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ANNUAL CALENDAR

OF

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McGILL COLLEGE

AND

UNIVERSITY,

MONTREAL.



FOUNDED UNDER BEQUEST OF THE HON. JAMES McGILL, ERECTED INTO A UNIVERSITY BY ROYAL CHARTER IN 1821, AND RE-ORGANIZED BY AN AMENDED CHARTER IN 1852.

SESSION 1900-1901

Montreal:

PRINTED FOR THE UNIVERSITY BY JOHN LOVELL & SON.

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The List of Graduates, corrected to June, 1900, and the Examination Papers (price 75 cents) for each Session, are published separately, and may be obtained on application to the Registrar.

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WILLIAM PETERSON, M.A., LL.D., Vice-Chancellor.

(The Principal has, under the Statutes, the general superintendence of all affairs of the College and University, under such regulations as may be in force.)

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To retire on 1st September, 1901.

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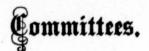
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Lecturer in Pathology. J. ALEX. HUTCHISON, M.D.	2736 St. Catherine St.
Lecturer in Clinical Surgery.	70 Mackay Street.
W. W. FORD, B.A., M.D., Fellow in Pathology. JOHN McCREA, B.A., M.D., Fellow in Pathology.	McGill College.
R. TAIT McKENZIE., B.A., M.D. Demonstrator of Anatomy.	59 Metcalfe Street.
N. D. GUNN, M.D. Demonstrator of Histology Faculty of Medicine, of Materia Medica in the Faculty of Comp	and Lecturer on ar. Med. and
Vet. Sc.	47 Union Avenue.
J. A. HENDERSON, M.D. Demonstrator of Anatomy, J. W. SCANE, M.D.	34 Park Av.
Demonstrator of Physiology, KENNETH CAMERON, B.A., M.D.	4469 St Catherine Street.
Demonstrator of Clinical Surgery E. J. SEMPLE, B.A. (St. Mary's College), M.D.	903 Dorchester Street.
Demonstrator of Surgical Pathology. R. A. KERRY, M.D.	375 St Antoine Street.
Demonstrator of Pharmacy. J. J. ROSS, B.A., M.D.	164 Peel Street.
Demonstrator of Anatomy. A. E. ORR, M.D.	679 Wellington Street.
Demonstrator of Anatomy. H. B. YATES, B.A. (Cantab.), M.D.	900 Dorchester Street.
Demonstrator of Bacteriology.	257 Peel Street.

A. A. ROBERTSON, B.A., M.D.

Demonstrator of Physiology.

J. D. CAMERON, M.

Demonstrator of

D. D. McTAGGART, Demonstrator of

S. RIDLEY MACKEN

Demonstrator of

H. D. HAMILTON, M Demonstrator of

D. P. ANDERSON, B Assistant Demon

T. P. SHAW, M.D.

Assistant Demon

JAMES BARCLAY, N Assistant Demon

J. A. WILLIAMS, M.D. Assistant Demons

A. T. BAZIN, M.D.

Assistant Demons

H. M. CHURCH, M.D.
Assistant Demons

W. G. REILLY, M.D.
Assistant Demons
R. A. WESTLEY, M.D.

Assistant Demons

Assistant Demons

W. M. FISK, M.D.

Assistant Demonst

E. R. BROWN, B.A., M.
Assistant Demonst

D. PATRICK, M.D.
Assistant Demonst.

A. D. IRVINE, M.D.

Assistant Demonstr W. K. BROWN, M.D.

Assistant Demonstr W. G. M. BYERS, M. D.

W. G. M. BYERS, M. D.
Assistant Demonstr

COMPARATIVE

DUNCAN McEACHRAN

Dean of the Faculty
Surgery.

