensed form such information as a new student requires, is published at the beginning of each year and presented to students.

### **Adelaide University Sports' Association.**

This Association was formed in the beginning of 1897 by the amalgamation of the Lacrosse, Lawn Tennis, and Boat Clubs. Its object was to do away with interest in one club to the exclusion of the others, and to bring membership of all the clubs within the reach of every student.

The honorary office-bearers of the Association are a patron, president, six vice-presidents, two joint treasurers, and a secretary.

The General Committee composed of the office-bearers, together with two delegates from each constituent club, has sole control of all moneys belonging to the Association, and has power to perform all such acts as shall appear necessary for its management.

The Committee meets once a month for the despatch of business.

Membership.—Every graduate, or undergraduate, or law student of the Adelaide University, or graduate of any other recognized University is eligible for membership.

The annual subscription for members is £1 10s., and for honorary members £1 ls. Upon payment of this subscription members are entitled to enjoy the privileges of each constituent club, and to wear the black and white colours of the Association.

The membership of the Association is now about 70.

The Committee hopes that the time is not far distant when every student will avail himself of the benefits of membership, thereby fostering that spirit of *esprit de corps* which is so essential to student life.

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### University Sports' Ground.

This admirable recreation ground of  $6\frac{1}{2}$  acres of park lands, leased from the City Corporation for a period of 21 years, has now been completed, and is available for use by the various clubs of the University Sports' Association.

A boathouse and a pavilion have been erected. Mr. Barr Smith gave £750 for the erection of the boathouse; and 12 donors (B. Barr Smith, T. E. Barr Smith, F. J. Fisher, Chas. Goode, John Gordon, R. T. Melrose, C. H. Angas, A. J. Murray, G. J. R. Murray, S. S. Ralli, T. Scarfe, Sir Ernest Shackleton, C.V.O., and the Right Hon. Sir S. J. Way, Bart.) gave £100 each towards the erection of the pavilion. Many members of the University and other friends also subscribed liberally to the fund for general purposes.

The undermentioned Committee, composed of representatives of the University and of the Sports' Association, has been appointed:—S. J. Jacobs (chairman), Hon. G. Brookman, Mr. G. J. R. Murray, Professor Henderson, Professor Naylor, Mr. R. H. Wallmann, LL.B. Mr. G. C. Campbell, B.A., LL.B., Mr. H. W. D. Stoddart. Chas. R. Hodge, Hon. Secretary.

### **The University Shakspeare Society.**

The objects of the Society are to promote an intimate knowledge of the plays of Shakspeare, and of matters connected with Shakspearian study.

The means employed are (a) The reading of the plays, (b) The delivery of lectures or reading of essays upon Shakspearian subjects, (c) The discussion of such subjects by the members, and (d) any other such means as the Committee may deem to be expedient to the end in view.

The subscription fee for each member is 7s. 6d. for the Session, due on the 23rd of April in each year. In the event of the subscription of any member being unpaid three months from that date, the Committee have power to remove the name from the list of members.

The Committee have power to elect as Honorary Members of the Society any persons who have materially helped the Society in any way, or who have done good service in extending the knowledge and appreciation of Shakspeare within the State of South Australia.

The meetings of the Society are held fortnightly at the University, and continue from the first Thursday after the 23rd April in each year until the second Thursday in November of the same year, the University vacations being observed.

The Meetings of the Society commence at 7.45 p.m. and close at 9.30 p.m., extension of time for closing to be arranged by resolution.

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### **The Adelaide University Law Debating Society.**

The object of the Society is the discussion of any topics of interest to students of law.

The persons eligible to become members of the Society are:—

- (a) Any person who has obtained the Degree or Final Certificate in Law of the University of Adelaide
- (b) Any undergraduate or student in law at the University
- (c) Any member of the legal profession who is a graduate of this University.

The Annual General Meeting of the Society is held on a day to be fixed by the Committee in the first week of April, at which the Committee will be pleased to meet all new students and intending members.

Ordinary meetings are held every alternate Monday in the Law Room at the University, at 7.45 p.m.

The annual subscription is 2/6.

The Society annually offers for competition a prize of the value of £2 2s. (£1 1s. of which is kindly presented each year by R. W. Bennett Esq., LL.B.), to be awarded to the member who, in the opinion of the committee appointed for the purpose, shall have proved himself the best debater at the meetings held during the current year.

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### **Adelaide University Arts Association.**

FOUNDED 1907.

Meetings are held on the first Friday evening of each month in the First and Second Terms.

Objects:—To discuss subjects of interest to students in Arts and to promote social life.

Past and present members of the Arts School meet at the Annual Dinner held in August.

Entrance fee 1s. Annual subscription 2s. 6d.

President, F. W. Eardley.

Hon. Secretary, A. C. V. Melbourne, B.A.

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### **The Classical Association of South Australia.**

PATRON—The Right Hon. Sir Samuel Way, Bart., Chancellor of the University.

PRESIDENT—Professor H. Darnley Naylor.

HON. SECRETARY—Mr. G. A. McMillan, Childers Street, North Adelaide.

#### **RULES.**

The Name of the Association is "The Classical Association of South Australia."

The objects of the Association are—

- (a) To impress upon public opinion the claim of Classical studies to an eminent place in the national scheme of education.
- (b) To improve the practice of Classical teaching by free discussion of its scope and methods.
- (c) To encourage investigation and to call attention to new discoveries.
- (d) To create opportunities for friendly intercourse and co-operation among all lovers of Classical learning in this country.

All Graduates of any recognised University, and all who are interested in Classical studies, except those students of the University of Adelaide who have not graduated in any course and are still engaged in Classical studies, are eligible for membership.

The annual subscription is half-a-crown, due and payable on the 31st March in each year.

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# THE ELDER CONSERVATORIUM OF MUSIC.

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## PREFACE.

The Elder Conservatorium has been established for the purpose of providing a complete system of instruction in the art and science of Music, at a moderate cost to the student.

The Conservatorium is open to professional and amateur students. The course of instruction is so arranged that Students may either be prepared for a professional career or may attend for the study of a single subject only.

The annual fee is £14 14s. and may be paid in one amount, or in proportionate instalments at the commencement of each term.

The student receives tuition in one principal subject and in one or more secondary subjects, the latter to be approved by the Director. In the principal subject each student receives individual teaching for forty minutes every week during term.

Students desiring to study two principal subjects are allowed a reduction in the fee for the second principal subject.

Students desiring to attend the Conservatorium for the purpose of studying a secondary subject only may be admitted by special arrangement.

## Entrance Examination.

All candidates for admission as students of a principal subject must satisfy the Director of his or her fitness to enter upon the course of study proposed. It is necessary that candidates have had such preliminary training or are possessed of such natural musical talent as will enable them to profit by the instruction given at the Conservatorium. No student will be admitted to any course of study who, in the opinion of the Director, is not qualified to benefit thereby.

All female students attending the Conservatorium are under the charge of the Lady Superintendent.

Forms of application for admission to the Conservatorium may be obtained from the Registrar of the University. When filled up they should be sent in at least seven days before the beginning of the term, and must be accompanied by the Entrance Examination fee of 10s. 6d.

### **Examinations and Diplomas.**

At the end of each academical year each student is entitled to receive a report of progress signed by the Director.

Students taking a principal subject may present themselves for examination for the Diploma of Associate in Music at the end of each year.

### **Scholarships and Prizes.**

Ten Scholarships and five Prizes are offered for competition among Australian students of music.

### **Orchestra.**

A University Orchestra has been established for the practice of orchestral music by students and others, and the giving of concerts in the Elder Hall, &c.

The services of professional musicians will be retained to assist at rehearsals and performances.

Persons not studying at the Conservatorium may be admitted to take part in rehearsals and concerts on such conditions as may be laid down.

### **Library.**

A Library of Classical Compositions, including Full Scores, and miscellaneous writings on musical subjects, has been formed. The books and music are available to students for reference.

## ELDER CONSERVATORIUM OF MUSIC

## REGULATIONS.

- I. The Conservatorium shall be under the control of the Council of the University.
- II. The instruction of students shall be conducted by the Director and such Professors, Lecturers, and Teachers as the Council shall appoint.
- III. The Conservatorium shall provide a complete course of study for the Diploma of Associate in Music.
- IV. Students may take one or more principal subjects without proceeding to the Diploma, or may take one or more secondary subjects without taking a principal subject.
- V. The academical year shall consist of four terms, which shall be fixed annually by the Council.
- VI. The following subjects may be taught in the Conservatorium :—

## PRINCIPAL SUBJECTS—

Harmony and Musical Composition.  
 Pianoforte  
 Singing (Solo)  
 Organ  
 Violin  
 Violoncello  
 Other Orchestral Instruments.

## SECONDARY SUBJECTS—

Theory of Music and History of Music  
 Sight Singing and Musical Dictation  
 Ensemble Playing  
 Orchestral Playing  
 Choral Singing

and such other subjects as come within the scope of a musical education.

- VII. An intending student of any principal subject must satisfy the Director of his or her fitness to enter upon the course of study proposed, and upon being admitted shall pay the entrance examination fee of 10/6 and sign the non-graduating students' roll.

- VIII. No student of a principal subject may enter the Conservatorium for a less period than one year, except in special circumstances to be allowed by the Council.

The student, or, if he be under the age of twenty-one years, his parent or guardian, shall give an undertaking to pay the fees for a year.

- IX. The Annual fee for one principal subject, with one or more of the abovementioned secondary subjects, to be approved by the Director, shall be fourteen guineas, and must be paid either at the beginning of the Conservatorium year in one sum or in instalments of three and a half guineas at the beginning of each term.

Students taking an additional principal subject will be allowed a reduction of twenty-five per cent. on the fee for it.

- X. For students taking a principal subject, additional fees, as specified below, will be charged for the undermentioned subjects, if classes for them are formed to the satisfaction of the Council :—

Opera Class	}	...	Per Term.	£0 10 6	Per Annum	£1 11 6
Elocution						
French						
German						
Italian						

- XI. Students not taking a principal subject may take any of the following subjects for the fees specified below :—

	Per Term	Per Annum.		
Choral or Part Singing Class, each		£0 10 6		
Opera Class ... ..	£1 1 0	3 3 0		
Theory of Music—				
(a) Elementary or Junior ...	0 10 6	1 11 6		
(b) Intermediate or Senior ...	1 1 0	3 3 0		
Sight Singing and Musical Dictation ... ..	0 10 6	1 11 6		
Ensemble Playing ... ..	2 2 0	6 6 0		
Orchestral Playing ... ..	0 7 0	1 1 0		
Elocution	}	each ... ..	1 1 0	3 3 0
French				
German				
Italian				

- XII. At the end of the year each student who has been studying a

principal subject shall be entitled to receive a report of progress, signed by the Director.

- XIII. Scholarships may be established from time to time by the Council, or by private individuals, under such conditions as the Council may approve.
- XIV. The Council may authorise the holding of examinations in any of the above mentioned subjects, and may grant Diplomas or Certificates of efficiency to students who comply with the requirements of such examinations.
- XV. All students shall conform to the present and all future Rules "Of the Elder Conservatorium," drawn up by the Council.

*Allowed 21st December, 1910*

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## OF THE ELDER CONSERVATORIUM.

## RULES.

All students studying principal subjects shall conform to the following rules :—

1. Arrangements for continuing or receiving lessons shall be made through the Registrar of the University, to whom all fees shall be paid at the beginning of each term.

2. Students intending to discontinue lessons must give notice of such intention at least one month before the end of a term.

3. Students shall attend punctually at the hour appointed for their lessons. Students absent from lessons shall furnish the Director with an explanation of such absence.

4. Students shall not, except by permission of the Director, receive their lessons elsewhere than at the Conservatorium.

5. Students shall attend such orchestral, vocal, or other class, as the Director shall deem essential to their progress.

6. Students shall not take part in any public concert, or accept any public engagement, elsewhere than at the Conservatorium, except by permission of the Director.

7. Students shall not, except by permission of the Director, publish any composition. A copy of any composition so published shall be deposited in the Library of the Conservatorium.

8. Students guilty of impropriety or breach of the rules shall be reported to the Board of Discipline.

*Made by Council 16th December, 1910.*

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## DIPLOMA OF ASSOCIATE IN MUSIC. REGULATIONS.

I. Examinations for the Diploma of Associate in Music shall be held in each year during the month of November.

\*II. To obtain the Diploma of Associate each candidate must complete three academic years of study, not necessarily consecutive, at the University of Adelaide, in one of the undermentioned principal subjects, and must pass the examination proper to each year:—

1. Pianoforte Playing.
2. Singing.
3. Violin Playing.
4. Violoncello Playing.
5. Organ Playing.
6. Musical Composition.

III. No student shall be credited with the completion of any academic year of study in any subject unless he has attended three-fourths of the lessons given in that subject during three terms.

IV. At the first examination for the Diploma of Associate in Music each candidate shall be required to satisfy the Examiners in the following subjects:—

1. Musical Terminology.
2. Ear Tests: Sight Reading.
3. Harmony.
4. Principal subject.

V. At the second examination for the Diploma of Associate in Music each candidate shall be required to satisfy the Examiners in the following subjects:—

1. Harmony.
2. History of Music.
3. Principal subject.

VI. At the third examination for the Diploma of Associate in Music each candidate shall be required to satisfy the Examiners in the following subjects:—

1. Harmony.
2. History of Music.
3. Principal subject.

Each candidate must, unless the principal subject be pianoforte playing, play on the pianoforte to the satisfaction of the Examiners two pieces from a list of pieces to be published each year, and scales and arpeggios in forms defined by schedule.

VII. Candidates who make Pianoforte Playing, Singing, Violin, Violoncello, or Organ Playing their principal subject shall be required to perform any piece or pieces or any portion thereof selected by the Examiners from lists to be published each year. They shall also be required to undergo such other tests in Playing or in Singing as the Examiners shall require.

VIII. Candidates who elect to be examined in Musical Composition must send to the Registrar before the first day of the November in which the third examination takes place, a Musical Composition of such length as to occupy not less than ten minutes in performance. Such Musical Composition must show evidence of original thought, and may be written for any instrument or combination of instruments, or may be a vocal composition with instrumental accompaniment.

Further, candidates will be required to pass an examination in :—

Harmony	}	In not more than four parts.
Counterpoint		
Canon and Fugue		
Form in Musical Composition.		
History of Music.		

IX. The names of successful candidates shall be arranged in alphabetical order.

X. Candidates who have satisfied the Examiners shall be designated Associates in Music of the University of Adelaide.

XI. The following fees are prescribed :—

Fee for each Examination	...	...	...	...	£1	11	6
Fee for the Diploma	...	...	...	...	2	2	0

XII. Schedules defining, as far as may be necessary, the range of the examinations shall be published each year.

XIII. The Regulations for the Diploma of Associate in Music, allowed on the 18th September, 1900, are hereby repealed, but students who shall have completed a year's course of study prior to December 31, 1906, may enter for the examination under those regulations in 1907 or 1908, but not later.

*Allowed 3rd January, 1907.*

## ASSOCIATE IN MUSIC.

### SCHEDULE.

#### DETAILS OF SUBJECTS FOR EXAMINATION IN 1912.

#### FIRST YEAR.

#### PRACTICAL WORK.

#### **Pianoforte.**

Each Candidate will be required—

1. To play one or more pieces, or any portions of them, selected by the Examiner or Examiners from the following list:—
  - Cramer: Study in A major (No. 4 in the Bülow Ed.).
  - Berens: Study in A minor Op 66 (Book II., No. 1, Peter's Ed.).
  - Bach: Any *one* of the 3-part Inventions.
  - Beethoven: Sonata in G major, Op. 14—1st movement.
  - Chopin: Valse in C sharp minor, Op. 64, No. 2.

Further, Candidates may be examined in works studied by them during the year 1912 in addition to the foregoing.

2. To play from memory the following technical exercises  
Any major, minor, or chromatic scale—
  - (a) With each hand separately through a compass of four octaves
  - (b) With both hands together in similar motion an octave apart through a compass of four octaves
  - (c) With both hands together in contrary motion through a compass of two octaves. Minor scales in contrary motion will be required in the *harmonic* form only
  - (d) With each hand separately, beginning and ending on the third note of the scale instead of the first.
 Any arpeggio formed of common chords, chords of the dominant seventh and diminished seventh and their inversions
  - (a) With each hand separately through a compass of two octaves
  - (b) With both hands together in similar motion an octave apart through a compass of two octaves.

3. To read at sight.

4. To qualify in Ear Tests:—

Candidates will be required to state the name or names of an Interval or Intervals within the limits of a major ninth, played on the Pianoforte, and in each case the name of one of the two notes forming the interval being supplied to the candidate, he will be required to state the name of the other.

In each case the two notes forming the interval will be sounded simultaneously, and also immediately after one another.

5. To shew a general knowledge of matters connected with marks and signs, tonality, and form in the work presented for examination.

### Organ.

Each Candidate will be required—

1. To play one or more pieces, or any portions of them, selected by the Examiner or Examiners from the following list :—

Best: "Art of Organ Playing," Nos. 202 and 204.

Bach: Prelude and Fugue in G minor, from the Eight Short Preludes and Fugues.

Guilmant: Sonata in C minor, No. 3 (1st and 2nd movements).

Further, Candidates may be examined in works studied by them during the year 1912, in addition to the foregoing.

2. To play any major, minor, or chromatic scale—

(a) With the hands separately or together, compass three octaves

(b) With the feet alone, through the compass of the pedal board, but incomplete octaves will not be required.

3. To read at sight.

4. To qualify in Ear Tests :—

Candidates will be required to state the name or names of an Interval or Intervals within the limits of a major ninth played on the organ and in each case the name of one of the two notes forming the interval being supplied to the candidate, he will be required to state the name of the other.

In each case the two notes forming the interval will be sounded simultaneously, and also immediately after one another.

### Singing.

Each candidate will be required—

1. To submit to the Director of the Elder Conservatorium, not later than the last day of September, a list of works under the following headings :—

Solfeggi.

2 excerpts from Oratorios, one florid, one sustained; at least one must include a Recit.

1 Song in either French, German, or Italian.

1 English Song.

If such list be approved by the Director, the candidate will be required in the examination, to sing one or more pieces or portions of them, selected by the Examiner or Examiners, from that list.

Further, each candidate may be examined in works studied by him during the year 1912, in addition to those contained in the list approved.

2. To sing the ascending and descending major and minor (both forms) scales within the compass of his or her voice.

3. To sing at sight passages selected by the Examiner or Examiners.

4. To qualify in ear tests. Candidates will be required to sing from a given note the note above or below it, forming any diatonic interval within the compass of an octave.

**Violin.**

Each Candidate will be required—

1. To play one or more pieces, or any portions of them selected by the Examiner or Examiners from the following list :—

Kayser : Thirty-six Studies, Nos. 33 and 34.

Handel : Sonata in D, first and second movements.

Viotti : Concerto in A minor, first movement.

Svensden : Romance in G.

Further, Candidates may be examined in works studied by them during year 1912, in addition to the foregoing.

2. To play any major or minor scale, extending through a compass of two octaves.
  - (a) Detached bowing—one note to a bow
  - (b) Slurred bowing not more than four notes to a bow.
3. To read at sight.
4. To qualify in Ear Tests :—

Candidates will be required to state the name or names of an Interval or Intervals within the limits of a major ninth played on the pianoforte, and in each case the name of one of the two notes forming the interval being supplied to the candidate, he will be required to state the name of the other

In each case the two notes forming the interval will be sounded simultaneously, and also immediately after one another.

**Violoncello.**

Each Candidate will be required—

1. To play one or more pieces, or any portions of them, selected by the Examiner or Examiners from the following list :—

Dotzauer : Quarantes Etudes, Nos. 3, 6, and 8.

Davidoff : Romance sans paroles.

Marcello : Grave and last Allegro from Sonata in G (Schott).

2. To play any major or minor scale extending through a compass of two octaves.
  - (a) Detached bowing, one note to a bow.
  - (b) Slurred bowing, not more than four notes to a bow.
3. To read at sight.
4. To qualify in Ear Tests :—

Candidates will be required to state the name or names of an Interval or Intervals within the limits of a major ninth played on the Pianoforte, and in each case the name of one of the two notes forming the interval being supplied to the candidate, he will be required to state the name of the other.

In each case the two notes forming the interval will be sounded simultaneously, and also immediately after one another.

## PAPER WORK

for candidates in Practical Subjects.

1. Musical terminology and Elements of Music
  2. Common chords, dissonant triads and their inversions
  3. The chord of the dominant seventh and its inversions
- and candidates may be required to harmonise a simple figured bass limited to the above mentioned chords.

**Musical Composition.**

Candidates will be required to work a paper in Elementary Musical Composition will be required to show a knowledge of the Rhythmic construction of musical phrases and sentences, and in lieu of the paper work set for candidates in other principal subjects will be required to work a paper in Harmony, the scope of which will include ordinary combinations of diatonic harmony, suspensions, passing notes, key tonality, and modulation.

## SECOND YEAR.

## PRACTICAL WORK.

**Pianoforte.**

Each Candidate will be required—

1. To play one or more pieces, or any portions of them, selected by the Examiner or Examiners from the following list :—
  - Clementi : Study in B flat (No. 10 in Tausig's collection).
  - Moscheles : Study in G Op. 70, No. 3.
  - Kalkbrenner : Study in F, Op. 20, No. 11 (Franklin Taylor's "Progressive Studies," Book 35).
  - Bach : Prelude and Fugue in E major from the first Book of the "48."
  - Beethoven : Sonata in C, Op. 2, No. 3, first movement.
  - Schumann : "In der Nacht."

Further, Candidates may be examined in works studied by them during the year 1912, in addition to the foregoing.

2. To play from memory the following technical exercises :—
  - Any major, minor, or chromatic scale —
    - (a) With each hand separately through a compass of four octaves.
    - (b) With both hands together in similar motion at the intervals of an octave, a third, a sixth and a tenth, through a compass of four octaves.
    - (c) With both hands together in contrary motion, beginning with the key note in either hand, and the third of the scale in the other, through a compass of two octaves. Minor scales in contrary motion will be required in the *harmonic* form only. The scales to be played *legato* or *staccato*.

Arpeggios formed of common chords, dominant sevenths, diminished sevenths, and their inversions, with each hand separately, and with both hands together in similar motion an octave apart—compass, four octaves.

Octave scales (*staccato*) with each hand separately, and both hands together in similar motion, through a compass of three octaves.

3. To play at sight.
4. To qualify in ear tests.

Candidates will be required to name any interval within the limits of a major ninth, played on the pianoforte, and to recognise any of the following chords when played—major common chord, minor common chord, chord of the dominant seventh in root position

- 5 To shew a general knowledge of matters connected with marks and signs, tonality and form in the work presented for examination.

### Organ.

Each Candidate will be required—

1. To play any major, minor or chromatic scale :—

- (a) With the hands alone, through a compass of three octaves.
- (b) With the feet alone, through the compass of the pedal board except that incomplete octaves will not be required.
- (c) With the feet and each hand separately in contrary motion, compass one octave (minor scales in contrary motion to be in the harmonic form only).

2. To play one or more pieces or any portions of them selected by the Examiner or the Examiners from the following list :—

Bach : Sonata No. 1 in E flat, first movement.

Bach : Prelude and Figure in A (Bests edition Vol. 3)-

Rheinberger : Sonata No. 1 in C minor, first movement.

Guilmant : Allegretto in B minor.

Gade : Three pieces Op. 22—No. 1 in F major.

Further, Candidates may be examined in works studied by them during the year 1912 in addition to the foregoing.

3. To play at sight.
4. To qualify in ear tests.

Candidates will be required to name any interval within the limits of a major ninth, played on the Organ, and to recognise any of the following chords when played—major common chord, minor common chord, chord of the dominant seventh in root position.

5. To shew a general knowledge of matters connected with marks and signs, tonality and form in the work presented for examination.

**Violin.**

Each candidate will be required—

1. To play one or more pieces or any portions of them selected by the Examiner or Examiners from the following list :—

Kreutzer : Studies, Nos. 22 and 28.

Rode : Caprices, No. 1.

Bach : Sonata in C minor, No. 4, first and second movements.

Grieg : Sonata in G, Op. 13, first movement.

Wieniawski : Romance from 2nd Concerto.

Further, candidates may be examined in works studied by them during the year 1912, in addition to the foregoing.

2. To play from memory the following technical exercises :—

Any major, minor, or chromatic scale.

(a) Detached bowing—one note to a bow.

(b) Slurred bowing—seven notes to a bow.

(c) Spiccato bowing—two bows to each note.

Arpeggios formed of common chords and their inversions.

The compass of the scales and arpeggios to be up to the seventh position, but incomplete octaves will not be required.

3. To play at sight.

4. To qualify in ear tests.

Candidates will be required to name any interval within the limits of a major ninth played on the pianoforte, and to recognise any of the following chords when played—major common chord, minor common chord, chord of the dominant seventh in root position.

**Singing.**

Each candidate will be required—

1. To submit to the Director of the Elder Conservatorium, not later than the last day of September, a list of works under the following headings :—

Solfeggi.

2 excerpts from Oratorios, one florid, one sustained, and at least one must include a Recit.

1 Operatic excerpt in original language.

1 Song in either, French, German, or Italian, other than the language chosen for the operatic excerpt.

1 English Song.

If such list be approved by the Director, the candidate will be required in the examination, to sing one or more pieces or portions of them, selected by the Examiner or Examiners, from that list.

Further, each candidate may be examined in works studied by him during the year 1912, in addition to those contained in the list approved.

NOTE.—Candidates who passed the examination for the first year in 1911, or any prior year, may elect to be examined under the Syllabus for the year 1911.

2. To sing passages selected by the Examiner or Examiners at sight.

3. To qualify in Ear Tests :—Candidates will be required to sing from a given note the note above or below it forming any diatonic or chromatic interval within the compass of a major ninth, and to identify any such interval played upon the Pianoforte.

4. To sing all diatonic and chromatic scales and also arpeggios formed of common chords and the chord of the dominant seventh within the compass of his or her voice.

### PAPER WORK

for candidates in Practical Subjects.

The scope of the paper work will be as follows :—

(a) Harmony.

Common chords and their inversions.

The diatonic and chromatic chords of the seventh and ninth.

Modulation, suspensions, and passing notes.

Harmonization of figured basses limited to the foregoing combinations.

Harmonization of simple melodies.

(b) History.

History of music during the eighteenth century.

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### THIRD YEAR.

#### PRACTICAL WORK.

#### **Pianoforte.**

Each Candidate will be required—

1. To play one or more pieces or any portions of them, selected by the Examiner or Examiners from the following list :—

Bach : Prelude and Fugue in G minor from the second Book of the "48."

Mozart : Fantasia in C minor.

Beethoven : Sonata in F sharp Op. 78.

Chopin : Ballade in G minor.

Schumann : Toccata Op. 7.

Brahms : Rhapsodies, either one chosen by the Candidate.

Further, Candidates may be examined in works studied by them during the year 1912, in addition to the foregoing.

2. To play from memory the following technical exercises in addition to those prescribed for the Second Year :—

- (a) Arpeggios formed of common chords, dominant sevenths and diminished sevenths, both hands together in similar motion all positions of the chords being interchangeable between the two hands.
- (b) Double scales : major and minor scales in thirds and sixths, each hand separately, and both hands together in similar motion, chromatic scales in minor thirds, each hand separately and both hands together in similar motion, an octave apart.
- (c) Octaves : major minor and chromatic scales (*legato and staccato*) hands separately and both hands together in similar motion an octave apart.

3. To play at sight and to transpose.

4. To shew a thorough knowledge of matters connected with tonality and form in the work presented for examination.

### Organ.

Each Candidate will be required :—

1. To play one or more pieces or any portions of them selected by the examiners from the following list :—

Bach : Prelude and Fugue in C major.

Mendelssohn : Sonata in A, No. 3.

Rheinberger : Sonata in F sharp major.

Smart : Postlude in D.

Widor : Symphony No. 5 (first movement only).

Further, Candidates may be examined in works studied by them in 1912 addition to the foregoing.

2. To play at sight and to transpose.
3. To extemporise on a given subject.
4. To play at sight from a vocal score in four parts including the use of the "G" and "F" clefs but not that of the "C" clefs.
5. To show a thorough knowledge of matters connected with tonality and form in the work presented for examination.

### Violin.

Each Candidate will be required—

To play one or more pieces or any portions of them, selected by the Examiner or Examiners from the following list :—

Kreutzer : Studies, Nos. 29, 36.

Rode : Caprices, No. 7.

Bach : Solo Sonata in E.—Preludio, Gavotte.

Bruch : G. minor Concerto—Finale.

Grieg : Sonata in C minor, second movement.

Further, Candidates may be examined in works studied by them during the year 1912, in addition to the foregoing.

2. To play from memory the following technical exercises.

Any major, minor, or chromatic scale, with slurred, detached, and spiccato bowing—compass extending to the ninth position.

Arpeggios formed of common chords, chords of the dominant seventh and chords of the diminished seventh, together with their inversions—compass extending to the ninth position.

Scales in thirds, sixths, and octaves, C, G, D, F, B flat, E flat major, A. E. D. minor—compass extending to the seventh position.

3. To play at sight and to transpose.

### Singing.

Each Candidate will be required—

1. To submit to the Director of the Elder Conservatorium, not later than the last day of September, a list of works under the following headings:—

1 excerpt from an Oratorio with a Recit.

2 Operatic excerpts, one of which must be florid, in original language.

1 German Song.

1 French Song.

1 English Song.

If such list be approved by the Director, the candidate will be required in the examination, to sing one or more pieces or portions of them, selected by the Examiner or Examiners, from that list.

Further, each candidate may be examined in works studied by him during the year 1912, in addition to those contained in the list approved.

NOTE.—Candidates who passed the examination for the first year in 1911, or any prior year, may elect to be examined under the Syllabus for the year 1911.

2. To sing the following exercises:—

(a) Any major or minor scale from the key-note or the third note of the scale to the eleventh note, also the chromatic scale

(b) Any arpeggio formed of the major or minor common chord, and the chords of the dominant and diminished seventh.

3. To accompany himself on the pianoforte in a modern song or ballad.

4. To read at sight.

Candidates must show some physiological knowledge of the voice, and a knowledge of the general principles of voice production.

### PAPER WORK

for candidates in Practical Subjects.

The scope of the paper work will be as follows:—

*(a)* Harmony.

All harmonic combinations usual in part writing of not more than four parts.

Harmonization of melodies and basses (figured and unfigured) in not more than four parts.

*(b)* History of Music.

The Opera from A.D. 1600 to the time of Gluck.

The development of instrumental music from A.D. 1700 to A.D. 1825.

Form in Musical Composition.

Test in Pianoforte Playing for candidates who present themselves in subjects other than Pianoforte (v. Regulation VI).

1. Each candidate will be required to play the following Technical Exercises :—

*(a)* Major and minor scales in all keys, with each hand separately (compass—three octaves), and with both hands together, in similar motion, separated by an octave (compass—three octaves).  
All minor scales to be in both forms.

*(b)* Arpeggios formed of all the major and minor common chords with each hand separately (compass—three octaves).

2. Each candidate will be required to play two pieces selected by the candidate from the following list :

Bach : Invention in two parts, No. 8 in F.

Beethoven : Tempo di Minuetto from Op. 49, No. 2.  
Bagatelles, Op. 33, No. 1, in E Flat.

Mendelssohn : Songs without words, No. 9 in E.

Schumann : Kinderscenen, No. 2 in D.

## ELDER SCHOLARSHIPS.

### REGULATIONS.

I. Scholarships shall be offered for competition among Australasian Students of Music.

\*II. A Scholarship shall be tenable for three years, and shall entitle the holder to free tuition in one principal and one or more of the following secondary subjects, to be approved by the Director.—

Theory of Musical and History of Music.

Sight Singing and Musical Dictation.

Ensemble Playing.

Orchestral Playing.

Choral Singing.

The principal subject of study shall be the subject for which the Scholarship was awarded. The period of tenure may be extended by the Council.

A person elected to a Scholarship who declines to accept the emoluments thereof by reason of being able to pay for his or her education, or for other sufficient reason, may bear the title of Honorary Scholar. In such a case the Council may direct that the funds of the Scholarship be devoted to assist deserving students to meet the cost of their musical education.

A Scholarship will not be awarded a second time to the same student for the same principal subject.

III. The subjects for which Scholarships will be awarded shall for the present be—

Singing (two Scholarships).

Pianoforte Playing (two Scholarships).

Violin Playing (two Scholarships).

Musical Composition (one Scholarship).

Organ Playing (one Scholarship).

Violoncello Playing (one Scholarship).

If a Scholarship in any subject be not awarded, the Council may award the Scholarship for another subject.

\* Allowed April 24, 1907.

- IV. Candidates for Scholarships shall undergo such examination as the Council may from time to time direct.
- V. Should none of the Candidates competing for a Scholarship show sufficient merit, the Scholarship may be left vacant until such time as the Council may direct.
- VI. Successful candidates must, at the end of each Term, present to the Council a certificate of diligence and proficiency, in a form to be prescribed; and should such certificate be unsatisfactory, the Council may determine the tenure of the Scholarship on giving three months' notice to the holder. The Council may also summarily determine a Scholarship if the judgment of the Council the holder be guilty of misconduct.
- VII. No person may hold more than one of the Elder Scholarships at the same time.
- VIII. The limits of age for candidates for these Scholarships shall be as follows :—
- Singing—17 to 24.  
Pianoforte Playing—12 to 18.  
Violin Playing—12 to 18.  
Organ Playing—12 to 19. .  
Musical competition—12 to 25.  
Violoncello—12 to 18.
- IX. An examination fee of 10s. 6d. shall be paid by each candidate for a Scholarship.
- X. The places at which examinations for Scholarships shall be held and the mode in which such examinations shall be conducted shall be such as the Council approve

*Allowed December 7th, 1904.*

#### AWARDS.

For previous Awards see Calendar for 1908 (page 310).

- |      |   |
|------|---|
| 1908 | Cheek, Muriel Elizabeth (Singing)<br>Bröse, Henry Leopold Adolph Hermann (Pianoforte)—Resigned<br>Doenau, Ethel Annie (Pianoforte)<br>Williamson, Arthur Burton (Composition)<br>Wood, Walter James (Special for Tenor Voice) |
| 1909 | Reimann, Hilda (Violin)<br>Halls, Francis Harold (Singing)  |

- 1910 { Idle, Genevieve Mabel (Pianoforte)  
 { Kollosche, Samuel (Violin)  
 Smith, Frank Henry (Special for Tenor Voice).
- 1911 { Davies, Harold Whitridge (Violoncello).  
 { James Gertrude Primrose { Singing.  
 { O'Dea, Kathleen Mary

## ELDER CONSERVATORIUM FREE SCHOLARSHIP.

### RULES.

1. There shall be an annual scholarship to be called the "Elder Conservatorium Free Scholarship," which shall exempt the holder from payment during the tenure thereof of any fees for tuition or examination in the Elder Conservatorium. The tenure of the scholarship shall be for one year.

2. The Scholarship shall be awarded to such one of the students of the Elder Conservatorium as the Chancellor shall select from among those who, having for at least one academical year studied music in the Conservatorium, shall within one week after the end of that year be severally recommended in writing to him by their respective teachers for exceptional merit shown during that year in their respective courses of study. The Chancellor shall satisfy himself that each student whom he selects is a person of limited means. If on the expiration of such week the office of Chancellor shall be vacant, or the Chancellor shall be absent from South Australia, the Vice-Chancellor shall act in his stead.

3. Immediately after the end of each term during the tenure of the scholarship, the teacher of each scholar shall present to the Council a report as to the scholar's progress in musical studies and diligence; and the Council, whenever dissatisfied with any report, may, after or without enquiry, suspend temporarily or take away the scholarship, or admonish the scholar. Whenever a scholarship shall during any academical year become for any cause vacant, the vacancy shall not be filled during that year.

4. The scholarship shall not be awarded oftener than once to any student.

5. The Council may rescind or vary these Rules, but no rescission or material variation shall apply to any scholar during tenure of the scholarship or (if made after the commencement of an academical year) to any student who, but for such rescission or variation, would have been entitled to compete during that year for the scholarship.

## PRIZES.

---

### **The Robert Whinham Prize for Elocution.**

Whereas the Trustees of the late Robert Whinham have given the sum of £84 9s. 6d. for the purpose of providing a yearly Prize in Elocution, to be called after the late Robert Whinham, and the Council of the University of Adelaide have agreed to invest that sum and to apply the income thereof in the manner specified in these Rules, it is hereby provided that in consideration of the receipt by the University of the above-mentioned sum—

1. The Prize shall be called the "Robert Whinham Prize."

\*2. The Prize shall be of the annual value of £5, and shall be offered at a special examination in the third term of each year.

3. Only students of the Conservatorium who shall have attended the Elocution Class for at least three terms (not necessarily consecutive, but including the term in which the examination is held) shall be eligible to compete.

4. The Prize shall be awarded to the student who obtains the highest marks, provided the Council are satisfied that such student is worthy to receive it.

5. Candidates shall be examined in the following subjects:—

(i.) Reciting

(ii.) Reading at sight

(iii.) Prepared Reading, or

Prepared Speaking (at the option of the candidate).

6 These rules may be varied from time to time by the Council.

\* Amended by Council 24th September, 1909

Made by Council 15th December, 1905.

## AWARDS.

For previous awards see Calendar for 1911.

- |      |                                       |  |
|------|---------------------------------------|--|
| 1907 | Bloom, Rebecca                        |  |
| 1908 | Morris, Ermyrn Alice                  |  |
| 1909 | Watson, Lucy Marie                    |  |
| 1910 | Rosman, Mary                          |  |
| 1911 | { Morris, Idalie Mary Alberta } equal |  |
|      | { Mills, Sydney Sylvanus }            |  |
- 

**The Oratorio Prize.**

A prize of five guineas, presented by Frank G. Tolley, Esq., B.A., LL.B., will be awarded annually to the best singer of oratorio music.

## AWARDS.

For previous awards see Calendar for 1911.

- |      |                         |
|------|-------------------------|
| 1907 | Cheek, Muriel Elizabeth |
| 1908 | May, Stanley Harry      |
| 1909 | Checkett, Catherine     |
| 1910 | Roach, Mary Moyle       |
| 1911 | Forsaith, May East      |
- 

**The Frederick Bevan Prize.**

A prize of five guineas, presented by Frederick Bevan, Esq., Gentleman of H.M. Chapels Royal, will be awarded annually to the best pianoforte accompanist of vocal music.

## AWARDS.

For previous awards see Calendar for 1911.

- |      |                                  |
|------|----------------------------------|
| 1907 | Mattinson, Muriel Ruby           |
| 1908 | Taylor, Gladys Leslie            |
| 1909 | Deutscher, Emma Frances          |
| 1910 | Tod, Ethel Mary                  |
| 1911 | Wallmann, Beatrice May, A.M.U.A. |

### The Brookman Prize.

A prize of five guineas, presented by the Hon. George Brookman, M.L.C., will be awarded annually to the best performer on a stringed instrument played with the bow.

#### AWARDS.

For previous awards see Calendar for 1911.

- 1907 Whittington, Sylvia Muriel
- 1908 Homburg, Hansie
- 1909 Mack, Elford Hamilton
- 1910 Meegan, John
- 1911 Jacob, Denise Edmee Iris

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### The Ennis Prize.

A prize of five guineas, presented by Professor Ennis, Mus. Doc., will be awarded annually to the best performer on the Pianoforte.

#### AWARDS.

For previous awards see Calendar for 1911.

- 1907 Goss, Lucy Vera
- 1908 Jürs, Carlien Ethel May
- 1909 Bröse, Henry L. A. H.
- 1910 Adams, Kathleen Mary
- 1911 Tod, Ethel Mary

The Oratorio, the Brookman, the Frederick Bevan, and the Ennis Prizes are open to students, not being holders of either Elder Scholarships in the Conservatorium, or of the Elder Conservatorium Free Scholarship, who have studied at least two years (not necessarily consecutive) at the Elder Conservatorium. The Prizes will be awarded by the Council on the recommendation of the Examiner or Examiners from time to time appointed by the Board of Musical Studies.

No student may obtain more than one of the above mentioned prizes in the same year nor will any prize be awarded to the same student a second time.

No award will be made if in the opinion of the Examiners the candidate is not worthy of it.

ADELAIDE UNIVERSITY CALENDAR  
FOR THE YEAR 1912.

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PART III.

**Public Examinations.**

PUBLIC EXAMINATIONS BOARD AND COMMITTEE.

LOCAL CENTRES AND RULES.

TIME TABLES OF EXAMINATIONS.

PRIMARY PUBLIC EXAMINATION.

JUNIOR PUBLIC EXAMINATION.

SENIOR PUBLIC EXAMINATION.

HIGHER PUBLIC EXAMINATION.

JUNIOR COMMERCIAL EXAMINATION.

SENIOR COMMERCIAL EXAMINATION.

TENNYSON MEDALS.

PRIZES.

*The Pass Lists and Examination Papers for 1911 are published in  
the Pamphlet issued by the Public Examinations Board.*

**PUBLIC EXAMINATIONS BOARD and PUBLIC  
EXAMINATIONS COMMITTEE, 1912.**

THE BOARD.

Professor Henderson	Dr. W. T. Cooke
Professor Mitchell	Mr. W. Howchin
Professor Rennie	Dr. Mawson
Professor Stirling	Dr. Schulz
Professor Chapman	Mr. H. W. Gartrell
Professor Kerr Grant	Mr. E. V. Clark
Acting Professor Hollidge	Mr. W. Fuller

THE COMMITTEE.

The members of the Board and, in addition :—

Rev. H. Girdlestone, M.A.	Rev. J. M. O'Dwyer
Mr. M. M. Maughan, B.A.	Miss M. E. Patchell, B.A., B.Sc
Mr. F. Chapple, B.A., B.Sc.	

*Secretary :*

R. J. M. Clucas.

*Applications for forms of entry, for the formation of Centres, and all payments, are to be made to the Registrar of the University; other communications to the Secretary.*

**LOCAL CENTRES.**

Candidates may be examined at Local Centres in which a Committee of Management has been formed and approved by the Board.

Candidates desiring to sit at these Centres must make all applications, payments, and communications to the Local Secretaries. All Local Centres in Western Australia are managed by the Committee in Perth.

For list of Centres and Officers see page 27.

## FORMATION OF COUNTRY CENTRES.

### Rules.

The Council is willing to establish Local Centres for the delivery of Extension Lectures and for the holding of Public Examinations in country towns in which it can be shown that such Centres are likely to be of benefit.

1. Any application for the formation of a new Centre shall contain the following information :—
  - (a) Distance from any existing Centre, and means of communication with such Centre ;
  - (b) For what Examinations candidates are likely to be forthcoming ;
  - (c) What schools there are in the neighbourhood, whether public or private, with approximate number of pupils.
2. Whenever an application for the formation of a Centre has been favourably entertained, the following procedure shall be observed, viz. :—

A Committee composed of well-known persons occupying responsible positions, who have no such personal interest in the candidates as can lay them open to suspicion of partiality, shall be appointed at a public meeting convened for the purpose. A Chairman and Secretary shall also be appointed, either at the public meeting or by the Committee.

At the public meeting it should be explained :—

- (a) That the University is prepared to arrange for the delivery of Extension Lectures and for the holding of the Primary, Junior, Senior, and Higher Public Examinations, and the Junior Commercial and Senior Commercial Examinations ; also the Public Examinations in Theory and Practice of Music ;
- (b) That no charges beyond the statutory fees will be made, but that a room suitable for the Examinations must be provided free of cost to the University ;
- (c) That the supervision of Examinations must be undertaken by members of the Committee ;

- (d) That any local expenses in connection with the delivery of Extension Lectures or of the holding of Examinations must be defrayed locally;
- (e) That copies of the Extension Lectures scheme, copies of the Public Examinations manual and of the Music Examinations syllabus, and entry forms for all Examinations, may be obtained from the Local Secretary, with whom all entries should be lodged.
3. The election of a Committee and Officers shall be at once notified to the Council. The Committee shall have power to fill any vacancy, but in all cases the Council reserves the right of approving or disapproving of any proposed Committee or of any member of it.
4. If considered desirable by the University, an officer shall attend the public meeting convened for the purpose of forming a Centre, and explain objects, methods, &c., and occasionally visit the Centre.
5. Applications for the formation of new Centres must be made to the Registrar.

*Further information will be found in the detailed instructions to Local Centres.*

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## DATES OF EXAMINATIONS.

EXAMINATION.	LAST DAY OF ENTRY.	EXAMINATION BEGINS.
PRIMARY* ... ..	Tuesday, July 9 ..	Tuesday, August 20
JUNIOR* ... ..	Tuesday, October 1	Monday, November 11
SENIOR		
<i>March</i> ... ..	Monday, February 12	Tuesday, March 12
<i>November*</i> ... ..	Tuesday, October 1	Monday, November 11
HIGHER* ... ..	} Tuesday, October 1	Monday November 11
JUNIOR COMMERCIAL		
SENIOR COMMERCIAL		
ANGAS ENGINEERING		
EXHIBITION ... ..		

\* See detailed time tables on following pages.

In the Junior Commercial and Senior Commercial Examinations the days and hours of examination will be communicated to candidates after the entries have been received.

## PRIMARY, JUNIOR, SENIOR, AND HIGHER TIME TABLES FOR 1912.

The following are the time tables for the Primary, Junior, Senior, and Higher Examinations in 1912. Candidates are notified *that no entry cards will be forwarded for these examinations*; but lists of the names of candidates and their distinctive numbers will be posted at the University at least a week before the date fixed for the beginning of the examination. Candidates sitting at local centres will obtain their distinctive numbers from the local secretary. *Candidates are particularly requested to make themselves acquainted with their numbers before entering the examination room.*

### PRIMARY PUBLIC EXAMINATION.

AUGUST.	HOUR.	SUBJECT.
TUESDAY, 20th ... ..	9.30	Algebra
	11.30	Latin
	2.30	History
WEDNESDAY, 21st ... ..	10.0	Arithmetic
	2.0	English
THURSDAY, 22nd ... ..	9.30	Geometry
	1.0	Geography
	3.0	French
FRIDAY, 23rd .. ..	9.30	German
	11.30	Greek
	2.0	1st Grade Plane Geometry
	3.30	1st Grade Freehand

## JUNIOR, SENIOR, AND HIGHER PUBLIC EXAMINATION.

NOVEMBER.	HOUR.	JUNIOR.	SENIOR.	HIGHER.
MONDAY, 11th ...	9.30	Geometry ...	Geometry ... ..	Algebra and Trigonometry
	2	Latin ... ..	Latin ... ..	Latin i.
TUESDAY, 12th ...	9.30	Algebra ...	Arithmetic and Algebra ...	Geometry and Trigonometry
	2	English Literature	English Literature ... ..	English Literature
WEDNESDAY, 13th	9.30	Arithmetic	Trigonometry ... ..	Applied Mathematics
	2	History ...	Modern History ... ..	Modern History
THURSDAY, 14th ...	9.30	Geography ...	Physical Geography and Geology	Physical Geography and Geology
	2	Chemistry ...	Chemistry ... ..	Chemistry i.
FRIDAY, 15th ...	9.30	French ...	French ... ..	French
	2	Botany ...	Botany ... ..	Botany i.
MONDAY, 18th ...	9.30	Physics ...	Physics ... ..	Physics i.
	2	Greek ...	Greek ... ..	Greek i.
TUESDAY, 19th ...	9.30	German ...	German ... ..	German
	2	Physiology ...	Physiology ... ..	Physiology i.
WEDNESDAY, 20th	9.30	—	Ancient History ... ..	Ancient History
	2	—	—	Greek ii.
THURSDAY, 21st ...	9.30	—	—	Latin ii.
	2	—	—	Biology i.
FRIDAY, 22nd ...	9	—	—	Chemistry ii.
	2	—	—	Physiology ii.
MONDAY, 25th ...	9.30	—	—	Physics ii.
	2	—	—	Biology ii.
TUESDAY, 26th ...	9.30	—	—	Botany ii.

## PRIMARY PUBLIC EXAMINATION.

## REGULATIONS.

\*I. Every candidate must satisfy the Public Examinations Board in at least four of the following subjects, of which two must be numbers 1 and 2 :—

- |  |  |
|--|--|
| (1) English Grammar<br>and Composition<br>and Dictation  | (5) Greek<br>(6) Latin<br>(7) French                                 |
| (2) Arithmetic   | (8) German   |
| (3) Geography of the<br>British Isles and<br>Australasia | (9) Algebra<br>(10) Geometry<br>(11) Drawing, or<br>Theory of Music. |
| (4) English History                                      |  |

II. A candidate who does not pass in four subjects, including numbers 1 and 2, fails in the whole examination.

III. The examination will be held during the month of August or September in each year.

†IV. Candidates must give six weeks' notice of their intention to present themselves, and such notice must be given on a printed form, which may be obtained from the Registrar or, in the case of Local Centres, from the Local Secretary.

\*V. Each candidate at the time of giving notice to attend shall pay a fee of 10s. ; and if he enters for more than four subjects he shall pay a fee of 2s. 6d. for each additional subject ; but these fees do not include the fee for Theory of Music.

In no case will the fee be returned ; but if, not less than seven days before the examination, a candidate shall notify to the Secretary his intention to withdraw, the fee shall stand to his credit for a future examination.

VI. Candidates who may fail to give notice by the prescribed date may be permitted by the Board to present themselves on payment of an extra fee of 5s.

VII. A list of successful candidates, arranged in alphabetical order, showing the subjects in which the candidate passed and the last place of education from which each candidate comes, will be posted at the University and published in the report on the public examinations.

\* Allowed 21st December, 1910.

† Allowed 13th January, 1909.

- VIII. Each successful candidate shall be entitled to a certificate showing in what subjects the candidate has passed.
- IX. On application to the Secretary to the Board unsuccessful candidates shall be informed in what subjects they have failed.
- X. Schedules defining as far as may be necessary the range of the questions to be set shall be published not less than twelve months before the date of the examination to which they are intended to apply.

Allowed 11th December, 1901.

SYLLABUS FOR THE EXAMINATION TO BE HELD IN AUGUST,  
1912.

1. ENGLISH.

- (a) GRAMMAR. An elementary knowledge of grammatical distinctions, including inflexions, the parsing and analysis of sentences, and the detection of grammatical errors. The meaning of words in common use.
- (b) COMPOSITION. An essay or letter on a simple subject, mainly to test grammatical accuracy and punctuation.
- (c) DICTATION. A list of words in common use. The words will be taken from A. T. Quiller-Couch's *Historical tales from Shakespeare*.

2. ARITHMETIC.

Easy questions on the elementary processes of arithmetic, including fractions, non-recurring decimals, practice, rectangular areas and volumes.

3. GEOGRAPHY OF THE BRITISH ISLES AND AUSTRALASIA.

Geography of Australasia and of the British Isles, to be dealt with on the lines of Young's *Rational geography*, pt. 1 (*Philip*. 1s. 6d.). Teachers are advised to base the regional work on the general principles laid down in ch. i-x.

Candidates may be required to draw sketch-maps.

4. ENGLISH HISTORY.

Tout, T. F. *First book of English history*. (Longmans' Hist. ser. for Schools, bk. 1. 2s. 6d.)

5. GREEK.

Underhill, H. G. *Easy exercises in Greek accidence* (Macmillan 2s.), exercises i-xviii.

6. LATIN.

Longmans' *Latin course*, pt. 1. (Longmans. 1s. 6d.)

## 7. FRENCH.

- (a) Grammar. Fasnacht, G. E. *Progressive French course, first year.* (Macmillan. 1s.)
- (b) Easy translation from French into English, and from English into French. The vocabulary required will be that used in the grammar.

## 8. GERMAN.

- (a) Grammar. Fasnacht, G. E. *Progressive German course, first year.* (Macmillan. 1s. 6d.), pp. 1-77.
- (b) Easy translation from German into English, and from English into German. The vocabulary required will be that used in the grammar.

## 9. ALGEBRA.

Elements of algebra, including addition, subtraction, multiplication, division, easy fractions, easy equations of the first degree containing not more than two unknown quantities with problems leading to such equations.

## 10. GEOMETRY.

PRACTICAL GEOMETRY. The following constructions and easy extensions of them: Bisection of angles and of straight lines; construction of perpendiculars to straight lines; simple cases of the construction of triangles from sufficient data; construction of parallels to a given straight line; construction of angles equal to a given angle.

THEORETICAL GEOMETRY. The substance of the theorems contained in Euclid, Book I, Propositions 4-6, 8, 13-16, 18, 19, 26-30, 32; questions upon these theorems, easy deductions, and arithmetical illustrations.

Every candidate must be provided with a ruler graduated in inches and tenths of an inch and in centimetres and millimetres, a small set square, a protractor, compasses furnished with a hard pencil point, and a hard pencil.

Questions may be set in which the use of the set square or of the protractor is forbidden.

Figures should be drawn accurately with a hard pencil.

Any proof of a proposition will be accepted which appears to the examiners to form part of a logical order of treatment of the subject. In the proof of theorems and deductions from them, the use of hypothetical constructions is permitted.

## α. DRAWING.\*

- i First Grade Freehand, and  
ii First Grade Plane Geometry.

Text-books recommended :

- Gill, H. P. *Freehand Design.* (Gill. )  
Gill, H. P. *Practical plane geometry.* (Gill. 1s.)

\* For particulars concerning Drawing apply to the Principal and Examiner, Adelaide School of Art.

For the present the University will not examine in these subjects, but will accept the certificates of the Education Department of South Australia. The examination, however, must be passed at the same time as the other subjects of the examination.

**11b. MUSIC.**

Grade III of the Public Examinations in Music held by the Universities of Melbourne and Adelaide jointly.

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**JUNIOR PUBLIC EXAMINATION.**

REGULATIONS.

\*I. Every candidate shall be required to satisfy the Public Examinations Board in at least five of the following subjects, but there is no limit to the number of subjects for which a candidate may sit:—

- |                        |                          |
|------------------------|--------------------------|
| (1) English Literature | (9) Algebra              |
| (2) English History    | (10) Geometry            |
| (3) Geography          | (11) Physics             |
| (4) Greek              | (12) Inorganic Chemistry |
| (5) Latin              | (13) Physiology          |
| (6) French             | (14) Botany              |
| (7) German             | (15) Drawing, or         |
| (8) Arithmetic         | Theory of Music.         |

†II. The examination shall be held annually in the month of November or December.

III. Candidates who fail to pass in five subjects shall be credited with any subjects in which they do pass, and when they have completed the five subjects shall receive certificates showing the subjects in which they have passed, and the dates, but candidates may again present themselves in any subject in which they have already passed.

IV. Candidates who have already obtained certificates may have other subjects added to their certificates by passing them at later examinations.

†V. The following fees, which do not include fees for Drawing or Theory of Music, shall be paid by each candidate on entering his name for examination:—

For candidates who have not previously presented themselves	£1	0	0
Subsequent entries:			
For each separate subject	...	...	0 5 0
Or,			
For four or more subjects	...	...	1 0 0

In no case will the fee be returned, but if, not less than seven days before the examination, a candidate shall notify to the Secretary to the Board his intention to withdraw, the fee shall stand to his credit for a future examination.

\* Allowed 7th December, 1904.

† Allowed 19th January, 1910.

- \*VI. Candidates must, on or before the 1st of October, or, if the 1st of October falls on a Sunday, on or before the 2nd of October, give notice of their intention to present themselves for examination, and such notice must be given on a printed form which may be obtained from the Registrar, or, in the case of Local Centres, from the Local Secretary.
- VII. Candidates who fail to give notice by the prescribed date may be permitted by the Board to present themselves on payment of an extra fee of 5s.
- \*VIII. (a) The names of successful candidates, arranged in alphabetical order, showing the subjects in which the candidate passed and the last place of education from which each candidate comes, will be posted at the University and published in the Report on public examinations ;
- (b) The names of candidates who have distinguished themselves in the several subjects will also be published ;
- (c) The names of candidates who have distinguished themselves in the whole examination will also be published in order of merit. To the first three candidates on this list who shall be under sixteen years of age on the 1st December in the year in which the examination is held, shall be awarded prizes of the value of £10, £5, and £3 respectively. The position on the honour list will be determined by the aggregate of marks in not more than seven subjects. The scale of marks assigned to each subject shall be published in the schedule of details.
- IX. Schedules defining as far as may be necessary the range of the questions to be set shall be published not less than twelve months before the date of the examination to which they are intended to apply.

*Allowed 7th December, 1904.*

*Allowed 11th December, 1901.*

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## SYLLABUS FOR THE EXAMINATION TO BE HELD IN NOVEMBER, 1912.

### 1. ENGLISH LITERATURE.

- (a) Couch, A. T. Quiller-. *Historical tales from Shakespeare.* (Arnold. 1s. 6d.) Annotation will not be required.

Murdoch, W. *School treasury of English literature: section 4* (*Lothian*. 1s. 3d.); with repetition of the extracts from Shakespeare, Gray, and Newbolt.

- (b) Composition: Punctuation, order of words, structure of sentences, purity and propriety of diction.  
 [These subjects are dealt with in Nesfield's *Manual of English, grammar and composition* (*Macmillan*. 2s. 6d.), ch. xiv-xix.]
- (c) Candidates are required to do exercises in parsing and analysis.

2. ENGLISH HISTORY.

Tout, T. F. *History of Great Britain from the earliest times to the present day.* (*Longmans' Hist. ser. for schools, bk. 2.* 3s. 6d.)

3. GEOGRAPHY.

General knowledge of the geography of the world. More detailed knowledge of the British Empire. Sketch-maps may be required of any portion of the British Empire, including the more important information contained in ordinary school maps.

Books suggested :

- (a) Young, E. *Rational geography, pts. 2-3.* (*Philip*. 1s. 6d. each).
- (b) Howchin, W. *Geography of South Australia (Whitcombe and Tombs. 3s. 6d.): pts. 1, 3, and 4* Alternative questions will be set for such candidates as prefer to deal with Western Australian conditions.

4. GREEK.

- (a) Grammar.

Rutherford, W. G. *First Greek accidence.* (*Macmillan*. 2s.)

Naylor, H. D. *Short parallel syntax of Latin and Greek.* (*G. Hassell & Son* 1s. 3d.) Sentences will be set on the subject-matter with which this text-book deals, but detailed knowledge will not be required at this stage.

- (b) Easy prose composition. Simple sentences to test knowledge of accidence and the more common principles of syntax.

Vocabulary will be such words as are found in *Thucydides' Rise of the Athenian empire; ed. by F. H. Colson* (*Macmillan*. 1s. 6d.) This book is not set as a text-book, but is recommended merely as a general guide to teachers.

- (c) Easy translation from Greek into English.

5. LATIN.

- (a) Grammar.

*Longmans' Latin course, pt. 2.* (*Longmans*, 2s. 6d.)

Postgate, J. P. *New Latin Primer* (*Cassell*. 2s. 6d) is recommended for reference.

Naylor, H. D. *Short parallel syntax of Latin and Greek.* (*G. Hassell & Son*. 1s. 3d.) Sentences will be set on the subject-matter with which this text-book deals but detailed knowledge will not be required at this stage.

- (b) Easy prose composition. Simple sentences to test knowledge of accidence and the more common principles of syntax.

Vocabulary will be such words as are found in *Scenes from the life of Hannibal: selections from Livy; ed. by W. D. Lowe* (*Clar. Pr.* 1s. 6d.) This book is not set as a text-book, but is recommended merely as a general guide to teachers.

(c) Easy translation from Latin into English

#### 6. FRENCH.

(a) Grammar.

(b) Easy prose composition. Simple sentences to test knowledge of accidence and the more common principles of syntax.

Vocabulary will be such words as are found in Arnold's *Lectures françaises: bk. 1*, by J. S. Wolff (Arnold. 1s. 3d.). This book is not set as a text-book, but is recommended merely as a general guide to teachers.

(c) Easy translation from French into English.

#### 7. GERMAN.

(a) Grammar.

(b) Easy prose composition. Simple sentences to test knowledge of accidence and the more common principles of syntax.

Vocabulary will be such words as are found in *First German reader; ed. by F. L. Savory* (Arnold. 1s. 6d.). This book is not set as a text-book, but is recommended merely as a general guide to teachers.

(c) Easy translation from German into English.

#### 8. ARITHMETIC.

As for the Primary Examination and, in addition: interest and discount, percentages, profit and loss, ratio and proportion, unitary method, square roots, stocks and shares, metric system and approximations, areas of parallelograms triangles and circles, volumes of prisms and pyramids.

#### 9. ALGEBRA.

As for the Primary Examination and, in addition: fractions and factors; greatest common measure and least common multiple; the solution of equations of the first degree and questions producing such equations; and the solution of easy quadratic equations involving one unknown quantity. Questions may be set on graphs, and when such papers are set, squared paper will be provided.

#### 10. GEOMETRY.

As for the Primary Examination and, in addition :

**PRACTICAL GEOMETRY.** Simple cases of the construction of quadrilaterals from a sufficient number of data ; division of straight lines into a given number of equal parts ; construction of a triangle equal in area to a given polygon ; construction of tangents to a circle ; construction of common tangents to two circles.

**THEORETICAL GEOMETRY.** The substance of the theorems contained in Euclid, Book I, Propositions 33-41, 43, 47, 48, and Book III, Propositions 3, 14-16, 18-22, 31 ; questions upon these theorems, easy deductions, and arithmetical illustrations.

Every candidate must be provided with a ruler graduated in inches and tenths of an inch and in centimetres and millimetres. a small set square, a protractor, compasses furnished with a hard pencil point, and a hard pencil.

Questions may be set in which the use of the set square or of the protractor is forbidden.

Figures should be drawn accurately with a hard pencil.

Any proof of a proposition will be accepted which appears to the examiners to form part of a logical order of treatment of the subject. In the proof of the theorems and deductions from them, the use of hypothetical constructions is permitted.

## 11. PHYSICS.

Questions will be set requiring a knowledge of the elementary principles of mechanics, hydrostatics, and heat; and of simple illustrative experiments such as are contained in Rintoul's *Introduction to practical physics*. (Macmillan. 2s. 6d.) The following books may also be consulted:

Gregory, R. A. and Simmons, A. T. *Exercises in practical physics*; ed. by M. P. Hansen. (Macmillan. 2s. 6d.)