MALCOLM C. BAKER, 1 Professor of Veterin

CHARLES McEACHRAI

Professor of Veterine

79 St. Matthew Street.

G. P. GIRDWOOD, M.D.
Associate Professor

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J. D. CAMERON, M.D. Demonstrator of Gynæcology.	2068 St Catherine Street.
D. D. McTAGGART, B.A.Sc., M.D.	
Demonstrator of Pathology. S. RIDLEY MACKENZIE, M.D.	ço Park Av.
Demonstrator of Medicine.	r44 Peel Street.
H. D. HAMILTON, M.D.	Canadant Street
Demonstrator of Laryngology.	141 Crescent Street.
D. P. ANDERSON, B.A., M.D. Assistant Demonstrator of Pathology.	35 Park Av.
T. P. SHAW, M.D. Assistant Demonstrator of Obstetrics.	1260 Dorchester Street.
JAMES BARCLAY, M.D.	
Assistant Demonstrator of Obstetrics.	59 Metcalf Street.
J. A. WILLIAMS, M.D.	
Assistant Demonstrator of Bacteriology.	385 St. Antoine Street.
A. T. BAZIN, M.D.	
Assistant Demonstrator of Anatomy.	46 Richmond Square.
H. M. CHURCH, M.D.	
Assistant Demonstrator of Anatomy.	354 Greene Av.
W. G. REILLY, M.D.	
Assistant Demonstrator of Anatomy.	51 Park Av.
R. A. WESTLEY, M.D.	
Assistant Demonstrator of Anatomy.	85 Union Av.
H. B. FRASER, B.A., M.D. Assistant Demonstrator of Histology.	1171 St. Denis Street.
W. M. FISK, M,D,	
Assistant Demonstrator of Histology.	49 Prince Arthur Street.
E. R. BROWN, B.A., M.D.	
Assistant Demonstrator of Histology.	54 Drummond Street,
D. PATRICK, M.D.	
Assistant Demonstrator of Histology.	4186 St. Catherine Street,
A, D. IRVINE, M.D.	
Assistant Demonstrator of Clinical Chemistry.	4356 St. Catherine Street.
W. K. BROWN, M.D.	
Assistant Demonstrator of Clinical Chemistry.	99 University Street.
W. G. M. BYERS, M.D.	
Assistant Demonstrator of Ophthalmology.	192 Peel Street.
COMPARATIVE MEDICINE AND VETERI	NARY SCIENCE.
DUNCAN McEACHRAN, F.R.C.V.S., D.V.S.	
Dean of the Faculty and Professor of Veterinary Medicine Surgery.	6 Union Ave
MALCOLM C. BAKER, D.V.S.	o omon Ave
Professor of Veterinary Anatomy.	6 Union Ave
CHARLES McEACHRAN, D.V.S.	o omou Ave
Professor of Veterinary Obstetrics and Diseases of Cattle.	6 Union Ave.
G. P. GIRDWOOD, M.D.	J Omon 21ve.
Associate Professor of Chemistry.	III University St.
y.	omicisity St.

xxiv GEORGE WILKINS, M.D. Associate Professor of Histology. 898 Dorchester St. D. P. PENHALLOW, M.Sc., F.R.S.C., F.R.M.S. Associate Professor of Botany. McGill College. WESLEY MILLS, M.D., D.V.S. Associate Professor of Physiology. McGill College. J. G. ADAMI, M.A., M.D. (Cantab, and McGill), F.R.S.E. Associate Professor of Pathology. 33: Peel St. (The above Professors constitute the Faculty of Comparative Medicine and Veterinary. Science.) OTHER OFFICERS OF INSTRUCTION. N. D. GUNN, M.D. Lecturer in Materia Medica. 47 Union Ave. C. F. MARTIN, M.D. Lecturer in Medicine. 33 Durocher Street. LIBRARY. CHAS. H. GOULD, B.A. University Librarian. 862 Sherbrooke Street. H. MOTT. Assistant Librarian. 47 St. Famille Street.

Me 1 Saturday 2 SUNDAY No Int Lec 3 Monday Tuesday Wednesday 6 Thursday 7 Friday 8 Saturday 9 SUNDAY 10 Monday 11 Tuesday 12 Wednesday Reg Fin 13 Thursday 14 Friday 15 Saturday Mee 16 SUNDAY Mat 17 Monday 18 Tuesday 19 Wednesday 20 Thursday Exa Exa Exa 21 Friday 22 Saturday Exa Mat 23 SUNDAY 24 Monday 25 Tuesday 26 Wednesday Exa Lect 27 Thursday 28 Friday 29 Saturday 30 SUNDAY Meet 1 Monday Tuesday Wednesday Nort Phys Foun The 4 Thursday 5 Friday 6 Saturday 7 SUNDAY Muse 8 Monday 9 Tuesday 10 Wednesday 11 Thursday Colle Regu Finar Unive 12 Friday 13 Saturday 14 SUNDAY 15 Monday 16 Tuesday Engir 17 Wednesday 18 Thursday 19 Friday 20 Saturday Meeti Regis 21 SUNDAY 22 Monday 23 Tuesday
24 Wednesday
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SEPTEMBER, 1900.