Eggar, W. D. *Mechanics*. (Arnold. 3s. 6d.)

Sanderson, F. W. *Hydrostatics for beginners*. (Macmillan. 2s. 6d.)

Jones, D. E. *Elementary lessons in heat*. (Macmillan. 2s. 6d.)

**PRACTICAL WORK.** Candidates may submit laboratory note-books containing the dated records of not less than *twenty* experiments on the subject-matter prescribed. No marks will be assigned in the examination, but the examiners will report on the practical work in *Notes by examiners*. These books should be initialled after each experiment by the science master in charge of the laboratory, and countersigned on the last page by the head master.

N.B. *It is to be understood that this practical work is voluntary.*

## 12. INORGANIC CHEMISTRY.

Text-book recommended :

Parrish, S. *Chemistry for organised schools of science; with introd.* by D. Forsyth. (Macmillan. 2s. 6d.)

## 13. PHYSIOLOGY.

Text-book recommended :

Foster and Shore. *Physiology for beginners*. (Macmillan. 2s. 6d.)

Candidates will be required to show a practical acquaintance with the position, appearance, and general structure of the principal organs of the vertebrate body.

## 14. BOTANY.

Candidates will be required to show an elementary acquaintance with the external form, naked eye structure, and life of flowering plants; the forms and functions of roots, stems, and foliage leaves; the uses of the several parts of a flower; fruits and seeds, their structure, dispersal, etc.; germination and growth of a flowering plant; the food supply of green plants. Questions will have especial reference to the following illustrative plants: *Buttercup, wallflower, poppy, and eschsholtzia, hollyhock, pteridogonium, orange, apricot and quince, French bean, eucalyptus; maurandia, salvia, sunflower; lily, narcissus, orchid.*

## 15a. DRAWING.\*

- i First Grade Model, and
- ii Intermediate Geometry.

Candidates are advised that a knowledge of First Grade Plane Geometry will be necessary to the working of the problems in this subject.

Text-book recommended :

Gill, H. P. *Elementary solid geometry or projection. pt. 1.*  
(Gill. 1s.)

For the present the University will not examine in these subjects, but will accept the certificates of the Board of Governors of the Public Library, Museum, and Art Gallery of South Australia, or of the Education Department of South Australia to whom all fees for Drawing must be paid.

Candidates who wish to have Drawing recorded as one of their subjects must enter it on the appropriate entry form for the November examination.

\* For particulars concerning Drawing apply to the Principal and Examiner, Adelaide School of Art.

## 15b. THEORY OF MUSIC.

The Board does not examine in this subject, but candidates are required to pass in Grade II of the Public Examinations in Music held by the Universities of Melbourne and Adelaide jointly. Candidates, however, who hold the certificate of the University of Adelaide in Senior Theory of Music for 1903 or later, will be credited with this subject.

## SCALE OF MARKS FOR CREDIT LIST.

English Literature	...	...	300	Algebra	...	...	...	300
English History	...	...	300	Geometry	...	...	...	300
Geography	...	...	200	Physics	...	...	...	200
Greek	...	...	400	Chemistry	...	...	...	200
Latin	...	...	400	Physiology	...	...	...	200
French	...	...	300	Botany	...	...	...	200
German	...	...	300	*Drawing	...	...	...	200
Arithmetic	...	...	200	*Theory of Music	...	...	...	

\* This subject does not count for general honour list.

## SENIOR PUBLIC EXAMINATION.

## REGULATIONS.

\*I. Every candidate shall be required to satisfy the Public Examinations Board in at least five of the following subjects:—

- |  |   |
|--|---|
| (1) English Literature                           | (9) Trigonometry                            |
| (2) Modern History, <i>or</i><br>Ancient History | (10) Physics                                |
| (3) Greek  | (11) Inorganic Chemistry                    |
| (4) Latin  | (12) Physiology                             |
| (5) French                                       | (13) Botany                                 |
| (6) German                                       | (14) Physical Geography and<br>Geology      |
| (7) Arithmetic and<br>Algebra                    | (15) Drawing, <i>or</i><br>Theory of Music. |
| (8) Geometry                                     |   |

†II. (a) The examination shall be held annually in the month of November or December.

(b) A special examination will be held in March, at which only those who are undergraduates or who intend to enter in the same year upon a course of study for a degree or for the final certificate in Law shall be allowed to present themselves. Candidates for this examination must enter their names at least one month previously, and must state for which course of study they intend to enter.

III. Candidates who fail to pass in five subjects shall be credited with any subjects in which they do pass, and when they have completed the five subjects shall receive certificates showing the subjects in which they have passed, and the dates, but candidates may again present themselves in any subject in which they have already passed.

IV. Candidates who have already obtained certificates may have other subjects added to their certificates by passing them at later examinations.

†V. The following fees, which do not include fees for Drawing or Theory of Music, shall be paid by each candidate on entering his name for the examination:—

\* Allowed 13th January, 1909

† Allowed 19th January, 1910.

For candidates who have not previously presented themselves	£1 10 0
Subsequent entries :—	
For each separate subject or division ... ..	0 10 0
Or,	
For three or more subjects. ....	1 10 0

## SPECIAL EXAMINATION IN MARCH.

For the whole examination ... ..	£3 0 0
Or, for each separate subject or division ... ..	1 0 0

In no case will the fee be returned ; but if, not less than seven days before the examination, a candidate shall notify to the Secretary to the Board his intention to withdraw, the fee shall stand to his credit for a future examination.

\*VI. Candidates must, on or before the 1st of October, or, if the 1st of October falls on a Sunday, on or before the 2nd of October, give notice of their intention to present themselves for examination, and such notice must be given on a printed form which may be obtained from the Registrar, or, in the case of Local Centres, from the Local Secretary.

VII. Candidates who fail to give notice by the prescribed date may be permitted by the Board to present themselves on payment of an extra fee of 5s.

†VIII. (a) The names of successful candidates, arranged in alphabetical order, showing the subjects in which the candidate passed, and the last place of education from which each candidate comes, will be posted at the University and published in the Report on public examinations.

(b) The names of candidates who have distinguished themselves in the separate subjects will also be published.

(c) The names of candidates who have distinguished themselves in the whole examination will also be published in order of merit. To the first three candidates on this list who shall be under seventeen years of age on the 1st December in the year in which the examination is held, shall be awarded prizes of the value of £10, £5, and £3 respectively. The position on the honour list will be determined by the aggregate of marks in not more than seven

\* Allowed 7th December, 1904.

† Allowed 19th January, 1910.

subjects. The scale of marks assigned to each subject shall be published in the schedule of details.

*Clauses (b) and (c) of this Regulation do not apply to the Special Examination in March.*

- IX. Schedules defining, as far as may be necessary, the range of the questions to be set shall be published not less than twelve months before the date of the examination to which they are intended to apply.

*Allowed 11th December, 1901.*

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SYLLABUS FOR THE EXAMINATION TO BE HELD IN  
NOVEMBER, 1912, AND MARCH, 1913.

1. ENGLISH LITERATURE.

- (a) Shakespeare. *Coriolanus*; ed. by E. K. Chambers, (*Warwick Shakespeare*. 1s. 6d.) The appendices and the essay on metre are to be studied.
- (b) Ruskin. *The Ruskin reader* (*Allen*. 1s. net), with repetition of 'The Lamp of Obedience' (p. 68) and 'The Leaf Monuments' (p. 158).
- (c) Moore. *Paradise and the Peri*; ed. by H. Evans. (*Blackie's Eng. class*. 4d.).
- (d) Composition: As for the Junior, together with clearness, ease, terseness, and elegance of diction; figures of rhetoric.  
[These subjects are dealt with in Nesfield's *Manual of English grammar and composition* (*Macmillan*. 2s. 6d.) ch. xiv-xxiii, xxvi ]

2. HISTORY.

Candidates may enter either for (a) or (b), or for both, but only one of these divisions will count for general honour list or certificates.

(a) MODERN HISTORY.

Gardiner, S. R. *Students' history of England, vol. II, A. D. 1509-1689.* (*Longmans*. 4s.)

(b) ANCIENT HISTORY.

Shuckburgh, E. S. *History of Rome for beginners* (*Macmillan*. 3s. 6d.). ch. xi-xxi.

Oman, C. W. C. *History of Greece, 8th ed.* (*Longmans*. 4s. 6d.). ch. xxvii-xxxiv.

3. GREEK.

(a) Grammar.

Rutherford, W. G. *First Greek accidence.* (*Macmillan*. 2s.)

Naylor, H. D. *Short parallel syntax of Latin and Greek.* (*G. Hassell & Son*. 1s. 3d.) Sentences will be set on the subject-matter with which this text-book deals.

- (b) Prose composition.
- (c) Passages for translation from unprepared books.
- (d) Plato. *Selections*; ed. by L. L. Forman (Macmillan. 5s.) pp. 42-64 and 177-190.  
Euripides. *Alcestis*; ed. by E. H. Blackeney. (Bell's *Illus. class. 2s.*)

## 4. LATIN.

## \*(a) Grammar.

Postgate, J. P. *New Latin primer* (Cassell. 2s. 6d.) is recommended.

Naylor, H. D. *Short parallel syntax of Latin and Greek*. (G. Hassell & Son. 1s. 3d.) Sentences will be set on the subject matter with which this text-book deals.

- (b) Prose composition.
- (c) Passages for translation from unprepared books.
- (d) Cicero. *De amicitia*; ed. by H. J. L. J. Massè (Bell's *Illus. class. 1s. 6d.*).  
Vergil. *Aeneid, lib. V*; ed. by A. Sidgwick. (Pitt Pr. 1s. 6d.).

## 5. FRENCH.

- (a) Grammar
- (b) Prose composition.
- (c) Passages for translation from unprepared books.
- (d) About. *Le Roi des montagnes*; ed. by E. Weekley. (Macmillan. 2s. 6d.)  
Corneille. *Scenes from Le Cid*. (Blackie's *Little French class. 4d.*)

## 6. GERMAN.

- (a) Grammar
- (b) Prose composition.
- (c) Passages for translation from unprepared books.
- (d) Schrader, F. *Friedrich der Grosse und der siebenjährige Krieg*; ed. by E. H. Allpress. (Macmillan. 2s. 6d.)  
Schiller. *Der Neffe als Onkel*. (Blackie's *Little German class. 1s.*)

## 7. ARITHMETIC AND ALGEBRA.

ARITHMETIC, including the theory of the various processes; the elements of mensuration, including the areas of parallelograms, triangles, circles, and the surfaces of spheres and cones; the volumes of parallelpipeds, prisms, pyramids, spheres, and cones.

ALGEBRA as for the Junior Examination and, in addition, quadratic equations involving one or more unknown quantities, and problems leading thereto; indices and surds; ratio and proportion; the nature of logarithms, and the use of logarithms to the base 10.

## 8. GEOMETRY.

As for the Junior Examination, and in addition:

PRACTICAL GEOMETRY. Construction of a segment of a circle containing an angle of given magnitude; division of straight lines into parts in any given proportions; constructions of a fourth proportional to three given straight lines, and of a mean proportional to two

given straight lines; division of straight lines in extreme and mean ratio; division of a straight line internally or externally into segments, so that the rectangle under the parts is equal to a given square; construction of regular polygons in and about circles; construction of a circle from sufficient data of the following character: (1) radius given, (2) point on the circle given, (3) contact with a given straight line of circle, (4) contact with a given straight line at a given point; construction of a rectilinear figure to a specified scale or of specified area, and similar to a given figure; construction of a square equal in area to a given polygon.

Illustration and explanation by means of rectangular figures of the following identities:

$$k(a+b+c+\dots) = ka + kb + kc + \dots$$

$$(a+b)^2 = a^2 + 2ab + b^2$$

$$(a-b)^2 = a^2 - 2ab + b^2.$$

$$a^2 - b^2 = (a+b)(a-b).$$

**THEORETICAL GEOMETRY.** The substance of the theorems contained in Euclid Book III, Propositions 32, 35-37; Book VI, Propositions 1-8, 19, 20, 33, together with Propositions A and D; questions upon these theorems, easy deductions from them, and arithmetical illustrations.

In dealing with proportion it may be assumed that all quantities of the same kind can be treated as commensurable.

Every candidate must be provided with a ruler graduated in inches and tenths of an inch and in centimetres and millimetres, a small set square, a protractor, compasses furnished with a hard pencil point, and a hard pencil.

Questions may be set in which the use of the set square or of the protractor is forbidden.

Figures should be drawn accurately with a hard pencil.

Any proof of a proposition will be accepted which appears to the examiners to form part of a logical order of treatment of the subject. In the proof of theorems and deductions from them, the use of hypothetical constructions is permitted.

## 9. TRIGONOMETRY.

The measurement of angles in rectangular and circular measure; the trigonometrical ratios; determination of the values of the trigonometrical ratios for angles of  $0^\circ$ ,  $30^\circ$ ,  $45^\circ$ ,  $60^\circ$ , and  $90^\circ$ ; relations between the trigonometrical ratios of the same angle; expression of any one of these ratios in terms of any other; construction of angles with given trigonometrical ratios; solution of simple trigonometrical equations; solution of right-angled triangles; measurement of the trigonometrical ratios of angles in the different quadrants, and the tracing of the changes of value as the angle varies from  $0^\circ$  to  $360^\circ$ ; expressions for the sine, cosine, tangent, and cotangent of the sum and difference of two angles in terms of the corresponding ratios of the angles; trigonometrical ratios of multiple angles; common logarithms and the use of mathematical tables; such relations between the sides and angles of a triangle as are necessary for the solution of triangles, having given three sides, or one side and two angles, or two sides and the angle between them.

Either of the following books will be found suitable, but any book may be used provided the preceding syllabus be covered :

Loney, S. L. *Elements of trigonometry* (Cambridge Univ. Pr. 3s. 6d.), ch. i—xii, xiv.

Playne and Fawdry. *Practical trigonometry.* (Arnold. 2s 6d.)

## 10. PHYSICS.

### (a) THEORETICAL WORK.

Heat, light, sound magnetism, and electricity, as in Wright's *Elementary physics.* (Longmans. 2s. 6d.) A knowledge of the principles involved in the subjoined list of experiments will also be required.

- (b) PRACTICAL WORK. Candidates may submit laboratory note-books containing the dated descriptions of not less than *twenty-five* experiments on the syllabus prescribed. No marks will be assigned in the examination, but the examiners will report on the practical work in *Notes by examiners.* These note-books should be initialled after each experiment by the science master in charge of the laboratory, and countersigned on the last page by the head master. Note-books should be handed in by the candidates at the time of presenting themselves for examination, and will be returned on application after the publication of results.

*N.B.* It is to be understood that this practical work is voluntary.

The following list of experiments is intended merely to suggest the type and standard which will satisfy the Board, and is not meant to restrict the freedom of the teacher in selecting or devising experiments. It is, however, essential that any course of experimental work should be representative of the complete syllabus.

#### i. Heat.

- (1) The thermometer: calibration by standard; test of fixed points.
- (2) Determination of coefficient of apparent expansion of liquid in glass.
- (3) Simple air-thermometer.
- (4) Determination of specific heat of a solid or liquid by the method of mixtures.
- (5) Determination of the melting-point of a solid such as paraffin wax (i) by the direct method, (ii) from observation of the rate of cooling.
- (6) Determination of the boiling-point of a liquid such as alcohol (i) by the direct method, (ii) by the U-tube (Jones's) method.
- (7) Preparation of freezing mixtures.
- (8) Lowering of temperature by evaporation.
- (9) Comparison of conducting powers of solids.

#### ii. Light.

- (10) Photometry: determination of the candle-power of a source of light by means of Bunsen's, Joly's, or Rumford's photometer.

- (11) Law of reflection.
- (12) Law of refraction.
- (13) Focal length of concave mirror: conjugate focal points; magnification of image.
- (14) Focal length of converging lens: conjugate focal points.
- (15) Total reflection: critical angle for water.
- (16) Formation of a pure spectrum.
- (17) Colour mixtures.

iii. *Sound.*

- (18) Non-transmission of sound *in vacuo*.
- (19) The sonometer: laws of vibratory strings.
- (20) Resonance: velocity of sound by tuning-fork and resounding air column.
- (21) Reflection of sound.

iv. *Magnetism.*

- (22) Properties of the bar magnet: determination of magnetic poles and axis; distribution of free magnetism.
- (23) Magnetic induction.
- (24) Methods of magnetization.
- (25) Map of lines of force of bar or horse-shoe magnet.
- (26) Determination of the declination. (The geographical meridian should be determined once for all and marked in the laboratory.)
- (27) Determination of the dip.

v. *Electricity.*

- (28) The gold-leaf electroscope: development of equal and opposite charges by friction; induction by Faraday's ice-pail experiment; comparative insulating powers of substances.
- (29) The plate-condenser.
- (30) The condensing electroscope; comparison of the E.M.F.'s of cells.
- (31) Construction of simple voltaic cell; effects of current in wire.
- (32) Polarization of simple cell.
- (33) The galvanometer.
- (34) Variation of current with resistance; Ohm's law.
- (35) Electrolysis; the copper voltameter.
- (36) Magnetic action of coil carrying a current; the electro-magnet.

The following books may be consulted:

Glazebrook, R. T. *Heat.* (Camb. Univ. Pr. 3s.)

Hadley, H. E. *Magnetism and electricity for beginners.* (Macmillan. 2s. 6d.)

## 11. INORGANIC CHEMISTRY.

Text-book recommended:

Fisher, W. W. *Class book for elementary chemistry, 5th ed.* (Clar. Pr. 4s. 6d.), omitting ch. xxx-xxxiv.

## 12. PHYSIOLOGY.

Text-book recommended :

Hill, L. *Manual of human physiology.* (Arnold. 6s.) A detailed knowledge of the physics and chemistry contained in the first six chapters or occurring elsewhere in the text-book will not be required.

Candidates will be required to show a practical acquaintance with the position, appearance, and structure of the most important tissues and organs of the vertebrate body, and may be called upon to perform some easy exercise in dissection.

## 13. BOTANY.

Morphology, physiology, and oecology of plants. Examination of the principal genera and important structural peculiarities of the following natural orders: *Ranunculaceae*, *Cruciferae*, *Papaveraceae*, *Malvaceae*, *Geraniaceae*, *Rutaceae*, *Rosaceae*, *Leguminosae*, *Proteaceae*, *Myrtaceae*, *Primulaceae*, *Solanaceae*, *Scrophulariaceae*, *Labiatae*, *Compositae*, *Goodeniaceae*, *Liliaceae*, *Amaryllidaceae*, *Orchidaceae*. In the orders *Rosaceae*, *Leguminosae*, *Myrtaceae*, and *Compositae* a knowledge of the following genera will be regarded as necessary: *Rosaceae*—*Fragaria*, *Rubus*; *Spiraea*; *Prunus*; *Rosa*; *Pyrus*. *Leguminosae*—*Acacia*; *Bauhinia* or *Cassia*; *Cytisus*; *Medicago*; *Pisum* or *Vicia*; *Kennedya*. *Myrtaceae*—*Myrtus*; *Melaleuca*; *Eucalyptus*. *Compositae*—*Centaurea*; *Helichrysum*, *Bellis*; *Sonchus*. Questions relating to obscure characters, or those not readily determined without the aid of a compound microscope will not be set.

As evidence that practical work has been carried out during the year, candidates will be required to submit note-books in which have been recorded results and explanations of the experiments and observations they have made on the physiology and oecology of plants, as well as drawings and notes illustrating at least one example in each of the specified orders; each record is to be dated, and satisfactory evidence furnished that, except where otherwise indicated, such records are the work of the candidates themselves.\* Excellent experiments are given in Osterhout's *Experiments with plants* (Macmillan. 5s. net), and in Stevens's *Introduction to botany* (Heath, 4s. 6d.), but these are not intended to restrict the freedom of the teacher in selecting or devising experiments. It is, however, advisable that the course of experimental work should be as far as possible representative of the complete syllabus. No marks will be assigned in the examination, but if the note-books are not of sufficient merit the candidate will not be allowed to pass. The books should be handed in by the candidates at the time of presenting themselves for examination, and will be returned on application after the publication of results.

Text-books recommended :

Ewart, A. J. *New matriculation botany* (Univ. Tutorial Pr. 3s. 6d.), omitting the section on the origin of phyllotaxis and that on the microscopical development of the ovule.

For reference :

Tate, R. *Flora of South Australia.* (S. A. Education Dept. 5s. net.)

Black, J. M. *Naturalised flora of South Australia.* (Black. 5s.)

\* Forms of certificate to be attached to the note-books may be obtained at the University.

#### 14. PHYSICAL GEOGRAPHY AND GEOLOGY.

##### PHYSICAL GEOGRAPHY.

Text-books recommended :

- (a) Tarr, R. S. *New physical geography* (Macmillan. 4s. 6d. net), ch i--xi.
- (b) Howchin, W. *Geography of South Australia*, (Whitcombe and Tombs 3s. 6d.); *Introduction. Pt. 2* (flora and fauna excepted), and *Pt. 4*. Alternative questions will be set for such candidates as prefer to deal with Western Australian conditions.

##### GEOLOGY.

Questions will be confined to the undermentioned topics :

Common rocks, their composition and modes of origin ; disintegration and denudation ; rock-building (sedimentary) ; rock structures and earth movements, including joints, cleavage, elevation and depression of the land, dip, strike, foldings, faults, unconformity, &c. ; springs and underground drainage, saline basins ; metamorphism ; volcanic phenomena ; earthquakes ; origin of landscape ; economic geology.

Text-book recommended :

Watts, W. W. *Geology for beginners* (Macmillan. 2s. 6d.), ch. i-ix, xi xii, xv, xxii-xxiii, and such other portions as refer to the topics mentioned above.

#### 15a. DRAWING.\*

Candidates must pass in (i) and (ii), or in (i), (iii) and (iv).

- (i) Intermediate Perspective
- (ii) Second Grade Plane Geometry
- (iii) Second Grade Freehand
- (iv) Second Grade Model.

Candidates for (i) must have a knowledge of First Grade Plane Geometry and Intermediate Geometry ; for (ii) must have a knowledge of First Grade Plane Geometry ; and for (iii) and (iv) must have taken the certificates in First Grade Freehand and First Grade Model.

For the present the University will not examine in these subjects, but will accept the certificates of the Board of Governors or the Public Library, Museum, and Art Gallery of South Australia, or of the Education Department South Australia to whom all fees for Drawing must be paid.

\* For particulars concerning Drawing apply to the Principal and Examiner, Adelaide School of Art.

Candidates who wish to have Drawing recorded as one of their subjects must enter it on the appropriate entry form for the November (or March) examination.

#### 15b. THEORY OF MUSIC.

The Board does not examine in this subject, but candidates are required to pass in Grade I of the Public Examinations in Music held by the Universities of Melbourne and Adelaide jointly.

#### SCALE OF MARKS FOR CREDIT LIST.

English Literature	...	...	300	Trigonometry	..	...	...	200
History, (a) or (b)	..	...	300	Physics	...	...	...	200
Greek	..	...	400	Chemistry	...	...	...	200
Latin	...	...	400	Physiology	-	...	...	200
French	...	...	300	Botany	.	...	...	200
German	...	...	300	Physical Geography and Geology				200
Arithmetic and Algebra	...	...	300	*Drawing				
Geometry	...	...	300	*Theory of Music				

\* This subject does not count for the general honour list.

## HIGHER PUBLIC EXAMINATION.

## REGULATIONS.

I. A Higher Public Examination shall be held annually, in the month of November or December.

II. Candidates may be examined in any five, but not more than five, of the following subjects at one examination :—

1. English Literature.
- 2a. Modern History.
- 2b. Ancient History.
3. Greek.
4. Latin.
5. French.
6. German.
- 7a. Algebra and Trigonometry.
- 7b. Geometry and Trigonometry.
8. Applied Mathematics.
9. Physics.
10. Inorganic Chemistry.
- 11a. Biology.
- 11b. Physiology
- 11c. Botany.
12. Physical Geography and Geology.

III. The following fees shall be paid by each candidate on entering his name for the examination :—

For candidates who have entered for the Senior Public Examination in the current or any previous year	...	0	2	6	for each subject or division
Other candidates	..	...	0	10	0 “ “ “

In no case will the fee be returned, but if, not less than seven days before the examination, a Candidate shall notify to the Secretary of the Public Examinations Board his intention to withdraw, the fee shall stand to his credit for a future examination.

IV. Candidates must, on or before the 1st of October, or, if the 1st of October falls on a Sunday, on or before the 2nd of October, give notice of their intention to present themselves for exami-

nation, and such notice must be given on a form which may be obtained from the Registrar, or, in the case of Local Centres, from the Local Secretary.

Candidates who fail to give notice by the prescribed date may be permitted by the Board to present themselves on payment of an extra fee of 5s.

- V. (a) The names of candidates who have distinguished themselves in the whole examination shall be published in order of merit.
- (b) Lists shall be published of candidates who have distinguished themselves in the separate subjects.
- (c) An alphabetical list of successful candidates shall be published, showing the subjects in which each candidate passed, and the last place of education from which each candidate came.
- (d) Certificates shall be issued to candidates who pass in one or more subjects.
- (e) The Government bursaries granted by the Education Department of South Australia shall be recommended for award under the conditions laid down in the Regulations of the Education Department; and the recommendation will be determined by the aggregate marks obtained by the candidate in not more than five subjects, together with the marks obtained for an English essay specially set for bursary candidates.

VI. The syllabus defining as far as may be necessary the range of the questions to be set, and the scale of maximum marks assigned to each subject, shall be published not less than twelve months before the date of the examination to which they are intended to apply.

*Allowed 23rd November, 1911.*

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SYLLABUS FOR THE EXAMINATION TO BE HELD IN  
NOVEMBER OR DECEMBER, 1912.

N.B.—In this examination the information required for answering every question may not be found in the text-books.

I. ENGLISH LITERATURE.

- (a) Shakespeare. *Coriolanus*; ed. by E. K. Chambers. (*Warwick Shakespeare*. 1s. 6d.) The appendices and the essay on metre are to be studied.

- (b) *Selected English essays; chosen and arranged by W. Peacock (World's classics. 1s. net); or, with notes by C. B. Wheeler (Oxford Univ. Pr. 2s. 6d.)* Bacon's essays 'Of Truth,' 'Of Friendship,' and 'Of Studies; and the essays selected from Swift, Johnson, Lamb, Carlyle, Dr. John Brown, Arnold, Jefferies, and Stevenson.
- (c) *Age of Spenser: by J. C. Stobart. (Arnold's Epochs of Eng. literature. 1s. 6d.)*
- (d) Browning. *Saul and Rabbi Ben Ezra (Blackie's Eng. class. 2d. or 3d.); with repetition of Rabbi Ben Ezra.*
- (e) Composition: As for the Senior, together with Divisions of prose and poetry, prosody, poetic diction; an elementary knowledge of the growth of the language.

[These subjects are dealt with in Nesheld's *Manual of English grammar and composition (Macmillan. 2s. 6d.)*, ch. xiv-xxxii, excluding ch. xxiv and xxv.]

[ENGLISH ESSAY for intending bursary candidates An essay of about two hours in length will be required from all candidates for bursaries. No fee will be charged and the subject will not be entered upon the certificates of successful candidates.]

#### 2a. MODERN HISTORY.

- Gardiner, S. R. *Students' history of England, vol. III, 1689-1910. (Longmans. 4s.)*
- Jose, A. W. *History of Australasia, 3rd ed (Angus and Robertson. 3s. 6d.)*

#### 2b. ANCIENT HISTORY.

- Cox, G. W. *Athenian empire from the flight of Xerxes to the fall of Athens. (Longmans. 2s. 6d.)*
- Merivale, C. *Roman triumvirates, B.C. 78-B.C. 31. (Longmans. 2s. 6d.)*
- Thucydides. *Book VII.*
- Cicero. *Ausgewählte Briefe Ciceros; erklärt von J. Frey (Teubner M. 2.75), Buch, 3-4.*

#### 3. GREEK.

- (a) Grammar  
Naylor, H. D. *Short parallel syntax of Latin and Greek. (G. Hassell & Son. 1s. 3d.)*
- (b) Composition in prose in the style of Thucydides and of Demosthenes. Candidates will be required to scan iambs and anapaests.
- (c) Passages for translation from Greek into English. The passages will be set for the most part from Thucydides, Demosthenes, and the Attic tragedians. In translation, style as well as accuracy is expected.

#### 4. LATIN.

- (a) Grammar  
Naylor, H. D. *Short parallel syntax of Latin and Greek. (G. Hassell & Son. 1s. 3d.)*

- (b) Composition in prose in the style of Cicero and of Livy.  
Candidates will be required to scan elegiacs, alcaics, and sapphics.
- (c) Passages for translation from Latin into English. The passages will be set for the most part from Cicero, Livy, Vergil, and Horace. In translation, style as well as accuracy is expected.

## 5. FRENCH.

- (a) Grammar  
(b) Translation from English into French  
(c) Translation from French into English.

## 6. GERMAN.

- (a) Grammar  
(b) Translation from English into German  
(c) Translation from German into English.

## 7a. ALGEBRA AND TRIGONOMETRY.

ALGEBRA: As for the Senior, with problems of greater difficulty; the theory of quadratic equations; indeterminate equations; arithmetical, geometrical, and harmonical progressions; scales of notation; permutations and combinations; the binomial theorem, including fractional and negative indices.

TRIGONOMETRY: As for the Senior, with problems of greater difficulty; angles of unlimited magnitude; submultiple angles; inverse notation.

## 7b. GEOMETRY AND TRIGONOMETRY.

GEOMETRY: The substance of Euclid, Bks. I to IV, VI, and XI, with exercises.

TRIGONOMETRY: As for 7a; the solution of triangles, including the ambiguous case; heights and distances; the inscribed, circumscribed, and escribed circles of a triangle; the area of the circle.

## 8. APPLIED MATHEMATICS.

Elementary statics, dynamics, and hydrostatics.

Text-book recommended:

Loney, S. L. *Mechanics and hydrostatics for beginners.* (Pitt Pr. ser. 4s. 6d.)

## 9. PHYSICS.

- (a) THEORETICAL. A more advanced knowledge of the work prescribed for the Senior Public Examination, together with a knowledge of mechanics, properties of matter, hydrostatics, and pneumatics as required by the following detailed syllabus:

*Measurement.* Quantity; measure; unit; fundamental and derived units; English and metric systems.

Measurement of length, area and volume: vernier; micrometer screw; direct and indirect methods of measuring areas and volumes; degree of accuracy; calculation to requisite degree of accuracy.

Measurement of time: earth as standard clock; isochronism of pendulum and of elastic vibration; elements of construction of clock and watch.

Measurement of mass: the balance; the practice of weighing; density and its direct determination.

*Kinematics.* Position: relativity of position and all derived magnitudes; displacement; specification by straight line; law of composition of simultaneous displacements and other vector quantities; velocity; acceleration; laws of uniformly accelerated motion as illustrated in case of freely falling body; resolution of displacement (or other vector) into rectangular components; motion on smooth inclined plane; dilution of gravity; determination of  $g$  by means of the simple pendulum.

*Dynamics.* Factors determining alterations of velocity of a material body; modes of mutual action of bodies; concepts of mass, momentum, force; Newton's laws of motion, with illustrations thereof; methods of comparing masses, and forces; units of force; proportionality of mass and weight, Galileo's experiment.

*Statics.* Force, a vector quantity; resultant of two forces whose lines of action intersect or are parallel; centre of two and of a system of parallel forces; centre of gravity and its determination in simple cases; rectangular components. Rotational effect of force on a body; moment of force about a point; definition and specification of a couple. Equilibrium of a body under the action of two or of three forces; principle of moments; stable, unstable, and neutral equilibrium.

*Energetics.* The concept of work: units of work, gravitational and absolute. Energy, its relation to work; species of energy: potential (weight), kinetic, elastic (of form and volume), energy of gravitation, of magnetic and of electric separation, of heat, chemical energy, etc; transformation of energy; law of conservation of energy. Power: units of power. The simple machines; mechanical advantage; efficiency; practical applications. Friction: laws of friction; effect of friction on action of machines and on other energy-transformations; the dissipation of energy.

*Properties of matter regarded as its powers of containing and transforming the various species of energy.* Mass: proportionality of energy contents to mass; weight and gravitation; variation of weight over the surface of the earth; universal gravitation, Newton's law; motion of the moon. Elasticity: form elasticity and volume elasticity; definition of stress and of strain; Hooke's law. Solid, liquid, and gaseous states of matter; distinction on ground of their elastic properties.

*Hydrostatics.* Fluid pressure; its equality in all directions; transmission of fluid pressure; Bramah press; pressure at

a depth; comparison of densities of liquids by the U-tube; level surface of liquid. Archimedes' principle; determination of specific gravity by Archimedes' principle and by the specific gravity bottle. Pressure of the atmosphere; the mercurial barometer; the U-tube manometer.

*Pneumatics.* Measurement of gas pressure by liquid manometer; Boyle's law, its experimental verification; mechanical air-pump, jet pump (so-called filter pump), water-pumps, the siphon, the diving-bell.

Text-book recommended :

Gregory, R. A., and Hadley, H. E. *Class book of physics.* (Macmillan. 4s. 6d.)

The following books may be consulted :

Crew, H. *Elements of physics.* (Macmillan. 6s.)

Hadley, H. E. *Magnetism and electricity for students.* (Macmillan. 6s.)

Edser, E. *Heat for advanced students.* (Macmillan. 4s. 6d.)

(b) PRACTICAL. There will be a practical examination, but candidates who submit laboratory note-books of experiments representing at least sixty hours' systematic practical work done during the year will not be required to take this portion of the examination; but candidates for the Angas Engineering Exhibition will be required to take a practical examination, the results of which will be used in determining the award. The books should be handed in by the candidates at the time of presenting themselves for examination, and will be returned on application after the publication of results. The following is a suggested list of experiments in mechanics :

- (1) Use of measuring rule: direct determination of the linear dimensions, area, and volume of geometrical solids.
- (2) Use of balance: weight and density of material of solids.
- (3) Determination of area of figure (*a*) by counting squares on squared paper, (*b*) by weighing cardboard figure.
- (4) Determination of volume of irregular solid by displacement of liquid.
- (5) Determination of volume of vessel (*a*) by volume of contained liquid, (*b*) by weight of contained liquid.
- (6) Use of micrometer wire-gauge: diameter, volume, and density of metal rod or wire.
- (7) Construction and use of vernier.
- (8) The simple pendulum: experimental verification of the formula; value of *g*.
- (9) Laws of uniformly accelerated motion by means of inclined plane or Attwood's machine.
- (10) The parallelogram of forces.
- (11) Laws of composition of parallel forces.
- (12) Centre of gravity of a plain figure.

- (13) Principle of moments as illustrated in the lever, simple crane, etc.
- (14) The simple machines.
- (15) Hooke's law of elasticity by means of a spiral spring, wooden lath, metal wire or bar, etc.
- (16) Boyle's law.
- (17) Experimental verification of Archimedes' principle.
- (18) Determinations of densities and specific gravities (a) by Archimedes' method, (b) by the specific gravity bottle, (c) by the U-tube or inverted U-tube.
- (19) Measurement of gas pressure by the liquid manometer.
- (20) Construction of a mercury barometer.

[Further experiments of suitable type will be found in Eggar's *Mechanics*. (Arnold. 3s. 6d.)]

#### 10. INORGANIC CHEMISTRY.

The chemistry of the more commonly occurring elements and their compounds, based upon Shenstone's *Elements of inorganic chemistry*, 5th ed., 1904 (Arnold. 4s. 6d.); with the exception of those portions relating to purely organic compounds (but not excluding methane, ethylene, and acetylene), the more difficult theoretical parts such as ch. xx and xxii, all the rarer metals, and the methods for the determination of molecular weights other than that depending on Avogadro's law. It is intended that the standard shall be that of the compulsory chemistry for the B.Sc. course. This will apply also to the practical chemistry, which will therefore include the qualitative analysis of simple salts and simple mixtures of salts, excluding phosphates (insoluble in water) and silicates.

#### 11. BIOLOGY, OR PHYSIOLOGY, OR BOTANY.

Candidates may enter for any or all of the divisions, but only one division will count for general honor list or prizes.

##### (a) BIOLOGY.

i. The fundamental facts and laws of the morphology, histology, physiology and life history of plants as illustrated by the following types: *Yeast Plant, Bacteria, Protococcus, Mucor, Penicillium, Spirogyra, Bracken Fern, Bean Plant.*

ii. The fundamental facts of animal morphology and physiology as illustrated by the following types: *Amoeba, Vorticella, Hydra, Fresh-water mussel, Crayfish, Frog.*

iii. The histological characters of the blood, epidermal and connective tissues, cartilage, bone, muscle, and nerve in the vertebrata.

Candidates will be required to show, by a practical examination, an acquaintance with the structure of the various types mentioned, and may be called upon to recognize and prepare microscopical specimens of the tissues specified in paragraph iii. They will be required to submit note-books in which have been recorded results and explanations of the experiments and observations they have made during the year; each record is to be dated, and satisfactory

evidence furnished that, except where otherwise indicated, such records are the work of the candidates themselves.\* No marks will be assigned in the examination, but if the note-books are not of sufficient merit the candidate will not be allowed to pass. The books should be handed in by the candidates at the time of presenting themselves for examination, and will be returned on application after the publication of results.

*N.B.*—If suitable arrangements cannot be made at a local centre for holding the practical examination, the candidates who have entered at that centre will be required to present themselves at Adelaide or at some approved centre.

Text-books recommended :

Parker, T. J. *Lessons in elementary biology.* (Macmillan. 10s. 6d.)  
Such parts as refer specifically to the types mentioned, together with Lessons vi, ix, xiii, and xvii.

Marshall, A. M. *The frog: ed. by F. W. Gamble.* (Macmillan. 5s.)

Schäfer, E. A. *Essentials of histology* (Longmans. 10s. 6d. net) so far as it refers to the histology specified.

Candidates should also consult Huxley and Martin's *Practical biology* (Macmillan 10s. 6d.), and Dendy and Lucas's *Introduction to the study of botany* (Melville and Mullen. 6s.).

\* Forms of certificates to be attached to the note-books may be obtained at the University.

(b) PHYSIOLOGY.

Candidates will be required to show a practical acquaintance with the position, appearance, and general and minute structure of the principal tissues and organs of the vertebrate body. They may be called upon to make simple dissections in some vertebrate animal, and to recognize and mount microscopical specimens of the principal tissues and organs. They will also be required to submit note-books in practical work as indicated for Biology.

*N.B.*—If suitable arrangements cannot be made at a local centre for holding the practical examination, the candidates who have entered at that centre will be required to present themselves at Adelaide or at some approved centre.

Text-books recommended :

Hill, L. *Manual of human physiology.* (Arnold. 6s.)

Schäfer, E. A. *Essentials of histology.* (Longmans. 10s. 6d. net.)

(c) BOTANY.

i. Morphology, physiology, and oecology of plants.

ii. The characteristic features of thallophytes, bryophytes, pteridophytes, gymnosperms, and angiosperms

iii. Examination of typical species, deviations from the respective types, and important structural peculiarities of the following natural orders: *Ranunculaceae*, *Cruciferae*, *Papaveraceae*, *Malvaceae*, *Geraniaceae*, *Rutaceae*, *Rosaceae*, *Leguminosae*, *Proteaceae*, *Myrtaceae*; *Primulaceae*, *Solanaceae*, *Scropulariaceae*, *Labiatae*,

*Compositae, Goodeniaceae; Liliaceae, Amaryllidaceae, Orchidaceae; Gramineae.*

Text-book recommended :

Stevens, W. C. *Introduction to botany* (Heath. 4s. 6d.), except that in ch. x instead of the spermatophytes given in the text the species to be studied are to be selected from the natural orders mentioned above.

Books useful for reference :

Tate, R. *Flora of South Australia.* (S.A. Education Dept. 5s. net.)

Black, J. M. *Naturalised flora of South Australia.* (Black. 5s.)

Dendy and Lucas. *Introduction to the study of botany.* (Melville and Muilen. 6s.)

Osterhout, W. J. V. *Experiments with plants.* (Macmillan. 5s. net.)

As evidence that practical work has been carried out during the year, candidates will be required to submit note-books in which have been recorded results and explanations of the experiments and observations they have made on the physiology and oecology of plants, as well as notes and drawings illustrating at least one example in each of the specified groups and orders; each record is to be dated, and satisfactory evidence furnished that, except where otherwise indicated, such records are the work of the candidates themselves.\* Excellent experiments are given in Osterhout's *Experiments with plants* and in Stevens's *Introduction to botany*, but these are not intended to restrict the freedom of the teacher in selecting or devising experiments. It is, however, advisable that the course of experimental work should be as far as possible representative of the complete syllabus. No marks will be assigned in the examination, but if the note-books are not of sufficient merit the candidates will not be allowed to pass. Note-books should be handed in by the candidates at the time of presenting themselves for examination, and will be returned on application after the publication of results.

Candidates may also be required

- i. To describe in botanical terms such plants or parts of plants as may be submitted to them.
- ii. To mount, identify, or describe microscopical specimens of vegetable tissues and organs.
- iii. To refer to their natural orders examples illustrative of the orders above enumerated.
- iv. With the aid of Tate's *Flora of South Australia* to identify easy examples of indigenous plants.

\* Forms of certificate to be attached to the note-books may be obtained at the University.

## 12. PHYSICAL GEOGRAPHY AND GEOLOGY.

Principles of physical geology as evidenced in the phenomena of rock masses; agents of geological change; origin of landscape.

The common minerals, their general properties and modes of occurrence.

Classification of strata in relation to time.

Fossilization. Fossil types characteristic of the various geological periods.

Practical determination of hand specimens of the common minerals and rocks.

Text-books recommended :

- (a) Tarr, R. S. *New physical geography.* (Macmillan. 4s. 6d. net.)  
 (b) Howchin, W. *Geography of South Australia.* (Whitcombe and Tombs. 3s. 6d.): *introduction, Pt. 2* (fauna and flora excepted), *Pt. 4. and appendix.* Alternative questions will be set for such candidates as prefer to deal with Western Australian conditions.  
 (c) Watts, W. W. *Geology for beginners.* (Macmillan. 2s. 6d.)

SCALE OF MARKS FOR GENERAL HONOUR LIST.

English Literature	...	...	300	Algebra and Trigonometry	...	300
English Essay for bursary candidates	...	...	100	Geometry and Trigonometry	...	300
Modern History	...	...	300	Applied Mathematics	...	300
Ancient History	...	...	300	Physics	...	300
Greek	...	...	300	Chemistry	...	300
Latin	...	...	300	Biology	...	300
French	...	...	300	Physiology	...	200
German	...	...	300	Botany	...	200
				Physical Geography and Geology	...	200

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**JUNIOR COMMERCIAL EXAMINATION.****REGULATIONS.**

- I. Every candidate must satisfy the Public Examinations Board in at least five of the following subjects, of which four must be subjects 1 to 4, and one must be taken from subjects 5 to 14.
1. English Literature.
  2. Commercial Arithmetic.
  3. Commercial Geography.
  4. Bookkeeping.
  5. Business Correspondence (including Précis Writing).
  6. Shorthand.
  7. History.
  8. French.
  9. German.
  10. Algebra.
  11. Geometry.
  12. Physics.
  13. Inorganic Chemistry.
  14. Botany.
  15. Typewriting.
  16. Drawing.
- II. The examination shall be held annually in the month of November or December.
- III. Candidates who fail to pass in five subjects as defined in Regulation I shall be credited with any subjects in which they do pass, and when they have completed the five subjects shall receive certificates showing the subjects in which they have passed, and the dates of their having so passed ; but candidates may again present themselves in any subject in which they have already passed.
- IV. Candidates who have already obtained certificates may have other subjects added to their certificates by passing them at later examinations.

- V. The following fees, which do not include fees for Drawing, shall be paid by each candidate on entering his name for the examination :—

For candidates who have not previously presented themselves either for this examination or for the Junior Public Examination ... ..	£1 0 0
Subsequent entries—	
<i>a.</i> For each subject ... ..	0 5 0
<i>b.</i> For four or more subjects ... ..	1 0 0

In no case will the fee be returned ; but if, not less than seven days before the examination, a candidate shall notify to the Secretary of the Public Examinations Board his intention to withdraw, the fee shall stand to his credit for a future examination.

- VI. Candidates must on or before the 1st of October, or, if the 1st of October falls on a Sunday, on or before the 2nd of October, give notice of their intention to present themselves for examination, and such notice must be given on a printed form which may be obtained from the Registrar, or, in the case of Local Centres, from the Local Secretary.
- VII. Candidates who fail to give notice by the prescribed date may be permitted by the Public Examinations Board to present themselves on payment of an extra fee of 5s.
- VIII. Schedules defining, as far as may be necessary, the range of the questions and exercises to be set, shall be published not less than twelve months before the date of the examination to which they are intended to apply.
- IX. (a) The names of successful candidates, arranged in alphabetical order, showing the subjects in which the candidate passed, and the last place of education from which each candidate comes, shall be posted at the University, and published in the report on public examinations.
- (b) The names of candidates who have distinguished themselves in the several subjects shall also be published.
- (c) The names of candidates who have distinguished themselves in the whole examination shall also be published in order of merit. To the first candidate on the list who shall be under seventeen years of age on the 1st December in the year in which the examination is held, shall be awarded a prize of the value of

£3 3s. The position on the honour list shall be determined by the aggregate of marks in not more than seven subjects. The scale of marks assigned to each subject shall be published in the schedule of details.

Allowed 19th January, 1910.

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SYLLABUS FOR THE EXAMINATION TO BE HELD IN NOVEMBER,  
1912.

N.B.—In all subjects of this examination the examiners will pay especial attention to the spelling and handwriting of the candidates.

1. ENGLISH LITERATURE.

As for English Literature in the Junior Public Examination in the same year.

2. COMMERCIAL ARITHMETIC.

Theory and practice of the processes of general arithmetic; short methods in multiplication and division; short methods in mental arithmetic, including multiplication, division, prices of articles, practice, interest, and discount; addition of long totals and cross totals, simple and compound; fractions and decimals; approximations, including the decimalization of money, decimalized practice, contracted multiplication and division of decimals; the calculation of simple areas and volumes; profit and loss; percentages and averages; proportion, practice, square root; interest and discount, commission and brokerage, stocks and shares; the coinages and most important weights and measures of the principal countries of Europe and America, and of India, Japan, and China.

Text-books recommended:

Jones, H. S. *Modern arithmetic*, pt. 1. (Macmillan. 2s. 6d.)

Grant and Hill. *Commercial arithmetic*. (Longman. 3s. 6d.)

3. COMMERCIAL GEOGRAPHY.

Candidates will be expected to know:

(a) THE GENERAL PRINCIPLES OF GEOGRAPHY AS AFFECTING INDUSTRY AND COMMERCE. This includes some knowledge of the chief mineral, vegetable, and animal products which are articles of commerce; a closer knowledge of the influence of climate, soil, and minerals upon industry; and of situation and means of communication upon commerce.

(b) THE MORE IMPORTANT FACTS OF THE COMMERCIAL GEOGRAPHY OF THE WORLD. The amount of detail expected is about that contained in Mill's *Elementary commercial geography*. (Pitt Pr. ser. 1s. 6d.)

(c) THE COMMERCIAL GEOGRAPHY OF AUSTRALIA. General distribution of physiographic conditions determining the production of materials of commerce, localization and growth of towns and industries, lines of communication, and general development of commerce; social and economic conditions: education, progress of invention; industrial organizations, influence of government, tariffs, etc. State industries and commerce. Interstate trade. British and foreign trade: exports and imports, chief markets for Australian products, chief lines of communication.

#### 4. BOOK-KEEPING.

Definition of technical terms relating to accounts.

The theory and practice of book-keeping by double entry, and distinction between single and double systems.

The nature of the journal, cash book, bill book, purchase book, sales book, and ledger. Candidates must be prepared to present *pro forma* rulings of these books. The usual forms of accounts current, invoices, and account sales.

The nature of nominal, real, and personal accounts, and the distinction between capital and revenue items.

Transactions in connection with bills of exchange, promissory notes, and cheques, and a knowledge of the forms and nature of such instruments.

[Candidates are requested to note that the falling due of bills of exchange as given in the text-books is according to English law, which differs from South Australian law in this respect.]

The recording of a set of transactions, including consignments, opening and closing entries, trial balance, profit and loss account, and balance sheet.

Simple partnership accounts with division of profit and loss.

Jenkinson's *Elements of book-keeping* (Arnold. 1s. 6d.) or Pitman's *Book-keeping simplified* (2s. 6d.) will indicate the standard of work required under the above headings.

#### 5. BUSINESS CORRESPONDENCE (INCLUDING PRECIS WRITING).

Candidates will be asked to write simple business letters on specified data, and to give digests of selected paragraphs. The examiners will consider in the first place the mechanical arrangement and style, and in the second the writing and spelling of the answers. The fact that précis writing calls for more of actual intelligence and less of merely mechanical knowledge than the correspondence does will be recognized in the proportion of marks allotted to the two departments of the paper.

#### 6. SHORTHAND.

All candidates will be required to take a passage of average difficulty for five minutes at the rate of 100 words per minute; but for candidates who desire to gain a credit a further examination will be held, when a passage at the rate of 120 words per minute will be dictated. Candidates must hand in their notes and a longhand transcript.

- 7. HISTORY
- 8. FRENCH
- 9. GERMAN
- 10. ALGEBRA
- 11. GEOMETRY
- 12. PHYSICS
- 13. INORGANIC CHEMISTRY
- 14. BOTANY

} As for the Junior Public Examination.

15. TYPEWRITING.

Candidates will be required to type in correct form a rough draft of a business letter or other MS. involving corrections and the use of abbreviations; and to type any usual form of business document balance-sheet or statistical table, and to rule suitably in red ink.

Neatness, speed (as shown by the amount of work completed), spelling, syllabication, punctuation, and general intelligence will be taken into account.

N.B.—Candidates must supply their own machines.

16. DRAWING.\*

- (a) First Grade Geometry, Freehand, and Model
- (b) Intermediate Solid Geometry.

Text-books: As for Primary and Junior Examinations.

No examination will be held in Drawing, but the Board will accept the certificates of the above subjects issued by the Board of Governors of the Public Library, Museum, and Art Gallery of South Australia, or of the Education Department of South Australia to whom all fees for Drawing must be paid.

Candidates who wish to have Drawing recorded as one of their subjects must enter it on the appropriate entry form for the November examination.

\* For particulars concerning Drawing apply to the Principal and Examiner, Adelaide School of Art.

SCALE OF MARKS FOR CREDIT LIST.

English Literature	...	...	300	French	...	...	...	...	200
Commercial Arithmetic	...	...	300	German	...	...	...	...	200
Commercial Geography	...	...	300	Algebra	...	...	...	...	200
Book-keeping	...	...	300	Geometry	...	...	...	...	200
Business Correspondence	..	..	200	Physics	...	...	...	...	200
Shorthand—				Inorganic Chemistry	...	...	...	...	200
100 words per minute	...	...	150	Botany	...	...	...	...	200
(120 words per minute, 50 marks extra)				*Typewriting					
History	...	...	200	*Drawing					

\* This subject does not count for the general honour list.

## SENIOR COMMERCIAL EXAMINATION.

## REGULATIONS.

- I. Every candidate must satisfy the Public Examinations Board in at least five of the following subjects, of which three must be subjects 1 to 3, one must be taken from subjects 4 to 7, and one from subjects 8 to 15 :—
  1. Commercial Arithmetic.
  2. Bookkeeping.
  3. Commercial Geography.
  4. Commercial History.
  5. English Literature.
  6. French.
  7. German.
  8. Arithmetic and Algebra.
  9. Geometry.
  10. Trigonometry.
  11. Physics.
  12. Inorganic Chemistry.
  13. Botany.
  14. Physical Geography and Geology.
  15. Drawing.
- II. The examination shall be held annually in the month of November or December.
- III. Candidates who fail to pass in five subjects as defined in Regulation I. shall be credited with any subjects in which they do pass, and when they have completed the five subjects shall receive certificates showing the subjects in which they have passed and the dates of their having so passed, but candidates may again present themselves in any subject in which they have already passed.
- IV. Candidates who have already obtained certificates may have other subjects added to their certificates by passing them at later examinations; and, if at any time they pass or have already passed in Shorthand at 120 words per minute as for the Junior Commercial Examination, they may have the fact recorded on their certificates.

\*V. The following fees, which do not include fees for Drawing or Shorthand, shall be paid by each candidate on entering his name for the examination :—

For candidates who have not previously entered either for this examination or for the Senior Public Examination	... ..	£1 10 0
Subsequent entries:		
a. For each subject	.. .. .	0 10 0
b. For three or more subjects	... ..	1 10 0
But if subjects 1, 2, 3, or 4 only, under Regulation I., are taken, the fee shall be :—		
a. For each subject	... ..	0 10 0
b. For three or more subjects	... ..	1 10 0

The fee for examination in Shorthand at 120 words a minute shall be five shillings.

In no case will the fee be returned, but if, not less than seven days before the examination, a candidate shall notify to the Secretary of the Public Examinations Board his intention to withdraw, the fee shall stand to his credit for a future examination.

VI. Candidates must, on or before the 1st of October, or, if the 1st of October falls on a Sunday, on or before the 2nd of October, give notice of their intention to present themselves for examination, and such notice must be given on a printed form which may be obtained from the Registrar, or, in the case of Local Centres, from the Local Secretary.

VII. Candidates who fail to give notice by the prescribed date may be permitted by the Public Examinations Board to present themselves on payment of an extra fee of 5s.

VIII. Schedules defining, as far as may be necessary, the range of the questions to be set shall be published not less than twelve months before the date of the examination to which they are intended to apply.

IX. (a) The names of successful candidates, arranged in alphabetical order, with the subjects in which each candidate passed and the last place of education from which each candidate comes, shall be posted at the University and published in the report on public examinations.

(b) The names of candidates who have distinguished themselves in the several subjects shall also be published.

- X. A Scholarship, called the Senior Commercial Scholarship, shall be annually awarded to the most distinguished candidate in this examination, provided he is of sufficient merit, and under nineteen years of age on the 1st of December in the year in which the examination is held. The Scholarship shall be awarded on the aggregate of marks in not more than seven subjects, and shall entitle the holder to exemption from the payment of fees for lectures and examinations in all subjects prescribed for the Diploma in Commerce. Except by special permission of the Council, he must enter on the course immediately following the examination and complete it within five years. The continuance of the Scholarship shall be conditional on his diligence and conduct being satisfactory to the Council. The Scholarship cannot be held together with any other tenable at the University. The scale of marks assigned to each subject shall be published in the schedule of details.

Allowed 19th January, 1910.

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SYLLABUS FOR THE EXAMINATION TO BE HELD IN NOVEMBER,  
1912.

1. COMMERCIAL ARITHMETIC.

As for the Junior Commercial Examination, and in addition : the use of common logarithms and logarithmic tables ; equation of payments ; the application of logarithms to problems of compound interest and annuities ; duodecimals ; foreign exchange and foreign bills of exchange ; statistics ; the areas of rectilineal figures, circles, spheres, and cones ; the volumes of prisms, cones, pyramids, and spheres.

Text-books recommended :

Jones, H. S. *Modern arithmetic, pts. 1 and 2.* (Macmillan, 4s. 6d.)

Grant and Hill. *Commercial arithmetic.* (Longmans. 3s. 6d.)

2. BOOK-KEEPING.

As for the Junior Commercial, but a higher standard of proficiency will be expected ; and, in addition : the nature of waste-book ; recording sales and purchases on commission and on joint account ; depreciations ; partnership and joint-stock company accounts ; debentures ; executorship accounts.

Text-book recommended :

Thornton, J. *Manual of book-keeping.* (Macmillan, 7s. 6d.)

## 3. COMMERCIAL GEOGRAPHY.

- (a) GENERAL. Influence of physiographical, biological, social, and political controls upon the production, distribution, and exchange of commodities. Principles governing the position of towns and development of lines of transport. Evolution from simple unorganized industry to the highly organized factory system.
- (b) MATERIALS OF COMMERCE. The chief materials of commerce, their preparation, uses, countries of origin and consumption, and chief routes of distribution. Attention is to be paid in this connection to South Australian commodities, both export and import. (But Western Australian candidates are expected to pay special attention to Western Australian commodities, particulars of which may be obtained from the *Statistical register of Western Australia*; pt. IV: *Interchange*.)
- (c) REGIONAL, SPECIALLY IN RELATION TO AUSTRALIA. United Kingdom; Central Europe and the Mediterranean; British India and Ceylon, Indo-China, Malay Archipelago, China, Japan; South Africa; Canada, United States of America; Argentine.
- (d) PRACTICAL WORK. Plotting statistics on squared paper; marking the distribution of materials of commerce and resultant routes on blank maps; drawing sketch-maps.

The following books of reference are suggested for the use of teachers, and may be consulted at the University Library:

- George, H. B. *Relations of geography and history*. (Clar. Pr. 4s. 6d.)
- Newbigin, M. I. *Modern geography*. (Williams & Norgate. 1s. net.)
- Chisholm, G. G. *Handbook of commercial geography*. (Longmans. 15s. net.) This is the best single book in English, and is almost indispensable.
- Taylor, G. *Australia in its physiographic and economic aspects*. (Clar. Pr. 3s. 6d.)
- Bartholomew, J. G. *Atlas of the world's commerce*. (Newnes. 25s. net.)
- Statistical register of South Australia, pt. IV: Interchange*. (S.A. Govt. Printer. 2s. 6d.)
- Trade and customs and excise revenue of the Commonwealth of Australia, 2 pts.* (Commonwealth Statistician.)
- Official yearbook of the Commonwealth of Australia* (Commonwealth Statistician. 3s. 6d.)
- Statesman's yearbook*. (Macmillan. 10s. 6d. net.) Issued annually.

## 4. COMMERCIAL HISTORY.

- Price, L. L. *Short history of English commerce and industry*. (Arnold. 3s. 6d.)
- Burnley, J. *Story of British trade and industry*. (Newnes. 1s.)

The following works may be consulted by teachers:

- Day, C. *History of commerce*. (Longmans. 7s. 6d. net.)
- Meredith, H. O. *Outlines of the economic history of England*. (Pitman. 6s.)
- Egerton, H. E. *Origin and growth of English colonies*. (Clar. Pr. 2s. 6d. and 3s. 6d.)

5. ENGLISH LITERATURE
6. FRENCH
7. GERMAN
8. ARITHMETIC AND ALGEBRA
9. GEOMETRY
10. TRIGONOMETRY
11. PHYSICS
12. INORGANIC CHEMISTRY
13. BOTANY
14. PHYSICAL GEOGRAPHY AND GEOLOGY.

As for the Senior Public Examination.

15. DRAWING.\*

- (a) Intermediate Measured Freehand.
- (b) Intermediate Perspective.
- (c) Second Grade Freehand.
- (d) Second Grade Model.

Candidates for (b) must have a knowledge of First Grade Plane Geometry and Intermediate Geometry ; and for (c) and (d) *must have taken* the certificates in First Grade Freehand and First Grade Model.

For the present the University will not examine in these subjects, but will accept the certificates of the Board of Governors of the Public Library, Museum, and Art Gallery of South Australia, or of the Education Department of South Australia to whom all fees for Drawing must be paid.

Candidates who wish to have Drawing recorded as one of their subjects must enter it on the appropriate entry form for the November examination

\* For particulars concerning Drawing apply to the Principal and Examiner, Adelaide School of Art.

SCALE OF MARKS FOR GENERAL HONOUR LIST.

Commercial Arithmetic ... ..	300	Geometry ... ..	300
Book-keeping ... ..	300	Trigonometry ... ..	200
Commercial Geography ... ..	300	Physics ... ..	200
Commercial History ... ..	300	Inorganic Chemistry ... ..	200
English Literature ... ..	300	Botany ... ..	200
French ... ..	300	Physical Geography and Geology	200
German ... ..	300	*Drawing	
Arithmetic and Algebra ... ..	300		

\* This subject does not count for the general honour list.

## THE TENNYSON MEDALS.

## REGULATIONS.

WHEREAS a sum of One Hundred and Seventy-five Pounds has been paid to the University by His Excellency the Lord Tennyson, with the intention of encouraging the study of English Literature by the award of Medals at the Public Examinations, it is hereby provided as follows :—

- I. A Gold Medal and two Silver Medals, to be called the "Tennyson Medals," shall be awarded annually.
- \*II. The Gold Medal shall be awarded to the candidate who obtains the highest number of marks in the subject of English Literature at the Higher Public Examination.  
Candidates must be under the age of nineteen years on the 1st of December in the year in which the examination is held.
- III. A Silver Medal shall be awarded to the candidate who obtains the highest number of marks in the subject of English Literature at the Senior Public Examination in November.  
Candidates must be under the age of seventeen years on the 1st of December in the year in which the examination is held.
- IV. A Silver Medal shall be awarded to the candidate who obtains the highest number of marks in the subject of English Literature at the Junior Public Examination.  
Candidates must be under the age of sixteen years on the 1st of December in the year in which the examination is held.
- V. No medal shall be awarded to a candidate who in the opinion of the Council is not deserving of it.
- VI. No person who has gained a medal shall be awarded the medal of the same grade at the same examination in any subsequent year.
- VII. In the event of two or more candidates obtaining the highest number of marks, a fresh examination shall be held to determine which of the candidates is most worthy.
- VIII. These Regulations may be varied from time to time.

*\* Allowed 6th April, 1905.*

*Allowed 11th December, 1901.*

## JUNIOR PUBLIC EXAMINATION.

### Prizes.

Three Prizes, of the value of £10, £5, and £3 respectively, are annually awarded to the most distinguished candidates in the whole Examination who shall be under sixteen years of age on the 1st December in the year in which the Examination is held.

### Awards, 1911.

Gerloff, Frank Arthur (Christian Brothers' College, Adelaide).  
 Mayrhofer, Guido Severio Carlo (Christian Brothers' College, Perth).  
 Jones, Eric Edmund (Scotch College, Claremont).