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18 Tuesday 19 Wednesday 20 Thursday

21 Friday 22 Saturday

23 SUNDAY 24 Monday 25 Tuesday

25 Tuesday 26 Wednesday

27 Thursday 28 Friday 29 Saturday

30 SUNDAY

Meeting of Medical Faculty. Field work in Surveying (Supplemental examination in Surveying, Aug. 31st).

Meeting of Faculty of Applied Science.

Normal School opens. Meeti Introductory Lecture in Law. Lectures in Law begin.

Register opens for students in Medicine. College Grounds Committee.

Finance Committee.

Meeting of Faculty of Arts.

Matriculation, Exhibition, Scholarship and Supplemental Examinations. En neering Building Committee: Chemistry and Mining Building Committee. Engi-

Examinations continued. Examinations continued.

Examinations continued. Introductory Lecture in Medicine. Lectures in Medi-

cine begin.

Examinations continued. Meeting of Governors,
Matriculation in Veterinary Science.

Meeting of Faculty of Applied Science.

Museum Committee: Library Committee.

Examinations continued. Meeting of Faculty of Arts.
Lectures in Arts and Applied Science begin.
Lectures in Veterinary Science begin. Summer Essays in Applied Science to be

Physics Building Committee.

Founder's Birthday. Meeting of Faculty of Arts.

The William Molson Hall opened, 1862. Meeting of Medical Faculty. Exhibition and Supplemental Examinations, Applied Science

Engineering Building Committee: Chemistry and Mining Building Committee

sent in.

OCTOBER, 1900.

Normal School Committee. Meeting of Academic Board.

Russelm Committee: Library Committee.
College Grounds Committee.
Regular Meeting of Corporation. Annual Report to Visitor.
Finance Committee.
University Athletic Sports.

Meeting of Governors. Meeting of Faculty of Arts. Register closes for Students in Medicine.

Monday

Tuesday Wednesday

Thursday

Friday

5 Friday 6 Saturday

7 SUNDAY

Monday

Tuesday Wednesday

10 II Thursday

12 Friday 13 Saturday

14 SUNDAY

15 Monday 16 Tuesday 17 Wednesday 18 Thursday

19 Friday 20 Saturday

21 SUNDAY

22 Monday 23 Tuesday

23 Tuesday 24 Wednesday 25 Thursday 26 Friday 27 Saturday

28 SUNDAY

29 Monday 30 Tuesday 31 Wednesday

New Library opened, 1893

Note.-Meetings of the Faculty of Arts are held at 5 P.M. unless otherwise specified.

xvi	NOVEMBER, 1900.		1
1 Thursday 2 Friday 3 Saturday	Meeting of Faculty of Arts. Meeting of Medical Faculty.	Tuesday Wednesday Thursday Friday	Me
4 SUNDAY		5 Saturday 6 SUNDAY	Me
5 Monday 6 Tuesday	Meet ng of Faculty of Applied Science.	7 Monday	Lec
7 Wednesday 8 Thursday 9 Friday 10 Saturday	Finance Committee.	8 Tuesday 9 Wednesday 10 Thursday 11 Friday	Coll Nor Fin Mee
11 SUNDAY		12 Saturday	
12 Monday 13 Tuesday 14 Wednesday 15 Thursday 46 Friday 17 Saturday	College Grounds Committee, Meeting of Governors. Meeting of Faculty of Arts.	13 SUNDAY 14 Monday 15 Tuesday 16 Wednesday 17 Thursday 18 Friday	Mee
18 SUNDAY		19 Saturday	
19 Monday 20 Tuesday 21 Wednesday 22 Thursday 23 Friday 24 Saturday	Engineering Building Committee: Chemistry and Mining Building Committee.	20 SUNDAY 21 Monday 22 Tuesday 23 Wednesday 24 Thursday 25 Friday	Eng.
25 SUNDAY		26 Saturday 27 SUNDAY	
26 Monday 27 Tuesday 28 Wednesday 29 Thursday		28 Monday 29 Tuesday 30 Wednesday 31 Thursday	The
30 Friday	Meeting of Faculty of Arts.		
	DECEMBER, 1900.		
τ Saturday	Meeting of Medical Faculty	r Friday 2 Saturday	Mee
2 SUNDAY			
3 Monday 4 Tuesday	Meeting of Faculty of Applied Science.	3 SUNDAY	Mee
6 Wednesday 6 Thursday 7 Friday 8 Saturday	Meeting of Academic Board. Physics Building Committee.	4 Monday 5 Tuesday 6 Wednesday 7 Thursday 8 Fridey 9 Saturday	Mee Phy Mee
9 SUNDAY 10 Monday	Sessional Examinations in Medicine begin. Museum Committee: Library Com-	10 SUNDAY	
Tuesday Wednesday Thursday Friday Saturday	mittee. College Grounds Committee. Regular Meeting of Corporation. Finance Committee. Last day of Lectures in Arts.	11 Monday 12 Tuesday 13 Wednesday 14 Thursday 15 Friday	Mu Col Reg Fin Me
16 SUNDAY		16 Saturday	
17 Monday	Christmas Examinations in Arts begin. Engineering Building Committee: Chemistry and Mining Building Committee.	17 SUNDAY	P
18 Tuesday 19 Wednesday 20 Thursday 21 Friday 22 Saturday	Meeting of Governors. Autumn term of Faculty of Medicine ends. Christmas Vacation begins.	18 Monday 19 Tuesday 20 Wednesday 21 Thursday 22 Friday	En No
23 SUNDAY		23 Saturday	
24 Monday 25 Tuesday 26 Wednesday 27 Thursday 28 Friday 29 Saturday	Christmas-Day.	24 SUNDAY 25 Monday 26 Tuesday 27 Wednesday 28 Thursday	Ph
30 SUNDAY 31 Monday			