## SENIOR PUBLIC EXAMINATION.

### Prizes.

Three Prizes, of the value of £10, £5, and £3 respectively, are annually awarded to the most distinguished candidates in the whole Examination who shall be under seventeen years of age on the 1st December in the year in which the Examination is held.

### Awards, 1911.

Cohen, Bertram Clarence (Perth Modern School) } equal.  
 Dorsch, Agnes Laura Anna (Formore House) }  
 Wade, Gladys Irene (Notre Dame des Missions, Highgate Hill).

## JUNIOR COMMERCIAL EXAMINATION.

### Prize.

One Prize, of the value of £3 3s., is annually awarded to the most distinguished candidate in the whole Examination who shall be under seventeen years of age on the 1st December in the year in which the Examination is held.

### Award, 1911.

Thomas, Doris (Adelaide High School).

**SENIOR COMMERCIAL EXAMINATION.****Scholarship.**

A Scholarship is awarded annually to the most distinguished candidate in this Examination provided he is of sufficient merit and under nineteen years of age on the 1st of December in the year in which the Examination is held. The Scholarship is awarded on the aggregate of marks in not more than seven subjects, and entitles the holder to exemption from the payment of fees for lectures and examinations in all subjects prescribed for the Diploma in Commerce.

**Awards.**

1909—Williamson, Roy Cleveland (Prince Alfred College).

1910—French, David George (Prince Alfred College).

1911—Martin, Colin Walter (Muirden College).

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# ADELAIDE UNIVERSITY CALENDAR

FOR THE YEAR 1912.

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## PART IV.

### Public Examinations in Music.

The Universities of Melbourne Adelaide, Queensland,  
and Tasmania.

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#### THEORY AND PRACTICE OF MUSIC.

Examinations are held in May and September, but the May Examinations in Practice of Music are held in Adelaide only.

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SCHOLARSHIPS SEE PAGE 339.

FOR LOCAL CENTRES AND OFFICERS SEE PAGE 27.

NOTE—Printed forms of entry may be obtained from the Registrar or the Local Secretaries; but all entries for Local Examinations should be made through the Local Secretary. No charge beyond the ordinary statutory fees will be made to local candidates.

## PUBLIC EXAMINATIONS IN THEORY AND PRACTICE OF MUSIC.

### REGULATIONS.

- I. Public Examinations in the Theory and Practice of Music shall be held in the City of Adelaide and at such Local Centres and other places as the Council may determine; these examinations shall be held at such times as the Council may direct.
- II. Candidates shall be admitted to the Examinations without restrictions as to age or sex.
- III. The Faculty of Music, or some other body to be duly constituted, shall, with the approval of the Council in each instance, make all necessary arrangements for the holding of the Examinations, appoint Examiners and determine their tenure of office and the duties to be performed by them, determine the scale of remuneration to be paid to the Examiners, the fees and charges to be paid by candidates for the Examinations, and settle other details incidental to the holding of the Examinations.
- IV. Schedules defining as far as may be necessary the range of the examinations shall be published not later than the 31st day of January in each year.

*Allowed 8th August, 1906.*

**NOTE.—The Syllabus for these Examinations is published in a separate pamphlet for free distribution. Copies may be obtained on application to the Registrar.**

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### SCHOLARSHIPS.

#### ADELAIDE.

Two Scholarships, each under certain conditions, tenable for three years, and providing free tuition for the course for the Degree of Bachelor of Music, are offered for competition at the September Examinations in 1911, one amongst candidates in Grades I. and II. in Theory, and one amongst candidates in Grades I. and II. in Practice of Music.

All candidates in those grades who obtain honors will be eligible to compete for the Scholarships, which will be awarded on the results of a special examination held for the purpose in November of the same year.

#### AWARDS.

1909— { Jeffrey, Mary Winifred Magdaline (Theory).  
          { McBride, Dorothy Evelyn (Practice).

1910—Willsmore, Elsie Victoria (Theory).

1911—Cole, Louie Chapman (Theory).

#### WESTERN AUSTRALIA.

A Scholarship, under certain conditions, tenable for three years, and providing free tuition for the course for the Degree of Bachelor of Music, or free tuition in a practical course at the Elder Conservatorium, is offered for competition at the September Examination amongst candidates in Western Australia in Grades I. and II. in Theory and Practice of Music.

All candidates in those Grades who obtain honors will be eligible to compete for the Scholarship which will be awarded on the results of a Special Examination held for the purpose.

#### AWARD.

1909—D'Arcy Irvine, Alice Bond (Practice).

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# ADELAIDE UNIVERSITY CALENDAR

FOR THE YEAR 1912.

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## PART V.

ANNUAL REPORT.

BALANCE SHEETS.

PASS LISTS.

LETTERS PATENT.

ACT OF INCORPORATION.

UNIVERSITY ACTS.

STANDING ORDERS OF SENATE.

# ANNUAL REPORT FOR THE YEAR 1911.

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To His Excellency Admiral Sir Day Hort Bosanquet, G.C.V.O.,  
K.C.B., Governor in and over the State of South Australia  
and its Dependencies in the Commonwealth of Australia.

The Council of the University of Adelaide have the honour to present to your Excellency the following Report of the proceedings of the University during the year 1911.

## I. THE COUNCIL AND SENATE.

In November, in conformity with the provisions of the University Act,

S. J. Jacobs, J.P.,  
Professor Mitchell, M.A., D.Sc.  
R. Barr Smith, J.P.,  
S. Talbot Smith, M.A., LL.B.,  
J. A. G. Hamilton, B.A., M.B.,

ceased to hold office as members of the Council, and on the 22nd November the Senate re-elected S. J. Jacobs, Professor Mitchell, R. Barr Smith, and S. Talbot Smith. William Lowrie, M.A., D.Sc., was elected *vice* Dr. Hamilton, who, after serving as a member of Council for 14 years, retired, as his lecture work precluded his attendance at meetings. On the same day the Senate re-elected Frederic Chapple, B.A., B.Sc., to be Warden, and Thomas Ainslie Caterer, B.A., to be Clerk of the Senate.

The University Act was amended during the year adding five Parliamentary members to the Council. Accordingly

The Hon. Sir J. Lancelot Stirling, K.C.M.G., LL.B., P.C.	} of the Legisla- tive Council.
The Hon. J. J. Duncan, M.L.C.	
The Hon. F. W. Coneybeer, M.P., Minister of Education	} of the House of Assembly.
S. B. Rudall, M.P., and	
W. Senior, M.P.	

were appointed by Parliament in December:

## II. THE OFFICERS.

To the regret of the Council, Dr. W. L. Cleland, who has been the Lecturer on Forensic Medicine and Lunacy since March, 1886, resigned his position. C. H. Reissmann, M.A., M.D., M.R.C.P., has been appointed Lecturer on Forensic Medicine, and M. H. Downey, M.B., B.S., Lecturer on Lunacy. The following additional appointments have also been made for the year 1912:—Lecturer on Practical Pathology and Histology, Constantine T. C. de Crespigny, M.D.; Lecturer on Clinical Medicine, W. T. Hayward, M.R.C.S.; Clinical Lecturer on Medical Diseases of Children, H. Swift, M.D.; Clinical Lecturer on Surgical Diseases of Children, H. S. Newland, M.B., M.S., F.R.C.S.; Tutors:—Obstetrics, T. G. Wilson, M.D.; Medicine, C. H. Reissmann, M.A., M.D., M.R.C.P.; Surgery, W. R. Cavenagh-Mainwaring, M.B., B.S., F.R.C.S.

The Council also regret that Mr. Bryceson Treharne R.A.M., a teacher of Pianoforte, and Mr. Frederick Bevan, a teacher of Singing in the Elder Conservatorium, resigned their positions on December 31st. Mr. Bevan, however, will still be prepared to take pupils in the Conservatorium. The Council have appointed Mrs. Georgina Delmar Hall and Mrs. R. Quesnel as additional teachers of Singing.

Leave of absence has been granted to Mr. Douglas Mawson, D.Sc., B.E., Lecturer on Mineralogy and Petrology, to enable him to take charge of the Australian Antarctic Expedition which left Hobart in December.

In June the Council granted the Registrar, who had been 27 years in the service of the University, six months' leave of absence on account of ill-health, and appointed Mr. F. W. Eardley Assistant Registrar. The Council welcome the return of Mr. Hodge in renewed health, after a visit to Europe.

## III. ADMISSION TO DEGREES.

At a Special Congregation held on April 10th, the following undergraduates were admitted to Degrees:—

*Honours Degree of Bachelor of Arts:*

## MATHEMATICS.

Allen, James Bernard, B.Sc.

## PHILOSOPHY.

Mayo, George Elton

At the Commemoration held on the 13th December, the following undergraduates were admitted to Degrees :—

## LAW,

*Degree of Bachelor of Laws :*

Campbell, Donald  
 Cowan, George Dalrymple  
 Giles, Mortimer  
 Norman, William Ashley  
 Pinch, Allan Love  
 Whittington, Louis Arnold

*Degrees of Bachelor of Medicine and Bachelor of Surgery :*

Böer, Adolph Oswald  
 Dolling, Charles Edward  
 Donnelly, Thomas Hugh  
 Drew, Charles Francis  
 Hains, Ivan Coronel  
 Harvey, Gilbert Aberdein  
 Kneebone, John LeMessurier  
 Moffatt, May Josephine  
 Muirhead, Leonard Graeme  
 Pitcher, Cyril Frederick  
 Russel, Ernest Albert Harold  
 Sinclair, William Malcolm  
 Stoddart, Harrold William Downing  
 Thomas, Edward Brooke  
 Wilton, Alexander Cockburn

## ARTS :

*Honours Degree of Bachelor of Arts :**Classics.*

Barton, Felix Kingston  
 Potts, Gilbert Macdonald

*Mathematics :*

Ellis, Frank, B.Sc.

*Ordinary Degree of Bachelor of Arts :*

Abbott, Charles Arthur Hillas Lempriere  
 Bagot, Edward Mead  
 Barnard, Marguerita Mira  
 Ellis, Arthur Benjamin  
 Giles, Harold

Gillham, Charles Alfred  
 Gluis, John  
 Jackson, Sarah Elizabeth  
 Johnson, William Herbert  
 Jones, Doris Egerton  
 Moncrieff, Josephine Hartley

*Honours Degree of Bachelor of Science :*

*Physiology :*

Hastø, Reginald Arthur  
 Wibberley, Brian William

*Ordinary Degree of Bachelor of Science :*

Begg, Reginald Haussen  
 Brown, Arthur Cubitt  
 Cooper, Wilfred Windham  
 Kahan, Raoul Robellaz  
 Laybourne-Smith, Louis

*Degree of Bachelor of Music :*

Goodø, Muriel Gertrude  
 Wibberley, Brian

The undermentioned graduates of other Universities were at the same Commemoration admitted *ad eundem gradum* :—

ARTS.

Wilton, John Raymond, M.A. (University of Cambridge)

SCIENCE.

Grant, Professor Kerr, B.Sc.,  
 M.Sc. (University of Melbourne)

Diplomas in Applied Science were granted to :—

Angwin, Hugh Thomas Moffitt, B.Sc. (Elec. Eng. A.)  
 Begg, Reginald Haussen (Elec. Eng. A.)  
 McNamara, Louis Warnecke, B.Sc. (Elec. Eng. B.)  
 Madigan, Cecil Thomas, B.Sc. (Mining)  
 White, William John (Mech. Eng.)

Diplomas in Commerce were granted to :—

Needham, George Francis Jack  
 Wauchope, James George Neilson  
 Wheeler, Horace Roseby

The Diploma of Associate in Music was granted on the 4th December to :—

Roberts, Winifred Sophie  
Whittington, Sylvia Muriel

#### IV. STATUTES AND REGULATIONS.

During the year the following Statutes and Regulations have been made, amended, or repealed :—

##### STATUTES.

Chapter XXII. "Of the Hartley Studentship" repealed and new Statutes substituted.

New Chapter XXXIII. "Of the Lowrie Scholarship" enacted.

##### REGULATIONS.

"Of the Degree of Master of Arts," Regulation I. repealed and new Regulation substituted.

"Of the Degree of Bachelor of Arts," Regulation I. repealed and new Regulation substituted.

Addition made to Clause (c) of Regulation II.

Regulation XIII. amended.

"Of the Degree of Bachelor of Science," Regulations I. and III. repealed and new Regulations substituted.

Addition made to Regulation V.

Regulation XII. amended.

"Of the Degree of Bachelor of Music," Regulation VI. repealed and new Regulation substituted.

"Of the Diploma in Applied Science," Regulation IV. repealed and new Regulation substituted.

Regulations of the "Higher Public Examination" repealed and new Regulations substituted.

##### NEW REGULATIONS MADE.

"Of the Diploma in Education."

#### V. NUMBER OF STUDENTS.

The number of undergraduates was 365. In addition, various lectures of the B.A., B.Sc., and LL.B. courses, or of the course for the Diploma in Commerce, were attended by 277 non-graduating students. Of these, 42 attended from the School of Mines and 19 from the Pharmaceutical Society.

#### VI. FACULTY OF ARTS.

The number of undergraduates studying for the B.A. Degree

was 174, including 23 holding Evening Studentships. Thirteen Bachelors of Arts were proceeding to the M.A. Degree.

Forty-six students commenced the course for the B.A. Degree.

The Tinline Scholarship for History was awarded to Sarah Elizabeth Jackson.

The David Murray Scholarship in Classics was awarded to Felix Kingston Barton, and that in Philosophy to Eleanor Alice Allen.

#### VII. FACULTY OF SCIENCE.

The number of undergraduates studying for the B.Sc. Degree was 60, including 2 holding Evening Studentships.

Eleven students commenced the course.

#### VIII. FACULTY OF LAWS.

The number of undergraduates studying for the Degree was 51, and, in addition, 3 non-graduating students were preparing for Final Certificates in Law, to enable them to practise in the Supreme Court.

Sixteen students commenced the course for the LL.B. Degree.

#### IX. FACULTY OF MEDICINE.

The number of undergraduates studying for the M.B. Degree was 69.

Nine students commenced the course.

Thirteen completed the first year's course, 7 the second, 12 the third, 10 the fourth, and 15 the fifth.

The Dr. Davies Thomas Scholarship for the third year was awarded to Frederick Neill LeMessurier and Joseph Stanley Verco, equal. The Scholarship for the fourth year was awarded to Hilda Josephine Florey and Henry Charles Cadell Rennie, equal.

The Everard Scholarship was awarded to John LeMessurier Kneebone.

#### X. FACULTY OF MUSIC.

The number of undergraduates studying for the Mus. Bac. Degree was 11. Three students commenced the course.

Two students completed the first year's course; 6 the second.

Two students passed the final examination (original exercises) for the Degree.

## XI. ELDER CONSERVATORIUM OF MUSIC.

The number of students attending the Conservatorium during the year was 278, of whom 20 were proceeding with the course for the Diploma of Associate in Music.

Elder Scholarships at the Conservatorium were awarded to Frank Henry Smith, Harold Whitridge Davies, Gertrude Primrose James, and Kathleen Mary O'Dea.

## XII. EVENING CLASSES.

Evening Classes were held in the following subjects:—Physics Part I., Inorganic Chemistry, English History, Latin, Psychology, Botany, Pure Mathematics (Second Year), Biology, Accountancy, Business Practice, and Economics.

## XIII. PUBLIC EXAMINATIONS IN GENERAL EDUCATION.

At the Special Senior Examination in March 46 candidates presented themselves, and 33 passed in various subjects.

At the Primary Examination there were 1,312 candidates, of whom 698 received certificates; at the Junior Examination 746 candidates, of whom 290 passed in five or more subjects and 395 in fewer than five; at the Senior Examination in November 550 candidates, of whom 163 passed in five or more subjects and 298 passed in fewer than five; at the Higher Examination 298 candidates, of whom 126 passed in various subjects.

The Minister of Education again granted, gratuitously, the use of the Exhibition building for the Examinations in November, as, in consequence of the large number of candidates presenting themselves, the accommodation in the University was inadequate.

## XIV. PUBLIC EXAMINATIONS IN MUSIC.

Since 1906 examinations have been held jointly by the Universities of Melbourne and Adelaide, the only two in Australia which have Chairs of Music. The Universities of Queensland and Tasmania joined the federation during 1911, and in future these examinations will be held under the auspices of the four Universities. It is probable that the University of New Zealand will also join at an early date.

It is felt that the Universities, whose standard is unquestionably high, should have sole control of these examinations for the extension of musical education within the Commonwealth.

Public Examinations in Theory and Practice of Music, under the auspices of the Universities of Melbourne and Adelaide, were held in May and September.

Professor Peterson (of Melbourne) and Professor Ennis examined in Theory of Music, while Mr. W. A. Laver (of Melbourne) and Professor Ennis acted as Examiners in Practice. The results were:—

#### THEORY OF MUSIC.

One hundred and fifty-two entered, and 94 (10 of whom secured honours) passed.

#### PRACTICE OF MUSIC.

Two hundred and thirty-four entered, and 181 (25 of whom secured honours), passed.

The Scholarship for South Australia was awarded to Louie Chapman Cole.

#### XV. ANGAS ENGINEERING EXHIBITION AND GOVERNMENT EVENING STUDENTSHIPS.

The Angas Engineering Exhibition was awarded to Donald Yates.

Under the Regulations of 1909, the evening studentships for Arts and Science courses were awarded to twenty-five candidates for the year 1911.

#### XVI. SCIENCE RESEARCH SCHOLARSHIP.

The Royal Commissioners of the Exhibition of 1851 awarded a Bursary for 1911-12 to George Eric Macdonnell Jauncey, B.Sc.

#### XVII. COMMERCIAL EDUCATION.

During the year students attended lectures and passed examinations as follows:—

Accountancy II, 22 attended lectures, 18 entered for examination, and 7 passed.

Economics I, 18 attended, 10 entered, 7 passed.

Commercial Law, 65 attended, 46 entered, 32 passed.

Business Practice, 44 attended, 29 entered, 16 passed.

Commercial Geography, one entered for examination, but failed to pass,

The Joseph Fisher Medal was awarded to James George Neilson Wauchope.

At the Junior Commercial Examination in November, 47 candidates presented themselves, of whom 18 passed in the five compulsory subjects and 26 in fewer than five subjects. At the Senior Commercial Examination 22 candidates presented

themselves, of whom 1 passed in the five compulsory subjects and 13 in fewer than five.

The Senior Commercial Scholarship was awarded to Colin Walter Martin.

#### XVIII. CLASSES FOR DENTAL AND MESSAGE STUDENTS.

Elementary classes in certain subjects for apprentices in Dentistry and Massage students were held, and 7 students attended.

#### XIX. EXTENSION LECTURES.

The following courses of Extension Lectures were given at the University:—Three lectures on "Evolution and Human Life," by Professor Henderson; three lectures on "Modern Astronomy," by Professor Chapman; three lectures on "Euripides, the Rationalist," by Professor Darnley Naylor; and three lectures on "The Development of the Sonata," by Professor Ennis.

All applications made to the University by Country Centres and Institutes in South Australia for courses of Extension Lectures were complied with. The Professors devoted the May and August vacations to lecture tours, and courses were delivered at Naracoorte, Millicent, Mount Gambier, Clare, and Broken Hill.

Three courses will be given at the University in 1912, viz. :—Three lectures by Professor Henderson, on "The Romantic Revival in English Literature"; three by Professor Kerr Grant, on "Progress in the Art of Illumination"; and three by Mr. W. Howchin, on "Australia under Ice."

#### XX. REPRESENTATION OF THE UNIVERSITY ON THE BOARD OF GOVERNORS OF THE PUBLIC LIBRARY, MUSEUM, AND ART GALLERY.

In October Professor Henderson and Professor Brown were re-elected by the Council to represent the University on the Board of Governors of the Public Library, Museum, and Art Gallery of South Australia.

#### XXI. REPRESENTATION OF THE UNIVERSITY ON THE BOARD OF MANAGEMENT OF THE ADELAIDE HOSPITAL.

William Thornborough Hayward, M.R.C.S., was re-elected to represent the University on the Board of Management of the Adelaide Hospital.

#### XXII. INVITATIONS TO CONGRESSES AND CELEBRATIONS.

The Council received invitations to send representatives to—

1. The inauguration of the University of Queensland in June.

Professor Darnley Naylor attended as the representative of this University.

2. The first Universal Races Congress at London, in July. Five representatives were asked to go, but the Registrar was the only one who was able to attend.

3. Centenary of the Royal Frederick University, Christiana, in September.

4. The five hundredth anniversary of the University of St. Andrews in September.

Addresses of congratulation were forwarded to both Universities, and Professor Bragg was asked to represent the University of Adelaide.

5. The third International Laryngo Rhinological Congress at Berlin in August and September. Dr. G. A. Fischer, B.A., attended as the representative of the University.

In 1911 the Senate of the University of London issued an invitation, with which the Universities of Oxford and Cambridge associated themselves, to a Congress of the Universities of the Empire, to be held in London in 1912. The University was asked to appoint four representatives, and have invited the undermentioned to attend the Congress:—

The Chancellor, the Right Honourable Sir S. J. Way, Bart., P.C., LL.D., Professor Darnley Naylor, M.A., Professor Horace Lamb, M.A., F.R.S., of the University of Manchester, and Professor W. H. Bragg, M.A., F.R.S., of the University of Leeds.

#### XXIII. THE TENNYSON MEDALS.

The Tennyson Medals, provided by Lord Tennyson while Governor of South Australia, with the intention of encouraging the study of English Literature, and awarded on the results of the Public Examinations, were won by the undermentioned:—

Higher Public (Gold Medal)—Charles Rischbieth Jury.

Senior Public (Silver Medal)—Alice Jean Bowman Barker.

Junior Public (Silver Medal)—Mary Helen Crowther.

#### XXIV. FREE PASSAGES TO EUROPE FOR UNIVERSITY STUDENTS.

The Orient Steamship Company, in accordance with their generous offer, granted two free first class return passages in favour of graduates of the University going to Europe for the purpose of continuing their studies.

#### XXV. DONATION FROM PHARMACEUTICAL SOCIETY.

The Pharmaceutical Society of South Australia forwarded a seventh donation of seven guineas, to be applied to any purpose the Council might deem desirable.

## XXVI. UNIVERSITY LIBRARY.

Valuable additions were made to the Library during the year. It now contains about 24,000 volumes.

## XXVII. UNIVERSITY EXTENSION.

The extension during the past few years of the scope of University teaching, and the increase in the number of students, necessitated the erection of the Elder Conservatorium, the Prince of Wales' Building for the Science School, and new buildings for the Medical School. These have all been erected since 1898.

The need of yet further extension and additional buildings again became pressing, and it was felt that more library space, further accommodation for the Schools of Arts and Law, and a separate building with complete equipment for Geology, Mineralogy, and Botany, were required. Additions for the Medical School, "Common rooms" for the students, and a Caretaker's residence, were also wanted.

In November, 1909, a deputation from the Council waited upon the Minister of Education to ask for Government assistance. The reply was sympathetic, but, in consequence of a change of Ministry, delay followed.

In September, 1910, a large deputation from the University again waited upon the Premier and the Minister of Education, and submitted a policy of extension together with a request for assistance. The House of Assembly then appointed a Select Committee "to report on the best methods to be adopted to increase the facilities for higher education at the Adelaide University, and of extending the present grounds of the University." A Sub-Committee of the University Council prepared facts and figures for the information of the Select Committee and of the Royal Commission subsequently appointed in its stead.

The Council are gratified to report that, acting upon the recommendation of the Royal Commission, Parliament has come to the assistance of the University with a grant of £12,000. This has enabled the Council to proceed with the buildings most urgently needed. Additions to the Library, provision for the Law School, and further accommodation for the Arts School, are nearly completed. A tender has been accepted for additions to the Science School buildings, to make provision for the teaching of Botany.

On the recommendation of the Royal Commission, Parliament, when amending the University Act, also provided for an additional annual grant of £4,000 for the general purposes of the University.

## XXVIII. ADDITION OF BOTANY AND FORESTRY TO THE CURRICULUM.

## BOTANY.

The question of the importance of Botany has for some years been under the consideration of the Council, and in 1907, Miss Julia Stuckey presented £500 for the encouragement of the study of this subject. During 1911 the Government suggested the establishment of a Botanical Department, the head of which should act as consultant to the Government and undertake the investigation of parasitic and other diseases of plants. They offered a subsidy of £600 a year towards the cost of a chair of Botany. The Council resolved to appoint a Professor and build and equip a laboratory, both Professor and department to be available to the Government for the investigation of botanical problems. A tender for the building has been accepted, and steps are being taken to appoint a Professor.

## FORESTRY.

The Government having appointed an Instructor of Forestry in connection with the Forestry Department, the Council resolved to establish a course in this subject, and to include it in the curriculum for the degree of Bachelor of Science on lines similar to the B.Sc. degree with Agriculture. A provisional scheme has been prepared, but is subject to modification on the development of the complete course in Botany.

## XXIX. CONFERENCES BETWEEN AUSTRALIAN UNIVERSITIES.

During the year the question of holding conferences between the Australian Universities was dealt with by the respective Councils. As a result a preliminary conference was held in Sydney in September, attended by representatives from the Universities of Sydney, Melbourne, Adelaide, and Tasmania. It has now been resolved to hold these conferences triennially, and the next will be held in Melbourne at the time of the Science Congress.

## XXX. ACCOUNTS.

An abstract, duly audited, of the income and expenditure during the year 1911 is annexed to this Report. There is also a further statement, showing the actual position of the University with respect to its property, funds, and liabilities at the close of 1911.

Signed on behalf of the Council,

S. J. WAY,

Chancellor.

Adelaide, January 26, 1912.

# Financial Statements,

1911.

*Account of Income and Expenditure for the year which ended on the 31st  
and 38 Victoria*

	£	s. d.	£	s. d.
<b>Balances—</b>				
In Bank of Adelaide on 1st January, 1911 (Current Account) ... ..	22	7 5		
In hands of Agent-General on 1st January, 1911	80	6 7		
In hands of Accountant ... ..	25	0 0		
			127	14 0
<b>Subsidy—</b>				
H.M. Government subsidy on endowments ... ..	7,191	19 0		
Less amount outstanding ... ..	1,800	16 0		
			5,391	3 0
<b>Fees—</b>				
Schools of Arts and Science, Evening Classes and Public Examinations .. ..	3,955	16 4		
School of Law ... ..	717	17 0		
School of Medicine ... ..	1,933	1 0		
School of Music:				
Mus. Bac. Course and Public Examinations in Music... ..	300	6 6		
Elder Conservatorium ... ..	2,063	19 6		
Concerts ... ..	122	5 6		
			2,486	11 6
Diploma in Commerce ... ..			287	11 2
			9,380	17 0
<b>Interest—</b>				
Accrued due to date ... ..	4,997	14 1		
Less amount outstanding ... ..	107	3 4		
			4,890	10 9
<b>Rent—</b>				
Accrued due to date ... ..			173	0 0

Forward

£19,963 4 9



		£	s.	d.
	Brought forward	19,963	4	9
Donation to Law School	... ..	250	0	0
Donation by Pharmaceutical Society of South Australia	... ..		7	7
<i>Calendar—</i>				
Received on sale of Calendars	... ..	34	18	0
<i>Geo. Brookman, Esq.—</i>				
The "Brookman Prize"	... ..	5	5	0
<i>Frederick Bevan, Esq.—</i>				
The "Frederick Bevan Prize"	... ..	5	5	0
<i>Professor Innis—</i>				
The "Innis" Prize	... ..	5	5	0
Students' Lockers: Rent	... ..		1	17
H.M. Treasury temporary advance	... ..	2,104	3	2

Forward £22,377 5 5

	Brought Forward					£ s. d.	£ s. d.
						17,351	19 2
<i>Diploma in Commerce—</i>							
Honoraria to Lecturers	...	...	...	...	...	167	3 5
Printing, &c.	...	...	...	...	...	31	9 3
						<hr/>	
							198 12 8
<i>Angas Engineering Scholarship—</i>							
Remitted to Agent-General	...	...	...	...	...	200	0 0
<i>Angas Engineering Exhibition—</i>							
Paid Exhibitors	...	...	...	...	...	108	15 0
Advertising and Printing	...	...	...	...	...	2	14 0
						<hr/>	
							111 9 0
<i>J. H. Clark Scholarship—</i>							
Paid Scholars	...	...	...	...	...	40	0 0
<i>Dr. Davies Thomas Scholarship—</i>							
Paid Scholars	...	...	...	...	...	20	0 0
<i>Roby Fletcher Prize—</i>							
Paid Prizeman	...	...	...	...	...	10	0 0
<i>Stow Prizes—</i>							
Medals and Duty thereon...	...	...	...	...	...	35	3 9
<i>Elder Prizes—</i>							
Paid Prizemen	...	...	...	...	...	20	0 0
<i>E. Barr Smith Prize—</i>							
Paid Prizeman	...	...	...	...	...	10	0 0
<i>Everard Scholarship—</i>							
Paid Scholar	...	...	...	...	...	30	0 0
<i>Tennyson Medals—</i>							
Engraving	...	...	...	...	...		8 10
<i>Andrew Scott Memorial Prize—</i>							
Paid Prizeman	...	...	...	...	...	6	0 0
<i>Tinline Scholarship—</i>							
Paid Prizemen	...	...	...	...	...	60	0 0
<i>David Murray Scholarship—</i>							
Paid Prizemen	...	...	...	...	...	70	16 8
<i>Lowrie Scholarship—</i>							
Printing	...	...	...	...	...		17 1
<i>Hartley Studentship—</i>							
Printing	...	...	...	...	...	1	7 5
<i>The Brookman Prize—</i>							
Paid Prize	...	...	...	...	...	5	5 0
<i>Oratorio Prize—</i>							
Paid Prize	...	...	...	...	...	5	5 0
<i>The Bevan Prize—</i>							
Paid Prize	...	...	...	...	...	5	5 0
<i>The Ennis Prize—</i>							
Paid Prize	...	...	...	...	...	5	5 0
<i>The Robert Whinham Prize</i>	...	...	...	...	...	5	0 0
<i>Registrar's Department and House Salaries</i>	...	...	...	...	...	1,737	7 0
<i>Senate</i>	...	...	...	...	...	58	2 5
<i>Stationery</i>	...	...	...	...	...	128	6 3
<i>Buildings—Repairs and Additions</i>	...	...	...	...	...	188	7 1
<i>Land Tax</i>	...	...	...	...	...	117	11 2
						<hr/>	
						Forward	£20,422 8 6

	£	s.	d.
Brought forward	£22,377	5	5

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£22,377 5 5

F. W. EARDLEY,  
Accountant

	£	s.	d.	£	s.	d.
	Brought Forward			£20,422	8	6
<i>Miscellaneous Expenses—</i>						
Advertising, Printing, Gas, Water, House Sundries, Auditors' Fees, Insurance, Petty Cash, &c. ... ..				920	11	1
<i>Trustees of the Sports Ground—</i>						
General Expenses, Annual Grant ...				300	0	0
<i>Interest—</i>						
Interest on Temporary Advances ... ..				246	10	1
<i>Calendar—</i>						
Printing ... ..				210	13	0
<i>Joseph Fisher Medal—</i>						
Printing ... ..				6	6	5
<i>Piano Sinking Fund Policy</i> ... ..				84	14	2
<i>Balances—</i>						
In hands of Agent-General ... ..	87	2	6			
In Bank of Adelaide (Current Account) ... ..	£386	10	7			
Less cheques outstanding	312	10	11			
				73	19	8
In hands of the Accountant ... ..	25	0	0			
				186	2	2
				£22,377	5	5

We report that we have duly audited the various Books of Account and other records relating to the Income and Expenditure of the University of Adelaide in respect to the year which ended on the 31st day of December, 1911, and do certify the above statement to be a correct abstract of such Income and Expenditure during the period named. No apportionment, however, has been made in respect of interest accrued due to and by the University and unpaid on the said 31st day of December, 1911.

J. EDWIN THOMAS, F.I.A.S.A., }  
 ARTHUR YOUNG HARVEY, } Auditors.

Adelaide, 22nd January, 1912.

## THE UNIVERSITY

**A***Statement Showing the Actual Financial Position*

	DR.	£	s.	d.	£	s.	d.
<b>ENDOWMENTS—</b>							
Sir W. W. Hughes (Arts and Science)	...	20,000	0	0			
Sir T. Elder (Arts and Science)	..	20,000	0	0			
Sir T. Elder (Medical School)	... ..	30,000	0	0			
Sir T. Elder (Music School)	... ..	20,000	0	0			
Hon. J. H. Angas (Chair of Chemistry)	...	6,000	0	0			
Hon. J. H. Angas (Engineering Scholarship)	...	4,000	0	0			
David Murray Scholarships	... ..	2,000	0	0			
Evening Classes	... ..	1,220	0	0			
Everard Scholarship	... ..	1,000	0	0			
J. Fisher, Esq. (Commercial Education)	...	1,000	0	0			
Tinline Scholarship	... ..	1,000	0	0			
Dr. Charles Gosse Lectureship	... ..	800	0	0			
Hartley Studentship	... ..	600	0	0			
Private Contributions	... ..	600	3	0			
Botanical Laboratory (Miss Julia Stuckey)	...	503	3	0			
Stow Prizes and Scholarship	... ..	500	0	0			
John Howard Clark Scholarship	... ..	500	0	0			
The Dr. E. W. Way Lectureship on Gynæcology	...	473	1	3			
The Dr. Davies-Thomas Scholarship	...	400	0	0			
Roby-Fletcher Scholarship	... ..	160	0	0			
St. Alban Scholarship	... ..	150	0	0			
S.A. Commercial Travellers' Association Scholarship	... ..	150	0	0			
R. Barr Smith Prize for Greek	... ..	150	0	0			
Andrew Scott Memorial	... ..	115	0	0			
The Tennyson Medals	... ..	100	0	0			
The Robert Whinham Prize	... ..	84	9	6			
The Tate Memorial Medal	... ..	60	0	0			
							111,565 16 9
<i>General Purposes—</i>							
Sir T. Elder (Endowment)	... ..	25,000	0	0			
Temporary Advances	... ..	8,764	0	10			
Contributed from Income	... ..	6,251	18	10			
							40,015 19 8
							£151,581 16 5
					Forward		

## OF ADELAIDE.

*in respect to Capital as on 31st December, 1911.*

	£	s.	d.	£	s.	d.
<b>INVESTMENTS OF ENDOWMENTS ACCOUNT—</b>						
On Mortgage and in Land ... ..	5,295	18	10			
In English, Scottish, & Australian Bank, Limited ... ..	9,345	0	0			
In State Bank of S.A., Mortgage Bonds (at cost) ... ..	10,318	0	0			
In Consolidated Stock of H.M. Govern- ment of S.A. (at cost) ... ..	84,606	17	11			
In W.A. Local Inscribed Stock ... ..	2,000	0	0			
				111,565	16	9
<b>INVESTMENT OF FUNDS FOR GENERAL PURPOSES—</b>						
Elder Conservatorium Building ... ..	18,780	5	8			
Prince of Wales Building ... ..	11,063	9	3			
Elder Anatomical Building ... ..	5,814	2	3			
S.A. Consolidated Stock (at cost) <i>see above</i>	4,358	2	1			
				40,015	19	8

Forward

£151,581 16 5

		£	s.	d.	£	s.	d.
Brought Forward					151,581	16	5
<b>LAND ENDOWMENT—</b>							
<b>ORIGINAL GRANT BY H.M. GOVERNMENT—</b>							
Country Lands	... ..	50,000	0	0			
Less repurchased for railway	... ..	103	13	9			
		<u>49,896</u>	<u>6</u>	<u>3</u>			
University site	... ..	5,000	0	0			
		<u>54,896</u>	<u>6</u>	<u>3</u>			
<b>CONTRIBUTIONS FROM INCOME</b>		3,187	16	0			
<b>SPECIAL DONATIONS FOR FENCE—</b>							
R. Barr Smith, Esq.	... ..	400	0	0			
Hon. J. J. Duncan	} ... ..	250	0	0			
W. H. Duncan, Esq.	} ... ..						
		<u>58,734</u>	<u>2</u>	<u>3</u>			
<b>BUILDINGS (UNIVERSITY)—</b>							
Contributed by H. M. Government	... ..	18,014	0	0			
Contributed by Private Donations	... ..	1,890	5	0			
Contributed from Income	... ..	19,209	4	8			
		<u>39,113</u>	<u>9</u>	<u>8</u>			
<b>ADDITIONS TO BUILDINGS—</b>							
Contributed to date by H.M. Government on account of							
£12,000 granted for buildings	2,880	0	0				
Advanced from Income	... ..	104	0	0			
		<u>2,984</u>	<u>0</u>	<u>0</u>			
					42,097	9	8
<b>SPECIAL ENDOWMENT—BARR SMITH LIBRARY—</b>							
Donations from R. Barr Smith, Esq.	... ..	9,000	0	0			
Interest thereon	... ..	105	19	11			
		<u>9,105</u>	<u>19</u>	<u>11</u>			
<b>CONTRIBUTED OUT OF INCOME towards the</b>							
Equipment, &c., of the University	... ..	16,806	1	8			
Special Donation by R. Barr Smith, Esq., for							
Apparatus	... ..	500	0	0			
Special Donation by R. Barr Smith, Esq., for							
Research Work...	... ..	510	0	0			
		<u>17,816</u>	<u>1</u>	<u>8</u>			
					<u>£279,335</u>	<u>9</u>	<u>11</u>

F. W. EARDLEY, Accountant.

	£ s. d.		£ s. d.	
	Brought forward		151,581 16 5	
<b>LAND ACCOUNT—</b>				
University Site—				
Original Grant ... ..	5,000	0	0	
Improvements thereon (ex- clusive of buildings) ...	937	14	6	
Balance of Special Dona- tion unexpended... ..	20	6	5	
	<hr/>		5,958	0 11
S.A. Inscribed Stock (pur- chase money for country lands) ... ..			40,000	0 0
Loss on Sale of Country Lands			12,776	1 4
	<hr/>		58,734	2 3
<b>BUILDINGS—</b>				
Expended on University Buildings ... ..	39,113	9	8	
Additions to Main Building— Expended to date... ..	2,984	0	0	
	<hr/>		42,097	9 8
<b>SPECIAL ENDOWMENT—Barr Smith Library—</b>				
Books purchased ... ..	8,162	18	6	
Balance unexpended ... ..	943	1	5	
	<hr/>		9,105	19 11
<b>EQUIPMENT—</b>				
Library Books and Binding ... ..	6,146	6	4	
Laboratories, Material and Apparatus, and unconsumed material ... ..	4,457	2	0	
Museum Exhibits, &c. ... ..	401	13	6	
Furniture ... ..	3,867	3	3	
Organ—Conservatorium ... ..	1,541	10	11	
Installation of Electric Light ... ..	392	5	8	
Special Donation: Expended on Apparatus	510	0	0	
Special Donation: Research Work—				
Expended on Apparatus ... ..	324	6	3	
Balance unexpended ... ..	175	13	9	
	<hr/>		500	0 0
	<hr/>		17,816	1 8
	<hr/>		£279,335	9 11

We report that we have examined the above statement purporting to show the financial position of the University of Adelaide in respect of Capital Funds as on the 31st day of December, 1911, and have compared the same with the entries in the various Books of Account and other records relating to the affairs of the said University, and as a result of our examination and audit we do hereby certify that the above statement is a correct abstract of such Books of Account. No apportionment, however, has been made in respect of interest accrued due to and by the University and unpaid on the said 31st day of December, 1911. We further report that the securities representing the investments shown in the above statement as well as the Land Grants and Certificates of Title belonging to the University have been produced to us.

J. EDWIN THOMAS, F.I.A.S.A., }  
ARTHUR YOUNG HARVEY, } Auditors

Adelaide, 22nd January, 1912.

## STATEMENT OF ACCOUNTS OTHER THAN

DR.	£	s.	d.	£	s.	d.
<b>EXTENSION LECTURES—</b>						
Balance 1st January, 1911	..	106	12	10		
Fees Received, etc.	... ..	153	15	0		
					265	7 10
<b>SPECIAL ENDOWMENT: BARR SMITH LIBRARY ACCOUNT—</b>						
Unexpended Balance, 1st January, 1911	... ..	126	16	4		
Donation	... ..	1,000	0	0		
					1,126	16 4
<b>TRUSTEES OF SPORTS FUND—</b>						
Donations to General Acct. (to date)		1,506	14	6		
“ Pavilion Acct., “		1,300	0	0		
“ Boat Shed Acct., “		750	0	0		
Balance due to University	... ..	46	15	7		
					3,603	10 1
<b>BARR SMITH RESEARCH FUND—</b>						
Unexpended Balance, 1st January 1911	... ..				181	11 7
<b>COMMERCIAL EDUCATION—</b>						
Balance 1st January, 1911	... ..	371	16	6		
Interest and Subsidy for 1911	... ..	90	0	0		
					461	16 6
<b>TATE MEDAL ACCOUNT—</b>						
Interest and Subsidy to date	... ..				43	13 11
<b>DAVID MURRAY SCHOLARSHIPS—</b>						
Unexpended Balance, 1st January, 1911	... ..	306	11	8		
Interest and Subsidy for 1911	... ..	180	0	0		
					486	11 8
<b>TINLINE SCHOLARSHIP—</b>						
Unexpended Balance, 1st January, 1911	... ..	154	3	6		
Interest and Subsidy	... ..	90	0	0		
					244	3 6
<b>LOWRIE SCHOLARSHIP—</b>						
Donations	... ..	500	0	0		
Interest to 31st Dec., 1911	... ..	1	5	0		
					501	5 0
<b>BRITISH MEDICAL ASSOCIATION (S.A. Branch)—</b>						
Unexpended Balance 1st January, 1911	... ..	12	6	0		
Donations to Library during 1911	... ..	75	0	0		
					87	6 0
					<u>£7,002</u>	<u>2 5</u>

## CAPITAL AND INCOME FOR THE YEAR 1911.

CR.	£	s.	d.	£	s.	d.
<b>EXTENSION LECTURES—</b>						
Advertising, Printing, and other Expenses ... ..	79	11	2			
Fees to Lecturers ... ..	94	10	0			
Balance (unexpended) ... ..	91	6	8			
				265	7	10
<b>SPECIAL ENDOWMENT: BARR SMITH LIBRARY ACCOUNT—</b>						
Expended on account of Books	183	14	11			
Bal. unexpended, 31st Dec., '11	943	1	5			
				1,126	16	4
<b>TRUSTEES OF SPORTS FUND—</b>						
Expended on General Account	1,590	2	4			
“ Pavilion Account	1,252	14	9			
“ Boat Shed ... ..	750	0	0			
“ Lighting ... ..	10	13	0			
				3,603	10	1
<b>BARR SMITH RESEARCH FUND—</b>						
Expended on Apparatus & Material	5	17	10			
Unexpended to date ... ..	175	13	9			
				181	11	7
<b>COMMERCIAL EDUCATION—</b>						
Printing ... ..	6	6	5			
Balance (unexpended) ... ..	455	10	1			
				461	16	6
<b>TATE MEDAL ACCOUNT—</b>						
Balance (unexpended) ... ..				43	13	11
<b>DAVID MURRAY SCHOLARSHIPS—</b>						
Paid Scholars ... ..	70	16	8			
Transferred to Income Account	328	5	0			
Balance (unexpended) ... ..	87	10	0			
				486	11	8
<b>TINLINE SCHOLARSHIP—</b>						
Paid Scholars ... ..	60	0	0			
Transferred to Income Account	184	3	6			
				244	3	6
<b>LOWRIE SCHOLARSHIP—</b>						
Printing, etc. ... ..	17	1				
Balance ... ..	500	7	11			
				501	5	0
<b>BRITISH MEDICAL ASSOCIATION—</b>						
Expended on Books ... ..	79	3	4			
Balance (unexpended) ... ..	8	2	8			
				87	6	0
				<u>£7,002</u>	<u>2</u>	<u>5</u>

THE UNIVERSITY OF ADELAIDE.

PASS LISTS, 1911.

**EXAMINATIONS HELD IN MARCH.**  
**ORDINARY EXAMINATION FOR THE DEGREE OF**  
**BACHELOR OF LAWS.**

**PASS LIST.**

(In order of merit.)

**Property, Part I.**

THIRD CLASS.

Joyner, Max Frederick

| Regan, James William

**Property, Part II.**

None passed.

**Constitutional Law.**

None passed.

**Law of Contracts.**

SECOND CLASS.

Blackburn, Arthur Seaforth

THIRD CLASS.

Mellor, Thomas Reginald

| Pyne, William Ewart

**Latin.**

Division II.

Reed, Geoffrey Sandford

**Economics I.**

THIRD CLASS.

Cox, Edwin Baxter

**SUPPLEMENTARY EXAMINATION FOR THE DEGREES OF**  
**MEDICINE AND BACHELOR OF SURGERY.**

**PASS LIST.**

FIRST YEAR.

**Inorganic Chemistry.**

Theoretical.

Wein-Smith, Geoffrey

**Practical.**

Beard, Jack Roland Stanley Grose

Thus completing the First Year.

**SPECIAL EXAMINATION FOR INTENDING STUDENTS IN  
MEDICINE.****PASS LIST.****Biology.**

Birch, John Bright

**Inorganic Chemistry.**

Birch, John Bright

**Elementary Physics.**

Abbot, Nigel Basil Gresley

Jose, Ivan Bede

**DEGREE EXAMINATIONS.****November, 1911.****EXAMINATION FOR THE HONOURS DEGREE OF  
BACHELOR OF ARTS.****PASS LIST.****Classics.**

FIRST CLASS.

\*Barton, Felix Kingston

SECOND CLASS.

Potts, Gilbert MacDonald

**Philosophy.**

FIRST CLASS.

†Allen, Eleanor Alice

**Mathematics.**

SECOND CLASS.

Fornachon, Paul Charles Albert

\* Recommended for the David Murray Scholarship in Classics.

† Recommended for the David Murray Scholarship for an Essay on Teleology.

**EXAMINATION FOR THE HONOURS DEGREE OF  
BACHELOR OF SCIENCE.****Physiology (69).**

SECOND CLASS.

(In alphabetical order.)

Haste, Reginald Arthur

Wibberly, Brian William

**Chemistry (54).**

## SECOND CLASS.

Hardy, Tom Mayfield

The following students passed in subjects of the Courses for the Ordinary Degree of Bachelor of Arts or Bachelor of Science, or the Applied Science Course, at the annual examination in November, 1911. These lists do not include undergraduates in the Faculty of Laws.

**PASS LISTS**

(In alphabetical order.)

**Greek (1).**

## FIRST YEAR.

## Division I.

Bartlett, William John  
\*Bean, Edgar LaytonStewart, Colin Gore  
Williams, Francis Edgar

## Division II.

Price, Walter John

Tassie, Jean Reid

## Division III.

Carne, Alfred George  
Fearon, Herbert DouglasStevens, Aubrey Clement  
Tuck, Bernard Edward Charles

\*Recommended for the Barr Smith Prize in Greek.

## SECOND YEAR.

## Division I.

Walter, Hilda Blanche May

## Division II.

Mayo, Mary Penelope  
O'Donoghue, Stephen Kevin

Prince, Erica Lloyd

## Division III.

Johnson, William Herbert

Mutton, Henry Edwin Howard

**Latin (2).**

## FIRST YEAR.

## Division I.

Bean, Edgar Layton  
Gale, Frederick Julius\*Stewart, Colin Gore  
\*Williams, Francis Edgar

## Division II.

Cleggett, Edith  
Fornachon, Paul Charles Albert, B.Sc.  
Jeffrey, Frederick Sampson  
Leslie, ColinPotter, Roy Adolph  
Price, Walter John  
Sanders, Harold William  
Tassie, Jean Reid

## Division III.

Caut, Leslie George William	Moyle, John Ewart
Hamilton, Gerald Claude	Warren, Sidney Lilla
Higginbottom, Edwin Corbett	Willcock, Olive Amelia

\*Recommended for the Andrew Scott Prize.

*Proxime accessit* : Bean, Edgar Layton

## SECOND YEAR.

## Division I.

Bartlett, William John	Walter, Hilda Blanche May
Ellis, Arthur Benjamin	

## Division II.

Bronner, Rudolph	Prince, Erica Lloyd
Coles, Mignonette	Sickert, Helene Martha
Ledger, Gladys May	Ward, Harry Lancelot

## Division III.

Bagot, Edward Mead	Nietz, Herbert Walter
Barnard, Margnerita Mira	Pitt, Arthur William
Flint, Harold Elsdon	Potter, Roy Adolph
Harry, Irene Pearl	Warren, Sidney Lilla
Hill, John Holroyd	

**English Language and Literature (8).**

## Division I.

Bartlett, William John	*Jones, Louisa Lorrie
Clare, Dorothy Cosgrave	Williams, Francis Edgar
Jeffery, Frederick Sampson	

## Division II.

Belcher, Daisy Muriel	Jenkin, Alfred John Roseland
Bennett, Charles Gordon	Sickert, Helene Martha
Caut, Leslie George William	Stephens, Ella Mary
Cleggett, Edith	Symons, Ivor Gordon
Dearlove, Cato Russell Houghton	Warren, Sidney Lilla
Gartrell, Minnie Foxwell Henrietta	Wilkinson, Herbert John

## Division III.

Diment, William Stuart	Miller, Elsie May
Hill, John Holroyd	Purton, David Gabriel
Jackman, Helen Druitt	Shetliffe, George Thomas
Johnson, Edwin Ralph	Statton, Josiah William
Leslie, Colin	

\*Recommended for the John Howard Clark Scholarship in English Literature

*proxime accesserunt* { Clare, Dorothy Cotgrave  
 { Bartlett, William John

**French (9).**

## FIRST YEAR.

## Division II.

Blair, Euphemia Theodosia  
Brown, Philip  
Ledger, Gladys Mary

McAteer, Patrick Joseph  
Powell, Miriam Athalie

## Division III.

Maclaren, Peter Patrick

Sanders, Grace Annie

## SECOND YEAR.

## Division I.

Allen, Eleanor Alice

## Division II.

Haines, Minnie

Moncrieff, Josephine Hartley

## Division III.

Barnard, Marguerita Mira

**German (10.)**

## FIRST YEAR.

## Division II.

Schäche, Alma Olga Antonia, B.A.

## Division III.

Gerlach, Max Johann  
Klose, John Emil Alfred

Nairn, Alexander Livingstone,  
B.A.

## SECOND YEAR.

## Division II.

Andrew, Horace Walpole

## Division III.

Nietz, Herbert Walter

Verco, Claude Maythorn

**History of the United Kingdom (12).**

## Division I.

Blair, Euphemia Theodosia  
Ellis, Arthur Benjamin  
\*Jackson, Sarah Elizabeth

Ledger, Gladys May  
Woolnough, Harold, B.A.

## Division II.

Bagot, Edward Mead  
Bean, Edgar Layton

Boyer, Gertrude Mary  
Mills, Sydney Sylvanus

\*Recommended for the Tinline Scholarship.

## Division III.

Ghuis, John  
 Ingleton, Helena Webster  
 Jaunay, Gladys Hilda Puttick  
 McAteer, Patrick Joseph

O'Donoghue, Stephen Kevin  
 Robin, Beatrice Ruth  
 Smith, Iris Eileen

**Economics (I.) (20).**

## Division I.

Allen, Eleanor Alice  
 Blair, Euphemia Theodosia  
 Cornelius, John Gerald  
 Cowell, Francis Henry, B.A.

Ham, William  
 Mayo, Mary Penelope  
 Schäche, Alma Olga Antonia, B.A.  
 Weir, Isobel

## Division II.

Barbour, Helen  
 Bronner, Rudolph  
 Hurley, Leonard Joseph Bernard  
 Mann, Gertrude Irene

Schmitz, Maurice  
 Warren, Sidney Lilla  
 Wilkinson, Herbert John

## Division III.

Allen, Edgar B.A.  
 Barbour, Robert  
 Carr, Emma Lucy  
 Charlesworth, George  
 de Lisle, Frank  
 Dunstan, John Francis  
 Finnis, Harold Jack  
 Flint, Harold Elsdon  
 Kelly, William Stanley  
 Kuchel, Carl Wilhelm August, B.A.

Lundberg, Carl Oscar  
 Murphy, Dennis Daniel  
 Nicholas, Edward David  
 Page, Albert Edward  
 Rossiter, James Leonard, B.A.  
 Rowe, Edgar Percival  
 Smith, Archeline Mary Cathcart  
 Stevens, Aubrey Clement  
 Sutton, Richard

**Economics (II.) (20).**

## Division I.

Allen, Eleanor Alice

**Psychology (21).**

## Division I.

Davey, Constance Muriel  
 Giles, Harold

Potter, Roy Adolph

## Division II.

Bennett, Charles Gordon  
 Hardy, Mabel Phyllis

Lushey, Harold Merton  
 Stephens, Ella Mary

## Division III.

Buckingham, May  
 Dunstan, John Francis  
 Johnson, William Herbert  
 Jones, Louisa Lorrie  
 Nelson, Arthur Carl

Proud, Millicent Farrer  
 Sickert, Helene Martha  
 Thomas, Frank Williams  
 Welsh, Daisy Elsie

**Logic (22).**

## Division I.

Giles, Harold		Proud, Emily Dorothea, B.A.
Potter, Roy Adolph		

## Division II.

Allen, Lois Waveney		Potts, Ethelwyn, B.A.
Hardy, Mabel Phyllis		Powell, Miriam Athalie
Moyle, Sidney		Proud, Millicent Farrer

## Division III.

Baker, Mabel Jewell		P'Anson, Arthur Kinsey
Barbour, Graemme Madowal, B.A.		Love, James Robert Beattie
Bartholomaeus, Edmund Stanley		Nelson, Arthur Carl
Fleming, Sandford		Stephens, Ella Mary
Gilbert, Walter Stanley Scollard		Worsnop, Elsie Madeline, B.A.

Recommended for the Roby Fletcher Prize in Psychology and Logic.

Giles, Harold

**Ethics (23).**

## Division III.

Martin, William Thomas

**Philosophy (24).**

## Division I.

Giles, Harold		Jackson, Sarah Elizabeth
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## Division II.

Clare, Dorothy Cotgrave		Powell, Miriam Athalie
Mayo, Mary Penelope		Stevens, Aubrey Clement

## Division III.

Abbott, Charles Arthur Hillas		Johnson, William Herbert
Lempriere		Muirden, William, B.A.
Allen, Lois Waveney		Thomas, Frank Emerson
Bronner, Rudolph		

**Education (26).**

## Division I.

Boyer, Gertrude Mary		Mills, Sydney Sylvanus
Clare, Dorothy Cotgrave		Symons, Ivor Gordon
Giles, Harold		Wilkinson, Herbert John

## Division II.

Barnard Marguerita Mira		Jackman, Helen Druitt
Belcher, Daisy Muriel		Leslie, Colin
Dearlove, Cato Russell Houghton		Page, Albert Edward
Gartrell, Minnie Henrietta Foxwell		Tuck, Constance Irene

Division III.

Biddle, John Parr Harding		Jenkin, Alfred John Roseland
Capper, Doris Elfreda		Johnson, Edwin Ralph
Diment, William Stuart		Lundberg, Carl Oscar
Fairweather, Winifred Mary		Molineux, Eugene Gilbert
Fowler, Myrtle Carletta		Pavia, Dorothy Adele
George, Mildred Alice		Schmitz, Maurice
Hall, Doris Gardner		Statton, Josiah William
Hastwell, Amy		Wellington, Gordon Stanley
Jeffery, Frederick Sampson		

**Pure Mathematics (30).**

FIRST YEAR.

Division I.

(In order of merit.)

Davis, Ray		Nietz, Herbert Walter
Shelton, William Ernest		

Division II.

(In order of merit.)

Orr, George Edgar		Sickert, Helene Martha
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Division III.

(In alphabetical order).

Crump, Elizabeth Bryce		Fowler, Myrtle Carletta
Cummins, Edith Alice		Gault, Estelle Ruth
Dart, Ralph John		Johnstone, Robert Alfred
Davey, Esther Marion		Wellington, Gordon Stanley

**PURE MATHEMATICS (31).**

SECOND YEAR.

Division I.

(In order of merit.)

Davis, Ray		Stephens, Eric Goyne
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Division II.

(In order of merit.)

Heyne, Ida Marie	} equal		Willsmore, Hurtle Binks
Heyne, Laura Olga Hedwig			
Gillham, Charles Alfred			

Division III.

Barnard, Marguerita Mira

**PURE MATHEMATICS (32).**

THIRD YEAR.

Division II.

Baxter, Reginald Robert	} equal
Sanders, Harold William	

**Applied Mathematics (33).**

Division I.

Oldfield, Richard Gregory

Division II.

(In order of merit.)

Baxter, Reginald Robert  
Pollard, Frank DowlandBrisbane, David William  
Wilton, Richard Gladstones

Division III.

(In alphabetical order.)

Dart, Ralph John  
Goode, Kenneth BurdenLawrie, Elwyn Ross  
Rossiter, James Leonard**Applied Mechanics (36).**

Division I.

Potts, William Andrew

Division II.

(In order of merit.)

Sanders, Harold William

| McDonald, Cyril George Hugh

Division III.

(In alphabetical order.)

Basedow, Fritz Johannes  
Lawrie, Elwyn Ross

| Swift, Harry Houghton

**Physics (37).****First Year. B.A., Compulsory B.Sc. and Applied Science.**

Division I.

Johnson, Edwin Ralph

Division II.

(In order of merit.)

Plötz, Oscar Arnold  
Wilkinson, Herbert John  
Bennett, Charles Gordon  
Davis, Ray| Madigan, Paul Edward  
Duncan, Hugh Sinclair  
Orr, George Edgar

Division III.

(In alphabetical order.)

Browne, Philip  
Clinton, Edgar  
Dunstan, John Leonard  
Ellison, Thomas William  
Funnell, Arthur Harold  
Gault, Estelle Ruth  
Harder, John Reddie  
Hines, Peter Joseph  
Jeffreys, Jeffrey Graham  
Kenihan, Raphael Leo  
Long, William  
McKail, Ronald George| Marmion, Robert James  
Matthews, Frank  
Noack, John Charles  
Pender, Roy  
Potts, Roy Edred  
Shelton, William Ernest  
Shipway, John Sutherland  
Tilley, Cecil Edgar  
Walker, Archibald Peter  
Wardle, Geoffrey Norman  
Webb, Walter Frederick Swanton

**Physics (38)**

## SECOND YEAR.

## Division II.

(In order of merit.)

Snow, Wilfred Rippon

McDoald, Cyril George Hugh

## Division III.

(In alphabetical order).

Basedow, Fritz Johannes  
McAteer, Patrick Joseph  
Nietz, Hubert WalterPollard, Frank Dowland  
White, William John**Physics (39).****Third Year B.Sc.**

## Division II.

Stephens, Eric Goyne

**Physics (40).****Third Year Applied Science.**

## Division II.

Sanders, Harold William

## Division III.

Swift, Harry Houghton

**Compulsory Chemistry, B.Sc. Course (45).****Inorganic Chemistry, B.A. Course.**

## Division I.

(In order of merit).

Plotz, Oscar Arnold

Dunstan, John Leonard } equal  
Tilley, Cecil Edgar }

## Division II.

(In order of merit).

Wardle, Geoffrey Norman  
Southern, Harold Alfred } equal  
Tuck, Constance Irene }Bartlett, William John } equal  
Browne, Philip }  
Hall, Doris Gardner }  
Timcke, Edward Waldemar }

## Division III.

(In alphabetical order).

Bennett, Norman Robertson  
Fowler, Russell A.  
Funnell, Arthur Harold  
Gault, Estelle Ruth  
Marmion, Robert JamesNoack, John Charles  
Pender, Roy  
Potter, Roy Adolph  
Webb, Walter Frederick Swanton  
Woods, Mina**Chemistry, Part I., Theoretical, (46.)**

## Division I.

Dawkins, Alfred Ernest

## Division II.

Finlayson, Hedley Herbert

## Division III.

(In alphabetical order).

Davey, Esther Marion

Southern, Harold Alfred

**Chemistry Part I., Practical, (48).**

## Division I.

(In order of merit.)

Southern, Harold Alfred

Correll, Percy Edward

Finlayson, Hedley Herbert

Davey, Esther Marion

## Division II.

Hylton, James Roy

**Chemistry Part II., Theoretical, (47).**

## Division I.

Hardy, Tom Mayfield

**Chemistry, Part II., Practical, (49).**

## Division I.

Hardy, Tom Mayfield

**Organic Chemistry (51 and 53).**

## Division II.

Shipway, Graham Stuart

## Division III.

Finlayson, Hedley Herbert

**Physiography (55A).**

## Division II.

(In order of merit.)

Goode, Kenneth Burden

McKail, Ronald George

Riddle, Arthur Raymond

Gault, Estelle Ruth

## Division III.

(In alphabetical order.)

Madigan, Paul Edward

Schedlich, Alfred Karl

Pinches, Alfred Leslie

**Geology, Part I. (55).**

## Division III.

Goode, Kenneth Burden

**Mineralogy Part I. (55).**

## Division II.

Norton, John Charles Brazil

Division III.

(In alphabetical order).

Hylton, James Roy

| Snow, Wilfred Rippon

**Mineralogy, Part II. (56).**

None passed.

**Mining Geology (61).**

Division I.

(In order of merit).

Pearson, Harold Ford

| Basedow, Fritz Johannes

**Biology (66).**

Division I.

Kahan, Raoul Robellaz

Division II.

(In order of merit.)

Baxter, Reginald Robert  
Oldfield, Richard Gregory

} equal

| Plätz, Oscar Arnold  
Davey, Esther Marion

Division III.

(In alphabetical order)

Gault, Esther Ruth  
Glauert Ludvig  
Lee, Thomas Nelson

| Stephens, Eric Goyne  
Wardle, Geoffrey Norman  
Woods, Mina

**Physiology (68) Final.**

Division I.

(In order of merit)

Haste, Reginald Arthur

| Wibberley, Brian William

**Applied Mechanics II. (73).**

FIRST CLASS.

Dart, Ralph John  
Sanders, Harold William

} equal

SECOND CLASS.

White, William John

THIRD CLASS.

McDonald, Cyril George Hugh

**Assaying I. (75).**

THIRD CLASS.

Snow, Wilfred Rippon

**Assaying II. (76).**

**(Metallurgy Course).**

THIRD CLASS.

Goode, Kenneth Burden

**Assaying III. (79).**  
**(Metallurgy Course).**

None passed.

**Building Construction (80).**

FIRST CLASS.

Duncan, Hugh Sinclair } equal  
 Goode, Kenneth Burden }

**Drawing I. (81).**

**Intermediate Freehand.**

FIRST CLASS.

Duncan, Hugh Sinclair

SECOND CLASS.

Harder, John Reddie

| Jeffreys, Jeffrey Graham

THIRD CLASS.

Funnell, Arthur Harold

**Second Grade Plane Geometry.**

SECOND CLASS.

Duncan, Hugh Sinclair } equal  
 Jefferys, Jeffery Graham }

THIRD CLASS.

Pender, Roy

**Second Grade Solid Geometry.**

FIRST CLASS.

Duncan, Hugh Sinclair

**Perspective.**

FIRST CLASS.

Jefferys, Jeffery Graham

SECOND CLASS.

Funnell, Arthur Harold

THIRD CLASS.

Pender, Roy

**Drawing II. (82).**

SECOND CLASS.

Sanders, Harold William

THIRD CLASS.

Harder, John Reddie  
 McDonald, Cyril George Hugh

| Shipway, John Sutherland  
 |

**Drawing III. (83).**

THIRD CLASS.

Dart, Ralph John  
 Potts, William Andrew

| Swift, Harry Houghton

**Fitting and Turning I. (86).**

SECOND CLASS.

Pender, Roy

| Snow, Wilfred Rippon

THIRD CLASS.

Funnell, Arthur Harold

| Tilley, Cecil Edgar

**Fitting and Turning II. (87).**

FIRST CLASS.

Shipway, John Sutherland

SECOND CLASS.

Harder, John Reddie  
Wilton, Richard Gladstones

| McDonald, Cyril George Hugh  
Sanders, Harold William

**Electrical Engineering I. (85a).**

Division I.

Potts, William Andrew

Division II.

Swift, Harry Houghton

Division III.

Dart, Ralph John

**Electrical Engineering (85).**

Division I.

Cooper, Wilfred Windham

Division II.

Brown, Arthur Cubitt

**Hydraulics (89).**

Division I.

Sanders, Harold } William

Division II.

(In order of merit).

Motteram, Philip

| Allen, Charles Harold } equal  
Ide, Frank Boyle }

Division III.

Dart, Ralph John

**Machine Design I. (90).**

THIRD CLASS.

Basedow, Fritz Johannes

| Lawrie, Elwyn Ross

**Machine Design II. (91).**

SECOND CLASS.

Brown, Arthur Cubitt } equal  
Cooper, Wilfrid Windham }

**Machine Design III. (92).**

FIRST CLASS.

White, William John

**Mechanical Engineering I. (93).**

THIRD CLASS.

Snow, Wilfred Rippon

**Mechanical Engineering II. (94).**

FIRST CLASS.

Sanders, Harold William

THIRD CLASS.

McDonald, Cyril George Hugh

**Mechanical Engineering III. (95).**

FIRST CLASS.

Potts, William Andrew

THIRD CLASS.

Swift, Harry Houghton

**Mechanical Engineering IV. (96).**

FIRST CLASS.

White, William John

**Metallurgy I. (97).****Theoretical.**

FIRST CLASS.

Snow, Wilfred Rippon

SECOND CLASS.

Hylton, James Roy

**Practical.**

FIRST CLASS.

Hylton, James Roy

SECOND CLASS.

Snow, Wilfred Rippon

|     Jeffreys, Jeffrey Graham

**Metallurgy II. (99).**

FIRST CLASS.

Goode, Kenneth Burden

**Metallurgy III. (100).**

FIRST CLASS.

Goode, Kenneth Burden

SECOND CLASS.

Basedow, Fritz Johannes

**Ore Dressing (103).**

THIRD CLASS.

Goode, Kenneth Burden

**Railway Engineering (105).**

Division I.

Cooper, Wilfred Windham

## Division II.

(In order of merit).

Potts, Frederick Arnold | Swift, Harry Houghton

## Division III.

Maughan, Frederick Milton

**Surveying. (106).**

## SECOND CLASS.

Potts, William Andrew | McDonald, Cyril George Hugh

## THIRD CLASS.

Correll, Percy Edward

**Botany (57).**

## Division II.

(In order of merit).

Savage, Clarence Golding | McKail, Ronald George

**WOODS AND FORESTS DEPARTMENT.****Preliminary Paper in Forestry.**

## Division II.

McKail, Ronald George

## Division III.

(In alphabetical order)

Pinches, Alfred Leslie | Schedlich, Alfred Karl

**ORDINARY EXAMINATION FOR THE DEGREE OF  
BACHELOR OF LAWS.****PASS LIST.****Property, Part I. (110).**

(In order of merit).

## FIRST CLASS.

Griffiths, Thomas Lester

## SECOND CLASS.

Badger, Robert		Pyne, William Ewart
Jones, Doris Egerton, B.A.		McDonald, Ross
Reed, Geoffrey Sandford		Blackburn, Arthur Seaforth
Moody, Harold Eric		Tucker, Reginald Mervyn

## THIRD CLASS.

Healy, Kevin John	} equal		Millhouse, Eric William John
Mellor, Thomas Reginald			Marshall, George Steel
Sweeney, John Grant			

**Law of Property, Part II. (111).**

(In order of merit.)

## SECOND CLASS.

Heuzenroeder, Rudolph Hermann

## THIRD CLASS.

Roberts, Donald Arthur	} equal	Joyner, Max Frederick
Rankin, Henry Oliver Arthur		Gelston, Hedley Ringrose
Smith, Frank Seymour		

**Constitutional Law (112).**

(In order of merit.)

## FIRST CLASS.

Badger, Robert

## SECOND CLASS.

Griffiths, Thomas Lester		Sweeney, John Grant
Blackburn, Arthur Seaforth		

## THIRD CLASS.

Abbott, Charles Arthur	} equal	Millhouse, Eric William John
Hillas Lempriere		Rollison, William Alexander
Reed, Geoffrey Sandford		Joyner, Max Frederick
Moody, Harold Eric		

**Law of Contracts (113).**

(In order of merit.)

## SECOND CLASS.

Nesbit, Hubert Gordon Pariss	} equal	Ross, Dndley Bruce
Kerr, Donald		Healy, Kevin John
McGee, John		Varley, Willia .. } equal

## THIRD CLASS.

Piper, Harold Bayard	} equal	Davey, Robert Shannon
Moulden, Arnold Meredith		Sinclair, John Mitchell
Jones, Doris Egerton, B.A.	} equal	Hunt, William Robert
Abbott, Charles Arthur		
Hillas Lempri.e		
McDonald, Ross		

**Law of Wrongs (114).**

(In order of merit)

## FIRST CLASS.

Hannan, Albert James B.A.

## SECOND CLASS.

Badger, Robert		Schultz, Frederick Balfour
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## THIRD CLASS.

McDonald, Ross		Roberts, Donald Arthur
Ferguson, Angus Salier		Marshall, George Steele
Pyne, William Ewart		Regan, James William
Tucker, Reginald Mervyn		

**Roman Law (115).**

(In order of merit)

FIRST CLASS.

\* Whittington, Louis Arnold

SECOND CLASS.

Norman, William Ashley  
Hannan, Albert James, B.A.  
Schulz, Frederick Balfour

Campbell, Donald  
Pinch, Allan Love

THIRD CLASS.

Ferguson, Angus Salier, B.A.  
Mills, John Brier

Yuill, George Ashwin

\* Recommended for the David Murray Scholarship.

**Theory of Law and Legislation (117).**

(In order of merit)

FIRST CLASS.

† Norman, William Ashley

SECOND CLASS.

Hannan, Albert James, B.A.  
Whittington, Louis Arnold  
Ferguson, Angus Salier, B.A.

Schulz, Frederick Balfour  
Giles, Mortimer

THIRD CLASS.

Jones, Doris Egerton, B.A.

Yuill, George Ashwin  
Mills, John Brier

† Recommended for the David Murray Scholarship.

**Law of Evidence and Procedure (118).**

(In order of merit).

SECOND CLASS.

McDonald, Ross

Pinch, Allan Love

THIRD CLASS.

Cowan, George Dalrymple  
Campbell, Donald  
Gelston, Hedley Ringrose  
Thornton, Walter Archibald  
Heuzenroeder, Rudolph Hermann  
Smith, Frank Seymour

Giles, Mortimer  
Rankin, Henry Oliver  
Arthur  
Rollison, William Alex-  
ander } equal

**Latin.**

Division II.

Ross, Dudley Bruce

Division III.

(In alphabetical order).

Kerr, Donald  
Moulden, Arnold Meredith

Piper, Harold Bayard

**English History (12)**

(In alphabetical order).

Division II.

Piper, Harold Bayard

| Ross, Dudley Bruce

Division III.

Kerr, Donald

**Psychology (21)**

(In alphabetical order)

Division II.

Moulden, Arnold Meredith

| Reed, Geoffrey Sandford

Division III.

Yuill, George Ashwin

**Logic (22)**

Division I.

Moulden, Arnold Meredith

Division III.

Healy, Kevin John

**ORDINARY EXAMINATION FOR THE DEGREES OF  
BACHELOR OF MEDICINE AND BACHELOR OF  
SURGERY.****PASS LIST.**

(In order of merit)

**Ordinary Examination for the Degrees of M.B. and B.S.**

FIRST YEAR.

(Old regulations).

SECOND CLASS.

Sweeney, James Gladstone

THIRD CLASS.

Young, Alfreda Dorothy  
Kenihan, Raphael Leo

| Webb, Walter Frederick Swanton

Passed in Anatomy and Biology (thus completing the first year).

Shipway, Graham Stuart

FIRST YEAR

(New Regulations).

FIRST CLASS.

\*Rice, Patrick William  
Barlow, Douglas Lewis

| Love, John Alexander

\*Recommended for the Elder Prize.

SECOND CLASS.

Jose, Ivan Bede

THIRD CLASS.

Abbott, Nigel Basil Gresley | Birch, John Bright  
Ashby, Ivan Edwin |

Passed in Anatomy, Physiology, Physical and Practical Chemistry (thus completing the First Year).

Phillips, William James Ellery

SECOND YEAR.

FIRST CLASS.

\*Turner, Charles Trevor

SECOND CLASS.

Hayward, Lancelot Alfred | Wall, Frederick Lawrence

THIRD CLASS.

Kollosche, Harold Frank | Gardner, John Forrest  
Guymer, Ernest Alfred } equal |  
Beard, Jack Roland Stanley } equal |  
Grose } equal |

\*Recommended for the Elder Prize.

THIRD YEAR.

FIRST CLASS.

\*LeMessurier, Frederick } equal | Close, Walter John Westcott  
Neill } equal |  
\*Verco, Joseph Stanley } equal |

SECOND CLASS.

Strachan, James Charles Power  
Holder, Sydney Ernest } equal  
Davey, Laurance Llewellyn } equal  
Mayo, John Christian } equal

THIRD CLASS.

Godfrey, Kirke Charles } equal | Smith, Walter Leonard } equal  
Cockburn, Patrick } equal | Penny, Harold John } equal  
| Williams, Arthur Evan

\*Recommended for the Dr. Davies Thomas Scholarship.

FOURTH YEAR.

FIRST CLASS.

\*Reunic, Henry Charles Cadell } equal  
\*Florey, Hilda Josephine } equal

SECOND CLASS.

Tassie, Leslie Gemmel | Baker, Ralph Alderton  
Dunstone, Horace Edgar } equal | Nott, Harry Carew } equal  
Wells, John Clarence } equal | McEwin, Keith } equal

THIRD CLASS.

Powell, Harold | Lucas, Reginald Blockley

\* Recommended for the Dr. Davies Thomas Scholarship.

## PASS LISTS.

## FIFTH YEAR.

## FIRST CLASS.

\*Kneebone, John LeMessurier

## SECOND CLASS.

Hains, Ivan Coronel	} equal
Boer, Adolph Oswald	
Russell, Ernest Albert	
Harold	

Muirhead, Leonard Graeme	} equal
Sinclair, William Malcolm	
Pitcher, Cyril Frederick	
Wilton, Alexander Cockburn	

## THIRD CLASS.

Harvey, Gilbert Aberdein	} equal
Stoddart, Harrold William	
Downing	
Dolling, Charles Edward	

Drew, Charles Francis	} equal
Donnelly, Thomas Hugh	
Moffatt, May Josephine	
Thomas, Edward Brooke	

\* Recommended for the Everard Scholarship.

### ORDINARY EXAMINATION FOR THE DEGREE OF BACHELOR OF MUSIC.

## PASS LIST.

(In alphabetical order)

## FIRST YEAR.

## SECOND CLASS.

Dunn, John Millard

Willmore, Elsie Victoria

## SECOND YEAR.

## SECOND CLASS.

Griffiths, George Townsend	
Jeffery, Mary Winifred Magdalene	

McBride, Dorothy Evelyn

## THIRD CLASS.

Cheek, Muriel Elizabeth	
DeRose, Doris May	

Trevelyan, Cecil

#### Final Examination for the Degree of Mus. Bac.

Exercises presented under Regulation IX. of the Mus. Bac. Degree.

Goode, Muriel Gertrude

Wibberley, Brian

### EXAMINATION FOR THE DIPLOMA IN COMMERCE.

## PASS LIST.

(In alphabetical order)

#### Business Practice.

## Division I.

Wauchope, James George

## Division II.

Baker, Westerfield Wallace	Williams, John Carter
Morphett, Archie Harold	Yuill, James Anderson
Ponder, Gilbert Walter Graham	

## Division III.

Bayly, William Lawes	Jones, Frank Longhurst
Bathgate, John Pender	Neild, Arthur Restarick
Bradley, Hubert Charles	Porter, Christopher Charlton
Bungey, Ernest	Waterhouse, Frederick Edward
Cresswell, John	Wheeler, Horace Roseby

**Accountancy.**

(In alphabetical order).

## Division II.

Hodge, Randolph Gordon Clare	Sando, Hubert Hillman
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## Division III.

Brown, Leonard Sawtell	Moyes, Charles Robert
Harris, Russell Hop	Needham, George Francis Jack
Malone, John Stephen	

**Commercial Law**

(In alphabetical order).

## Division I.

Bridgman, William	Featherstone, Leslie William
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## Division II.

Bayly, William Lawes	Neuenkirchen, Herman Adolph
Bungey, Ernest	Heinrich
Calder, William Cormack	Torr, Kenneth Montrose
Goode, Roger Britten	Wauchope, James George
Howie, George Percival	Williams, John Carter
Needham, George Francis Jack	Wyles, Thomas Andrew

## Division III.

Chappel, Herbert Horace	Neild, Arthur Restarick
Cresswell, John	Ponder, Gilbert Walter Graham
French, David George	Porter, Christopher Charlton
Gerny, Stanley Leo	Smith, Leslie Samuel
Harris, Russell Hope	Tassie, Eric Harry
Heath, Louis Alfred	Wastell, Nigel Fletcher
Hogben, Horace Cox	Wyllie, Eric Thomas
Howard, Normanby Holman	Young, Graham Hosie
Hummel, Herbert Whitsey	Yuill, James Anderson
Morris, Herbert Lancelot	

**Economics. I.**

Division III.

(In alphabetical order).

Calder, William Cormack		Solly, Hubert Ambrose
Hendry, Campbell Alexander		Turner, Percy
Neuenkirchen, Hermann Adolph		Wyllie, Eric Thomas
Heinrich		

**Commercial Geography**

None passed.

EXAMINATION FOR THE DIPLOMA OF ASSOCIATE  
IN MUSIC—NOVEMBER, 1911.

—  
PASS LIST.  
—

## FIRST YEAR.

	PRINCIPAL SUBJECT.
Adams, Irene Ruth ...	... Violin
Baulderstone, Clarice Moore ...	... Pianoforte
Day, Florence Muriel ...	... Singing
Exton, Dorothy Caroline ...	... Singing
Hay, Floris Clare ...	... Pianoforte
Morris, Mary Myrtle ...	... Pianoforte
Nyman, Olga Mary ...	... Pianoforte
Whittington, Sylvia Muriel ...	... Violin

## SECOND YEAR.

Basedow, Ivy Marie ...	... Pianoforte
Cilento, Gladys Muriel West ...	... Singing
Coumbe, Hurtle Harold ...	... Organ
Forsaith, May East ...	... Singing
Reimann, Hilda Marie ...	... Violin
Stephens, Florence Edith Lavers ...	... Pianoforte
Tucker, Muriel Lynette ...	... Pianoforte
Whittington, Sylvia Muriel ...	... Violin

THIRD YEAR.

Roberts, Winifred Sophie ...	...	Pianoforte
Whittington, Sylvia Muriel	...	Violin

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## LETTERS PATENT.

*Dated 22nd March, 1881.*

Victoria, by the Grace of God, of the United Kingdom of Great Britain and Ireland Queen, Defender of the Faith, Empress of India : To all to whom these Presents shall come, greeting.

WHEREAS, under and by virtue of the provisions of three Acts of the Legislature of South Australia, respectively known as "The Adelaide University Act," "The Adelaide University Act Amendment Act," and "The University of Adelaide Degrees Act," a University consisting of a Council and Senate has been incorporated and made a body politic with perpetual succession, under the name of "The University of Adelaide," with power to grant the several Degrees of Bachelor of Arts, Master of Arts, Bachelor of Medicine, Doctor of Medicine, Bachelor of Laws, Doctor of Laws, Bachelor of Science, Doctor of Science, Bachelor of Music, and Doctor of Music :

And whereas the Chancellor, Vice-Chancellor, and Council of the said University, by their humble petition under the common seal of the University, have prayed Us to the effect following (that is to say) :

To grant Our Letters Patent, declaring that the aforesaid Degrees already conferred or hereafter to be conferred by the University of Adelaide shall be recognized as academic distinctions and rewards of merit, and be entitled to rank, precedence, and consideration within Our Dominions as fully as if the said degrees had been conferred by any University in Our United Kingdom of Great Britain and Ireland ; and that such recognition may extend to Degrees conferred on Women :

Now know ye that We, having taken the said petition into Our Royal consideration, do, by virtue of Our prerogative and of Our special grace, certain knowledge, and mere motion, by these presents, for Us, Our heirs and successors, will and ordain as follows :

I. The Degrees of Bachelor of Arts, Master of Arts, Bachelor of Medicine, Doctor of Medicine, Bachelor of Laws, Doctor of Laws, Bachelor of Science, Doctor of Science, Bachelor of Music, and Doctor of Music, heretofore granted or conferred and hereafter to be granted or conferred by the said University of Adelaide on any person, male or female, shall be recognized as academic distinctions and rewards of merit, and be entitled to rank, precedence, and consideration in Our United Kingdom and in Our Colonies and Possessions throughout the World, as fully as if the said Degrees had been granted by any University of Our said United Kingdom.

II. No variation of the constitution of the said University which may at any time, or from time to time, be made by any Act of the Legislature of South Australia shall in any manner annul, abrogate, circumscribe, or diminish the privileges conferred on the said University by these Our Letters Patent, nor the rank, rights, privileges, and considerations conferred by such Degrees, so long as the standard of knowledge now established, or a like standard, be preserved as a necessary condition for obtaining the aforesaid Degrees.

III. Any such standard shall be held sufficient for the purposes of these Our Letters Patent if so declared in any proclamation issued by Our Governor of South Australia for the time being.

In witness whereof We have caused these Our Letters to be made Patent. Witness Ourselves at Westminster, the 22nd day of March, in the Forty-fourth year of Our Reign.

By Warrant under the Queen's Sign Manual.

PALMER.

## ACT OF INCORPORATION.

*The Adelaide University Act.*

No. 20 OF 1874.

## Preamble

WHEREAS it is expedient to promote sound learning in the Province of South Australia, and with that intent to establish and incorporate, and endow an University at Adelaide, open to all classes and denominations of Her Majesty's subjects: And whereas Walter Watson Hughes, Esquire, has agreed to contribute the sum of Twenty Thousand Pounds towards the endowment of two chairs or professorships of such University, upon terms and conditions contained in a certain Indenture bearing date the twenty-fourth day of December, one thousand eight hundred and seventy-two, and made between the said Walter Watson Hughes and Alexander Hay, Esquires, representing an Association formed for the purpose of establishing such University, a copy of which said Indenture is set forth in the Schedule hereto; be it therefore enacted by the Governor of the Province of South Australia, with the advice and consent of the Legislative Council and House of Assembly of the said Province, in this present Parliament assembled, as follows:

University to consist of Council and Senate.

1. An University, consisting of a Council and Senate, shall be established at Adelaide, and when duly constituted and appointed according to the provisions of this Act, shall be a body politic and corporate by the name of "The University of Adelaide," and by such name shall have perpetual succession, and shall adopt and have a common seal, and shall by the same name sue and be sued, plead and be impleaded, answer and be answered unto in all Courts in the said province, and shall be capable in law to take, purchase, and hold all goods, chattels, and personal property whatsoever, and shall also be able and capable in law to receive, take, purchase, and hold for ever, not only such lands, buildings, and hereditaments, and possessions, as may from time to time be exclusively used and occupied for the immediate requirements of the said University, but also any other lands, buildings, hereditaments, and possessions whatsoever, situated in the said Province, or elsewhere, and shall be able and capable in law to grant, demise alien, or otherwise dispose of all or any of the property, real or personal, belonging to the University, and also to do all other matters and things incidental or

appertaining to a body politic and corporate: Provided always, that until the Senate of the said University shall have been constituted as herein enacted, the said University shall consist of a Council only: Provided further, that it shall not be lawful for the said University to alien, mortgage, charge, or demise any lands, tenements, or hereditaments, of which it shall have become seised, or to which it may become entitled by grant, purchase, or otherwise, unless with the approval of the Governor of the said Province for the time being, except by way of lease for any term not exceeding twenty-one years from the time when such lease shall be made, in and by which there shall be reserved during the whole of the term the highest rent that can be reasonably obtained for the same, without fine.

First Council by whom appointed. Election of Chancellor and Vice-Chancellor.

2. The first Council of the said University shall be nominated and appointed by the Governor within three months after the passing of this Act, and shall consist of twenty councillors, and the said Council shall elect a Chancellor and a Vice-Chancellor; and whenever a vacancy shall occur in the office of Chancellor or Vice-Chancellor, either by death, resignation, expiration of tenure, or otherwise, the said Council shall elect a Chancellor or Vice-Chancellor, as the case may be, instead of the Chancellor or Vice-Chancellor occasioning such vacancy, the Vice-Chancellor in all cases shall be elected by the said Council out of their own body, and the Chancellor, if not a member of the said Council at the time of his election, shall, from and after his election, become a member of the said Council during the term of his office, and in any such case, and for such period, the Council shall consist of twenty-one councillors. Each Chancellor and Vice-Chancellor shall hold his office for five years, or, except in the case of the first Chancellor and Vice-Chancellor, for such other term as shall be fixed by the statutes and regulations of the University made previously to the election: Provided that there shall never be more than four ministers of religion members of the said Council at the same time.

Vacancies in the Council, how created and filled. §

3. At the expiration of the third year, and thereafter at the expiration of each year, the five members of the Council who shall have been longest in office shall retire, but shall be eligible for re-election, and if more members shall have been in office for the same period, the order of their retirement shall be decided by ballot, and all vacancies which shall occur in the said Council by retirement, death, resignation, or otherwise, shall be filled as they may occur, by the election of such persons as the Senate shall at meetings to be duly convened for that purpose elect; or, if the Senate shall not have been constituted, such vacancies shall be forthwith reported by the Chancellor to the Governor, who shall within

three months after such report nominate persons to fill such vacancies, or if the Senate shall fail to elect within six months, then the Governor shall nominate persons to fill such vacancies.

Senate how constituted.

4. As soon as the said Council shall have reported to the Governor that the number of graduates admitted by the said University to any of the Degrees of Master of Arts, Doctor of Medicine, Doctor of Laws, Doctor of Science, or Doctor of Music, and of graduates of three years' standing, is not less than fifty, and such report shall have been published in the *Government Gazette*, the Senate shall be then constituted, and shall consist of such graduates, and of all persons thereafter admitted to such degrees, or who may become graduates of three years' standing; and a graduate of another University admitted to a degree in The University of Adelaide shall reckon his standing from the date of his graduation in such other University, and the Senate shall elect a Warden out of their own body annually, or whenever a vacancy shall occur.

Questions how decided, quorum.

5. All questions which shall come before the said Council or Senate respectively shall be decided by the majority of the members present, and the chairman at any such meeting shall have a vote, and in case of an equality of votes, a casting vote, and no question shall be decided at any meeting of the said Council unless six members thereof be present, or at any meeting of the said Senate unless twenty members thereof be present.

Chairmanship of Council and Senate.

6. At every meeting of the Council the Chancellor, or in his absence the Vice-Chancellor, shall preside as chairman, and at every meeting of the Senate the Warden shall preside as chairman, and in the absence of the Chancellor and Vice-Chancellor, the members of the Council present, and in the absence of the Warden the members of the Senate present shall elect a chairman.

Council to have entire management of the University.

7. The said Council shall have full power to appoint and dismiss all professors, lecturers, examiners, officers, and servants of the said University, and shall have the entire management and superintendence over the affairs, concerns, and property thereof, subject to the statutes and regulations of the said University.

Council to make statutes and regulations with approval of the Senate.

8. The said Council shall have full power to make and alter any statutes and regulations (so as the same be not repugnant to any existing law or to the provisions of this Act) touching any election or

the discipline of the said University, the number, stipend, and manner of appointment and dismissal of the professors, lecturers, examiners, officers, and servants thereof, the matriculation of students, the examination for fellowships, scholarships, prizes, exhibitions, degrees or honours, and the granting of the same respectively, the fees to be charged for matriculation, or for any such examination or degree, the lectures or classes of the professors and lecturers, and the fees to be charged, the manner and time of convening the meetings of the said Council and Senate and in general touching all other matters whatsoever regarding the said University: Provided always that so soon as the Senate of the said University shall have been constituted, no new statute or regulation or alteration or repeal of any existing statute, shall be of any force until approved by the said Senate.

Colleges may be affiliated, and boarding-houses licensed.

9. It shall be lawful for the said University to make any statutes for the affiliation to or connection with the same of any college or educational establishment to which the governing body of such college or establishment may consent, and for the licensing and supervision of boarding-houses intended for the reception of students, and the revocation of such licences: Provided always that no such statutes shall affect the religious observances or regulations enforced in such colleges, educational establishments, or boarding-houses.

Statutes and Regulations to be allowed by Governor.

10. All such statutes and regulations as aforesaid shall be reduced to writing, and the common seal of the said University having been affixed thereto, shall be submitted to the Governor to be allowed and countersigned by him, and if so allowed and countersigned, shall be binding upon all persons members of the said University, and upon all candidates for degrees to be conferred by the same.

Limitation of the powers of Council as regards the chairs founded by W. W. Hughes.

11. The powers herein given to the Council shall, so far as the same may affect the two chairs or professorships founded by the said Walter Watson Hughes, and the two professors appointed by him, and so far as regards the appropriation and investment of the funds contributed by him, be subject to the terms and conditions of the before-mentioned indenture.

University to confer degrees.

12. The said University shall have power to confer, after examination, the several Degrees of Bachelor of Arts, Master of Arts, Bachelor of Medicine, Doctor of Medicine, Bachelor of Laws, Doctor of Laws Bachelor of Science and Doctor of Science, Bachelor of Music and Doctor of Music, according to the statutes and regulations of the said

University: Provided always that it shall be lawful for the said University to make such statutes as they may deem fit for the admission, without examination, to any such degree, of persons who may have graduated at any other University.

Students to be in residence during term.

13. Every undergraduate shall, during such term of residence as the said University may by statute appoint, dwell with his parent or guardian, or with some near relative or friend selected by his parent or guardian, and approved by the Chancellor or Vice-Chancellor, or in some collegiate or educational establishment affiliated to or in connection with the University, or in a boarding-house licensed as aforesaid.

No religious test to be administered.

14. No religious test shall be administered to any person in order to entitle him to be admitted as a student of the said University, or to hold office therein, or to graduate thereat, or to hold any advantage or privilege thereof.

Endowment by annual grant.

15. It shall be lawful for the Governor by warrant under his hand addressed to the Public Treasurer of the Province, to direct to be issued and paid out of the General Revenue an annual grant, equal to Five Pounds per centum per annum on the said sum of Twenty Thousand Pounds contributed by the said Walter Watson Hughes, and on such other moneys as may from time to time be given to and invested by the said body corporate upon trusts for the purposes of such University, and on the value of property real or personal, securely vested in the said body corporate, or in trustees, for the purposes of the said University, except the real property mentioned in clause 16 of this Act; and such annual grant shall be applied as a fund for maintaining the said University, and for defraying the several stipends which may be appointed to be paid to the several professors, lecturers, examiners, officers, and servants to be appointed by such University, and for defraying the expense of such fellowships, scholarships, prizes, and exhibitions, as shall be awarded for the encouragement of students in such University, and for providing a library for the same, and for discharging all necessary charges connected with the management thereof: Provided that no such grant shall exceed Ten Thousand Pounds in any one year.

Endowment in Land.

16. The Governor, in the name and on behalf of Her Majesty, may alienate, grant, and convey in fee-simple to such University or may reserve and dedicate portions of the waste lands of the said Province, not exceeding fifty thousand acres, for the purpose of the University and the further endowment thereof; and the Governor may in like

manner, and on behalf of Her Majesty, alienate, grant, and convey in fee-simple to such University, or may reserve and dedicate a piece of land in Adelaide, east of the Gun Shed and facing North Terrace, not exceeding five acres, to be used as a site\* for the University buildings and for the purposes of such University: Provided that the lands so granted shall be held upon trust for the purposes of such University, such trusts to be approved by the Governor.

University of Adelaide included in Ordinance No. 17 of 1844.

17. The University of Adelaide shall be deemed to be an University within the meaning of section 1† of Ordinance No. 17 of 1844, entitled "An Ordinance to define the qualifications of Medical Practitioners in this Province for certain purposes."

Council or Senate to report annually to the Governor.

18. The said Council or Senate shall, during the month of January in every year, report the proceedings of the University during the previous year to the Governor, and such report shall contain a full account of the income and expenditure of the said University, audited in such manner as the Governor may direct, and a copy of every such report, and of all the statutes and regulations of the University, allowed as aforesaid by the Governor, shall be laid in each year before the Parliament.

Governor to be Visitor.

19. The Governor for the time being shall be the Visitor of the said University, and shall have authority to do all things which appertain to Visitors as often as to him shall seem meet.

Short Title.

20. This Act may be cited as "The Adelaide University Act."

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#### SCHEDULE REFERRED TO.

This Indenture, made the twenty-fourth day of December, one thousand eight hundred and seventy-two, between Walter Watson Hughes, of Torrens Park, near Adelaide, in the Province of South Australia, Esquire, of the one part, and Alexander Hay, of Adelaide, aforesaid, Esquire, Treasurer of the Executive Council of the University Association, of the other part: Whereas the said Walter Watson Hughes is desirous that a University should be established in the said Province, to be called "The Adelaide University," and has agreed to assist in the foundation of such University, by contributing the sum of Twenty

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\*An exchange of part of the site granted under this section has been effected under Act No. 45 of 1876.

† This section has been repealed by Act No. 193 of 1880, which recognizes (amongst others) the following qualifications:—"Doctor or Bachelor of Medicine or Master in Surgery of any chartered University in Her Majesty's Dominions authorised to grant Degrees in Medicine and Surgery."

Thousand Pounds in endowing by the income thereof two chairs or professorships in the said University, one for Classical and Comparative Philology and Literature, and the other for English Language and Literature and Mental and Moral Philosophy: And whereas the said Walter Watson Hughes, his executors or administrators is or are entitled to nominate and appoint the two first Professors to such chairs: And whereas an Association has been formed, and has undertaken to endeavour to found and establish such University, and has appointed an Executive Council: And whereas the said Alexander Hay has been appointed Treasurer of the said Executive Council: Now this indenture witnesseth, that in consideration of the premises, the said Walter Watson Hughes doth hereby for himself, his heirs, executors, and administrators covenant with the said Alexander Hay, his executors and administrators, that he, the said Walter Watson Hughes, his executors, or administrators, shall and will, on or before the expiration of ten years from the date hereof pay to the said Alexander Hay, as such Treasurer, or to the said Executive Council, or if the said University is incorporated within such period, then to such Corporation the sum of Twenty Thousand Pounds Sterling: And will in the meantime, pay interest thereon, or on such portion thereof as may remain unpaid at the rate of Six Pounds per centum per annum, from the first day of May, one thousand eight hundred and seventy-three, such interest to be paid by equal quarterly payments: And it is agreed and declared that the interest and annual income of the said sum of Twenty Thousand Pounds shall be applied in two equal sums in endowing the said two chairs with salaries for the two Professors, or occupiers of such chairs: And it is hereby also declared and agreed that the said Walter Watson Hughes has appointed the Reverend Henry Read, M.A., Incumbent of the Church of England in the District of Mitcham, to occupy, and that the said Henry Read shall occupy the first of such chairs as Professor of Classics and Comparative Philology and Literature: And that the said Walter Watson Hughes has appointed the Reverend John Davidson, of Chalmers Church, Adelaide, to occupy, and that the said John Davidson shall occupy the first of the other of such chairs as Professor of English Language and Literature, and Mental and Moral Philosophy: And it is hereby agreed and declared that the annual income and interest of the said sum of Twenty Thousand Pounds, shall be applied for the purposes aforesaid in equal sums quarterly, and for no other purpose whatever: And it is also declared and agreed that the said sum of Twenty Thousand Pounds shall be held by the Treasurer of the said University, or by the Corporation thereof, when the said University shall become incorporated, for the purpose of paying and applying the annual interest and income thereof equally endowing two chairs or professorships in the said University, one of such chairs or professorships being Classics and Comparative Philology and Literature, and the other of such chairs or professorships being English Language and Literature, and Mental and Moral Philosophy: And it is also declared and agreed that the said sum of Twenty Thousand Pounds shall when the same is received by the Treasurer of the said University, or by the University when incorporated, be invested upon South Australian Government Bonds, Debentures or Securities, and the interest and annual income arising from such investments paid and applied quarterly in endowing the said two chairs or professorships in the said University as aforesaid: In witness whereof the said parties to these presents have hereunto set their hands and seals the day and year first above written.

Signed, sealed, and delivered by the said Walter  
 Watson Hughes, in the presence of Richard } W. W. HUGHES. (L.S.)  
 B. Andrews, Solicitor, Adelaide.

\* By a deed executed in 1881 the donor consented to the investment of the moneys in the purchase of freehold lands and buildings, and on first mortgages of freehold lands and buildings in South Australia.

TRUST CLAUSE OF DEED WHEREBY THE HONOURABLE  
THOMAS ELDER GRANTED £20,000 TO THE UNIVERSITY.

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By an Indenture, which bears date the 6th day of November, 1874, the Honourable Thomas Elder covenanted to pay Twenty Thousand Pounds, and the trust clause in that deed provides :—“And it is agreed and declared that the interest and annual income of the said sum of Twenty Thousand Pounds shall be applied as a fund for maintaining the said University, and for defraying the several stipends which may be appointed to be paid to the several Professors, Lecturers, Examiners, officers, and servants to be appointed by such University, and for defraying the expense of such fellowships, scholarships, prizes, and exhibitions as shall be awarded for the encouragement of students in such University, and for providing a Library for the same ; and for discharging all necessary charges connected with the management thereof, and for no other use or purpose whatsoever. And it is also declared and agreed that the said sum of Twenty Thousand Pounds shall, when the same is received by the Treasurer of the said University, or by the University when incorporated, be invested \* upon South Australian Government Bonds, Debentures, or Securities, and the interest and annual income arising from such investments shall be paid and applied to and for the benefit and advantage of the said University in the manner and for the intents and purposes hereinbefore mentioned and described, and to or for no other purpose whatsoever.”

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\* By a deed executed in 1880, the University is empowered to invest the moneys in the purchase of freehold lands and buildings and on first mortgages of freehold lands and buildings in South Australia.

## AN ACT TO AMEND THE ADELAIDE UNIVERSITY ACT

*No. 20 of 1874. No. 143 of 1879.*

## Preamble.

Whereas in order to enable the University of Adelaide to obtain a grant of Royal Letters Patent, and for other reasons, it is expedient to amend "The Adelaide University Act"—Be it therefore enacted by the Governor of the Province of South Australia, with the advice and consent of the Legislative Council and House of Assembly of the said Province, in this present Parliament assembled, as follows :

## University has been duly constituted.

1. The University of Adelaide has been duly constituted and appointed according to the provisions of "The Adelaide University Act."

## Power to repeal Statutes and Regulations.

2. Subject to the proviso contained in the eighth section of the said Act, the Council of the said University may by Statute or Regulation repeal Statutes and Regulations made by the University ; and that section shall be read and construed as if the words "or Regulation" had been inserted in it next after "Statute" where that word occurs lastly therein.

## Repeal of power to confer certain Degrees.

3. The words "Bachelor of Science and Doctor of Science," which occur in the twelfth section of the said Act, are hereby repealed ; and that section shall be read and construed as if those words had not occurred therein.

## Short Title.

4. This Act may be cited as "The Adelaide University Act Amendment Act."

AN ACT TO REPEAL PART OF THE ADELAIDE UNIVERSITY ACT AMENDMENT ACT *No. 143 of 1879. No. 172 of 1880.*

## Preamble.

Whereas in order to enable the University of Adelaide to obtain a grant of Royal Letters Patent, and for other reasons, it is expedient to repeal part of "The Adelaide University Act Amendment Act," and to revive part of "The Adelaide University Act," and to amend it—Be it therefore enacted by the Governor of the Province of South Australia, by and with the advice and consent of the Legislative Council and House of Assembly of the said Province, in this present Parliament assembled, as follows :

**Repeal and Revival.**

1. The third section of "The Adelaide University Act Amendment Act" is hereby repealed, and so much of "The Adelaide University Act" as was repealed by that section is hereby revived.

**Admission of Women to Degrees.**

2. Women, who shall have fulfilled all the conditions prescribed by "The Adelaide University Act," and by the Statutes and Regulations of The University of Adelaide for any Degree, may be admitted to that Degree at a meeting of the Council and Senate of the said University.

**Words importing masculine gender include feminine**

3. In "The Adelaide University Act," words importing the masculine gender shall be construed to include the feminine.

**Title**

4. This Act may be cited as "The University of Adelaide Degrees Act."

AN ACT TO ENABLE THE UNIVERSITY OF ADELAIDE TO  
CONFER DEGREES IN SURGERY.

No. 441 of 1888.

Preamble.

Whereas a School of Medicine has recently been established in the University of Adelaide, and it is expedient to enable the said University to confer the degrees of Bachelor of Surgery and Master of Surgery—Be it therefore enacted by the Governor of the Province of South Australia, with the advice and consent of the Legislative Council and House of Assembly of the said Province, in this present Parliament assembled, as follows :

University may confer degrees of Bachelor or Master of Surgery.

1. The University of Adelaide shall have power to confer, after examination, the degrees of Bachelor of Surgery and Master of Surgery, according to the statutes and regulations of the said University: Provided always that it shall be lawful for the said University to make such statutes as they may deem fit for the admission, without examination, to any such degree of Bachelor or Master of Surgery of persons who may have obtained a corresponding degree at any other University.

Masters of Surgery to be members of Senate.

2. Persons who shall be admitted by the University of Adelaide to the degree of Master of Surgery shall, on admission thereto, become members of the Senate of the said University.

Title of Act.

3. This act may be cited as "The Degrees in Surgery Act."

Incorporation.

4. "The Adelaide University Act," "The Adelaide University Act Amendment Act," and "The University of Adelaide Degrees Act," so far as their respective provisions are applicable to and not inconsistent with the provisions of this Act, are incorporated, and shall respectively be read with this Act.

AN ACT TO FURTHER AMEND "THE ADELAIDE  
UNIVERSITY ACT."*No. 1058 of 1911.*

BE it Enacted by the Governor of the State of South Australia, with the advice and consent of the Parliament thereof, as follows :

## Short Titles.

1. (1) This Act may be cited alone as "The Adelaide University Act Amendment Act, 1911."
- (2) "The Adelaide University Act" (hereinafter called "the principal Act")
  - "The University Site Act, 1876,"
  - "The Adelaide University Act Amendment Act."
  - "The University of Adelaide Degrees Act,"
  - "The Degrees in Surgery Act," and
  - this Act,

may be cited together as "The Adelaide University Acts, 1874 to 1911."

## Incorporation with other Acts.

2. This Act is incorporated with the other Acts mentioned in section 1 hereof, and those Acts and this Act shall be read as one Act.

Five additional members of the Council to be appointed by Parliament.

3. In addition to the members of the Council of the University elected as provided by the principal Act, there shall be five members of the said Council who shall be appointed from time to time by the Parliament of the said State ; and from the time of the appointment of the first five members under this Act, the membership of the said Council shall be increased accordingly.

How the additional members to be appointed.

4. (1) Of the said five additional members two shall be appointed by the Legislative Council, and three by the House of Assembly.

(2) The said members shall be appointed by ballot.

(3) No person shall be eligible for appointment under this Act unless he is a member of the House of Parliament by which he is appointed.

Time of appointment and tenure of office.

5. (1) As soon as practicable after the passing of this Act the first five members shall be appointed under this Act, and at the beginning of each Parliament after the present Parliament five members shall be appointed in manner aforesaid.

(2) Upon the notification, in manner mentioned in section 8 of this Act, of any such appointment by either House of Parliament, the members appointed by such House and then in office shall retire: Provided that any member appointed under this Act shall be eligible for reappointment from time to time.

Vacancy to occur if councillor ceases to be member of Parliament.

6. In case any member appointed under this Act ceases to be a member of the House of Parliament which appointed him, otherwise than by the expiration or dissolution of Parliament, he shall thereupon cease to be a member of the Council of the University.

How vacancies filled.

7. When a vacancy in the office of a member appointed under this Act occurs through death, resignation, or otherwise, a member to fill the vacancy shall be appointed by the House of Parliament which appointed the member whose office has become vacant; and the member so appointed shall hold office for the remainder of the term of office of the person in whose place he is appointed.

President's or Speaker's notice of appointment to be conclusive evidence.

8. A notice in writing addressed to the Chancellor of the University, and signed by the President or Deputy President of the Legislative Council, or by the Speaker or Deputy Speaker of the House of Assembly, as the case may be, certifying that the person or persons therein named has or have been appointed a member or members under this Act, shall be conclusive evidence of the matters therein stated and of the validity of the appointment.

University may confer degrees of Bachelor and Master of Engineering.

9. (1) The University shall have power to confer, after examination, the degrees of Bachelor of Engineering and Master of Engineering, according to the statutes and regulations of the University: Provided that it shall be lawful for the University to make such statutes as they deem fit for the admission, without examination, to the said degrees of persons who have graduated at other Universities, and to admit such persons according to the statutes so made.

Masters to be members of Senate on admission.

(2) Persons admitted by the University to the degree of Master of Engineering shall, on admission thereto, become members of the Senate of the University.

Annual Grant increased by £4,000.

10. In addition to any grants under section 15 of the principal Act, in every year a grant of Four Thousand Pounds shall be paid out of the General Revenue to the University, to be applied for the purposes mentioned in the said section.

## S.A. INSTITUTE ACT AMENDMENT ACT OF 1879.

No. 151 of 1879.

## Preamble.

Whereas it is expedient that the University of Adelaide should be represented on the Board of the South Australian Institute, and that the said University should for that purpose be empowered to elect two members of that Board—Be it therefore enacted by the Governor of the Province of South Australia, by and with the advice and consent of the Legislative Council and House of Assembly of the said Province, in this present Parliament assembled, as follows :

South Australian Institute Board increased to nine

\*1. From and after the passing of this Act the Board of Governors of the South Australian Institute shall, notwithstanding anything contained in the South Australian Institute Act, 1863, consist of nine members, of whom two shall be members of, and shall be elected by, the said University.

Council to convene meeting to elect.    Tenure of persons elected.    Filling occasional vacancies.

2. So soon as conveniently may be after the passing of this Act, and thereafter in each succeeding month of October, the Council of the said University shall convene in the prescribed manner a meeting in Adelaide of the said University to elect two members of the said Board, and the members elected at any such meeting shall (except in the event hereinafter provided for) hold office until the election in the next succeeding month of October. Whenever the office held by any member so elected shall during the year or other period for which he was elected become vacant, the said Council shall in the prescribed manner convene a meeting of the University to elect in his room another member, who shall hold office only until the next annual election.

Power to make Statutes and Regulations to carry out the Act.

3. The said University is hereby empowered to make all such Statutes and Regulations as shall be deemed necessary or proper for prescribing the time and mode of nominating candidates for the said offices, of convening each such meeting, and of transacting the business and conducting the election thereat ; for prescribing the place in Adelaide at which such meetings shall be held, the members of the University who shall preside thereat, and the number of members of the University who must be present in order to constitute a valid meeting, and other Statutes and Regulations dealing with all other matters of every kind which, in the opinion of the said University, ought to be made for the purpose of carrying out this Act in the most efficient manner.

\* This Section has been repealed by the Public Library, Museum, and Art Gallery Act of 1883-4, Section 51.

If meeting not constituted in fifteen minutes after appointed hour, Council to elect for that occasion.

4. Notwithstanding any other provision herein contained, whenever the prescribed number of members of the University is not present within fifteen minutes after the time appointed for holding any such meeting, the Council shall, as soon as conveniently may be thereafter, elect in such manner as they shall think proper a member or (as the case shall require) two members of the said University to be members of the said Board.

Governors elected under this Act to have same rights, &c., as the others.

\*5. Members of the said Board of Governors elected under this Act shall during their tenure of office enjoy equal rights and powers with the other members of the said Board.

Title.

6. This Act may be cited for all purposes as the "South Australian Institute Act Amendment Act, 1879."

\*This Section has been repealed by the Public Library, Museum, and Art Gallery Act 1883-4, Sect 51.

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PUBLIC LIBRARY, MUSEUM, AND ART GALLERY ACT,  
1883-4. No. 296 of 1883.

## Constitution of Board.

Under Section 7 of this Act it is enacted that:—

The Board of Governors of the Public Library, Museum, and Art Gallery of South Australia shall consist of sixteen members of whom

1. The Governor shall appoint eight members.
2. The South Australian Society of Arts shall elect one member, who shall be a member of the said Society.
3. The University of Adelaide shall elect two members, who shall be members of the said University.
4. The Royal Society of South Australia shall elect one member, who shall be a member of the said Society.
5. The Adelaide Circulating Library, as hereinafter established, shall elect one member, who shall be a member of the said Library.
6. The Institutes shall elect three members.

This Section further enacts that:—

The elections of members of the Board by the several bodies of persons or societies mentioned in this Section shall take place and be conducted in the manner prescribed by the rules and regulations contained in the first schedule hereto, or such other rules and regulations as may from time to time be made in addition to, or in substitution for, or in amendment of, those rules and regulations; and the expressions "Board" and "Board of Governors" used in the South Australian Institute Act Amendment Act 1879, and in any statutes or regulations made thereunder, shall refer to the Board constituted by this Act. Upon the appointment and election of members of the Board, and thereafter in the month of November in each year, the Government shall cause to be published in the *Government Gazette* a list of the members of the Board, which *Gazette* shall be *prima facie* evidence that the persons named therein are the members of the Board as therein specified

## Election of members of the Board.

Section 9 enacts that:—

The first appointment by the Governor of members of the Board, and the first elections of members of the Board by the several bodies of persons or societies mentioned in Section 7 of this Act, shall be made and take place respectively within one calendar month from the coming

into operation of this Act; and thereafter, in the month of October in every year, the Governor and the several bodies of persons or societies mentioned in Section 7 of this Act shall appoint and elect members of the Board; and every appointed or elected member of the Board shall hold office until the election or appointment of his successor, and shall then retire, but shall be eligible for re-election.

All members to be on same footing.

Section 10.—All the members of the Board, whether appointed or elected, shall have and exercise the same rights, privileges, and powers, and be under and subject to the same liabilities.

Casual vacancy, how filled.

Section 11.—The Governor may appoint a member of the Board upon any casual vacancy occurring through the death, resignation or removal of any member of the Board appointed by him, and any casual vacancy caused by the death or resignation of any member of the Board elected by any of the several bodies of persons or societies mentioned in Section 7 of this Act may be filled by the election of a person by the body of persons or society who shall have elected the member so dying or resigning. Any member of the Board elected under this Section shall hold office for the same period as the member so dying or resigning would have held office had no such vacancy occurred. Every appointment or election under this Section shall be notified by the Governor in the *Government Gazette*, and such *Gazette* shall be *prima facie* evidence of the appointment or election so notified.

On failure to elect, the Governor may appoint.

Section 12.—If the University of Adelaide, the Royal Society of South Australia, the Adelaide Circulating Library, or the Institutes, or any of them, shall fail or neglect to exercise their right of election given by this Act, the Governor may appoint a member or members of the Board, who shall hold office for the same period and in all respects as if he or they had been elected by the body of persons or society so making default. The provision of this section shall also apply to any casual vacancy caused by the death or resignation of any elected member of the Board.

Repeal.

Section 51 repeals Sections 1 and 5 of the Act No. 151 of 1879 intituled "The South Australian Institute Act Amendment Act."

The following is the portion of the First *Schedule* (referred to in Clause 7) which regulates the election of members of the Board by the University of Adelaide:—

Rules and regulations for the election of members of the Board.

ELECTION BY THE UNIVERSITY OF ADELAIDE.

1. The members of the Board to be elected by the University of Adelaide shall be elected in manner prescribed by the "South Australian Institute Act Amendment Act, 1879," and the statutes and regulations made or to be hereafter made thereunder for the election by the University of Adelaide of members of the Board of Governors of the South Australian Institute; and the expressions "Board" and "Board of Governors" used in that Act and in the statutes and regulations made thereunder shall refer to the Board of Governors of the Public Library, Museum, and Art Gallery of South Australia. The result of every such election shall be certified to the Governor, under the hand of the Chancellor or Vice-Chancellor of the University, whose certificate shall be conclusive as to the validity of such election.

For Statutes see Chapter XXIII, page 79.

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HOSPITAL ACT AMENDMENT ACT, 1884, AMENDING THE  
HOSPITALS ACT, 1867.

*No. 306 of 1884*

University to elect one member and Commissioners of Hospital another.

Section IX. of this Act enacts that, "At any time in the months of January or February in every year the Council of the University of Adelaide may elect one member of the Board of Management of the Adelaide Hospital, and the Commissioners of the Adelaide Hospital may elect another member of the said Board."

Elections to be notified to Chief Secretary, and Governor to appoint sixteen in all, including persons elected.

Section X., "On or before the twenty-eighth day of February in every year the electing parties shall notify to the Chief Secretary the names of the persons elected by them, respectively, as members of the Board of Management of the Adelaide Hospital, and on or before the thirty-first day of March following, the Governor shall appoint the persons so elected to be members of the said board, and shall also appoint as many other persons as shall, together with the members so elected, be enough to make up the whole number of members to sixteen, whereof not more than eight are to be medical practitioners.

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STANDING ORDERS OF THE SENATE OF THE  
UNIVERSITY OF ADELAIDE.

## I. THE OFFICERS OF THE SENATE.

1. A member of the Senate shall be elected annually as Warden.

2. The Warden shall preside at all meetings at which he is present.

3. The Warden shall take the chair as soon after the hour of meeting as twenty members are present.

4. If the office of Warden be vacant, or if the Warden shall be absent, or shall desire to take part in a debate, the Senate shall elect a Chairman, who, while in the Chair, shall have all the powers of the Warden; but if the Warden shall arrive after the Chair is taken, or shall cease to take part in a debate, the Chairman shall vacate the Chair.

5. A Clerk of the Senate shall be elected annually, and shall perform such duties as may be directed by the Warden.

6. The Clerk shall receive all notices of motion or of questions, and also all nominations of candidates for the office of Warden, Clerk, or Member of the Council.

7. The Clerk shall prepare, under the direction of the Warden a Notice-paper of the business of every meeting, and issue it with the circular calling the meeting.

8. The Clerk shall, under the direction of the Warden, record in a book the Minutes of the Votes and Proceedings of the Senate.

9. Whenever an extraordinary vacancy shall occur in the office of Clerk, or when he shall be unable to act, the Warden may appoint some suitable person to act until a Clerk shall have been appointed.

10. Whenever an extraordinary vacancy shall occur in the office of Warden, or when the Warden shall from any cause be unable to act, the Clerk shall perform the duties of Warden until the next meeting of the Senate.

## II. MEETINGS OF THE SENATE.

11. The Senate shall meet at the University on the fourth Wednesday in the months of March, July, and November respectively; but if the Warden is of opinion that there is not sufficient business to bring before the Senate, he may direct notice to be issued that the meeting shall for that time lapse.

12. The Warden may at any time convene a meeting of the Senate.

13. Upon a requisition signed by twenty members of the Senate, setting forth the objects for which they desire the meeting to be convened, the Warden shall convene a special meeting to be held within not less than seven nor more than fourteen days from the date of the receipt by him of such requisition.

14. If after the expiration of a quarter of an hour from the time appointed for the meeting there shall not be twenty members present the meeting shall lapse.

15. If it shall appear on notice being taken, or on the report of a division by the tellers, that twenty members are not present, the Warden shall declare the meeting at an end or adjourned to such time as he shall direct, and such division shall not be entered on the Minutes.

16. The Senate may adjourn any meeting or debate to a future day.

### III. NOTICES.

17. Notice of every meeting shall be given by circular posted six clear days before such meeting to the last-known address of every member resident in the colony, and to such other members of the Senate as may request notices to be forwarded to them.

18. All notices of motion or of questions and all nominations must reach the Clerk at the University, before 1 p.m. on the eleventh day before the day of meeting.

### IV. CONDUCT OF BUSINESS.

#### A. AGENDA.

19. The business at any meeting shall be transacted in the following order, and not otherwise, except by direction of the Senate :

- a. Reading, amendment, and confirmation of Minutes.  
Business arising out of the Minutes.
- b. Election of Warden and Clerk.
- c. Election of Members of the Council.
- d. Questions.
- e. Business from the Council.
- f. Motions on the Notice-paper.
- g. Other business.

20. Except by permission of two thirds of the members present, no member shall make any motion initiating for discussion a subject which has not been duly inserted on the Notice-paper for that meeting.

21. Except subject to the preceding Order, no business shall be entered on at an adjourned meeting which was not on the Notice Paper for the meeting of which it is an adjournment.

#### B. RULES OF DEBATE.

22. Whenever the Warden rises during a debate any member then speaking or offering to speak shall sit down and the Warden shall be heard without interruption.

23. If the Warden desires to take part in a debate, he shall vacate the chair for the time.

24. Every member desiring to speak shall rise in his place and address himself to the Warden.

25. When two or more members rise to speak the Warden shall call upon the member who first rose in his place.

26. A motion may be made that any member who has risen "be now heard," and such motion shall be proposed, seconded, and put without discussion or debate.

27. Any member may rise at any time to speak "to order."

28. A member may speak upon any question before the Senate or upon any amendment proposed thereto, or upon a motion or amendment to be proposed by himself, or upon a point of order, but not upon the motion that the question be now put, or that a member be now heard.

29. By the indulgence of the Senate a member may explain matters of a personal nature, although there be no question before the Senate, but such matters may not be debated.

30. No member may speak twice to a question before the Senate except in explanation or reply; but a member who has merely formally seconded a motion or amendment shall not be deemed to have spoken.

31. A member who has spoken to a question may again be heard to explain himself in regard to some material part of his speech, but shall not introduce any new matter.

32. A reply shall be allowed to a member who has made a substantive motion, but not to any member who has moved an amendment.

33. No member may speak to any question after it has been put by the Warden and the show of hands has been taken thereon.

34. No member shall reflect upon any vote of the Senate except for the purpose of moving that such vote be rescinded.

35. In the absence of a member who has given notice of a motion any member present may move such motion.

36. A motion may be amended by the mover with leave of the Senate.

37. Any member proposing an amendment may be required to deliver it in writing to the Warden.

38. Any motion or amendment not seconded shall not be further discussed, and no entry thereof shall be made on the Minutes.

39. A member who has made a motion or amendment may withdraw the same by leave of the Senate, granted without any negative voice.

40. No motion or amendment shall be proposed which is the same in substance as any question which during the same evening has been resolved in the affirmative or the negative.

41. The Senate may order a complicated question to be divided.

42. When amendments have been made the main question as amended shall be put.

43. When amendments have been proposed but not made, the question shall be put as originally proposed.

44. A question may be suspended—

(a) By a motion, "That the Senate proceed to the next business."

(b) By the motion "That the Senate do now adjourn."

45. A debate may be closed by the motion "That the question be now put," being proposed, seconded, and carried, and the question shall be put forthwith without further amendment or debate.

#### C. DIVISIONS.

46. So soon as a debate upon a question shall be concluded, the Warden shall put the question to the Senate.

47. A question being put shall be decided in the first instance by a show of hands.

48. The Warden shall state whether in his opinion the "Ayes" or the "Noes" have it, but any member may call for a division.

49. When a division is called the Warden shall again put the question, and shall direct the "Ayes" to the right and the "Noes" to the left, and shall appoint a teller for each party.

50. The vote of the Warden shall be taken before the other votes, without his being required to leave the chair.

51. Every member present when a division is taken must vote except as hereinafter provided.

52. No member shall be entitled to vote in any division unless he be present when the question is put.

53. No member shall be entitled to vote upon any question in which he has a direct pecuniary interest, and the vote of any member so interested shall be disallowed if the Warden's attention be called to it at the time.

54. In case of an equality of votes the Warden shall give a casting vote, and any reasons stated by him shall be entered in the Minutes.

55. An entry of the lists of divisions shall be made by the Clerk in the Minutes.

56. In case of confusion or error concerning the numbers reported, unless the same can be otherwise corrected, the Senate shall proceed to another division.

57. While the Senate is dividing, members can speak only to a point of order.

#### D. ELECTIONS.

58. The annual election of Warden and of Clerk shall take place at the ordinary meeting in November.

58A.\* Whenever an extraordinary vacancy shall occur in the office of Warden, the Senate, at its next meeting and without previous nomination being required, shall elect one of its members as Warden, and the member so elected shall hold office till the next November meeting.

59. Members of the Council shall be elected at the first meeting held after the vacancy shall have become known to the Warden.

60. The members of the Senate shall be informed by circular when any vacancy occurs in the office of Warden, Clerk, or Member of Council, and such circular shall state the date up to which nominations will be received.

61. Every nomination shall be signed by at least two members of the Senate.

62. No person shall be proposed for election whose name has not appeared on the Notice-paper.

63. Any person nominated as a candidate for any office may by letter request the Clerk to cancel his nomination, and the receipt of such letter shall be held to cancel such nomination.

\* Passed by Senate, 28th March, 1894.

64. In all elections if no more than the required number of persons be nominated, the Warden shall declare them elected.

65. If more than the required number of persons be nominated voting papers shall be distributed and every member present shall vote for the required number of candidates; but no member who has a direct pecuniary interest in the result of the election shall be allowed to vote.

66. When the voting papers have been distributed the doors shall be closed until such time as the papers shall have been collected.

67. The Warden shall appoint from the members present as many scrutineers as he shall think proper, and shall assign them their duties.

68. The votes shall be counted by the scrutineers, and the number of votes given for each candidate shall be reported to the Warden, who shall then declare the result of the election.

#### E. QUESTIONS.

69. Questions touching the affairs of the University may be put to the Warden or to the Representative of the Council in the Senate.

70. The Warden may disallow any question which he thinks ought not to be put, and may alter and amend any question which is not in accordance with the Standing Orders, or which is in his opinion injudiciously worded.

71. The Warden or Representative of the Council to whom a question is put, may without reason assigned decline to answer at all or until notice thereof has been duly given.

72. By permission of the Senate any member may put a question in the absence of the member who has given notice of it.

73. By permission of the Senate a member may amend in writing a question of which he has given notice and put it as amended.

74. In putting any question no argument or opinion shall be offered nor shall any facts be stated except so far as may be necessary to explain such question.

75. In answering any question the matter to which it refers shall not be debated.

76. Replies to questions, of which notice has been given, shall be in writing, and having been read, shall be handed to the Clerk, and recorded in the Minutes.

77. Questions not on the Notice Paper shall not be recorded in the Minutes, nor shall the answers thereto.

**F. COMMITTEE OF THE WHOLE SENATE.**

78. A Committee of the whole Senate is appointed by a resolution "That the Senate do now resolve itself into a Committee of the whole."

79. The Warden shall be Chairman of such Committee unless he be unwilling to act, in which case any other member may be voted to the chair.

80. When the matters referred to the Committee have been disposed of the Senate resumes, and the report of the Committee is at once proposed to the Senate for adoption.

81. When the matters so referred have not been disposed of, the Senate having resumed and having received a report of the Committee to the effect that the matters have not been fully disposed of, may appoint a future day for the Committee to sit again.

82. A member may speak more than once to each question.

83. A motion need not be seconded.

**V. SELECT COMMITTEES.**

84. Select Committees, unless it be otherwise ordered, shall consist of five members, who shall elect their own Chairman, and of whom three shall be a quorum.

85. The Chairman shall have both a deliberative and a casting vote.

86. At the time of the appointment of the Committee the Senate shall instruct the Committee as to the matters to be reported on by them, and their report shall be confined to such matters.

87. The Chairman shall present the report of the Committee to the Senate, and it shall be forthwith discussed or postponed for future consideration.

**VI. SUSPENSION OF STANDING ORDERS.**

88. Any of these Standing Orders may be suspended for the time being on motion made with or without notice, provided that a quorum shall be present, and that such motion shall have the concurrence of at least two-thirds of the members present.

The above Standing Orders were adopted by the Senate at a meeting held on the 2nd day of December, 1885, the previous code having been rescinded.

FREDERIC CHAPPLE,

December 2nd, 1885.

WARDEN.

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