	JANUARY, 1901. XXVI
r Tuesday 2 Wednesday 3 Thursday 4 Friday 5 Saturday	Meeting of Medical Faculty. Meeting of Faculty of Arts. (4 p.m.)
6 SUNDAY	
7 Monday 8 Tuesday 9 Wednesday 10 Thursday 11 Friday	Lectures in Arts and Applied Science resumed. Winter term Faculty of Medicine begins. Lectures in Law resumed. Meeting of Faculty of Applied Science College Grounds Committee. Normal School Committee. Finance Committee. Meeting of Faculty of Arts.
12 Saturday	
13 SUNDAY	
14 Monday 15 Tuesday 16 Wednesday 17 Thursday	
18 Friday 19 Saturday	Meeting of Governors.
20 SUNDAY	
Monday Tuesday Wednesday	Engineering Building Committee: Chemistry and Mining Building Committee.
24 Thursday 25 Friday 26 Saturday	, Meeting of Faculty of Arts
27 SUNDAY	
28 Monday 29 Tuesday 30 Wednesday 31 Thursday	Theses for M.A. and LL.D. to be sent in.
	FEBRUARY, 1901.
r Friday 2 Saturday	Meeting of Medical Faculty.
3 SUNDAY	
4 Monday 5 Tuesday	Meeting of Faculty of Applied Science.
6 Wednesday 7 Thursday 8 Friday 9 Saturday	Meeting of Academic Board, Physics Building Committee. Meeting of Faculty of Arts.
10 SUNDAY	
11 Monday 12 Tuesday 13 Wednesday 14 Thursday 15 Friday 16 Saturday	Museum Committee: Library Committee, College Grounds Committee, Regular Meeting of Corporation Finance Committee, Meeting of Governors.
17 SUNDAY	
18 Monday	Engineering Building Committee: Chemistry and Mining Building Committee,
19 Tuesday 20 Wednesday 21 Thursday 22 Friday	No Lectures. Meeting of Faculty of Arts.
23 Saturday	
24 SUNDAY	
25 Monday 26 Tuesday 27 Wednesday 28 Thursday	Physics and Engineering Buildings opened Feb. \$5th, 1893.

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ry Com-

ımittee:

xxviii	MARCH, 1901.		
r Friday 2 Saturday	Meeting of Medical Faculty.	r Wednesday	M
SUNDAY		2 Thursday 3 Friday	
Monday Tuesday	Meeting of Faculty of Applied Science.	4 Saturday	M
6 Wednesday	Meeting of Academic Board,	SUNDAY	
7 Thursday 8 Friday 9 Saturday	Meeting of Faculty of Arts.	6 Monday 7 Tuesday 8 Wednesday 9 Thursday	M Fi
O SUNDAY		10 Friday 11 Saturday	
11 Monday 12 Tuesday 13 Wednesday	College Grounds Committee.	12 SUNDAY	
14 Thursday 15 Friday 16 Saturday	Finance Committee. Meeting of Governors.	13 Monday 14 Tuesday 15 Wednesday	С
		16 Thursday	
7 SUNDAY 18 Monday	Engineering Building Committee: Chemistry and Mining Building Committee.	17 Friday 18 Saturday	M
19 Tuesday	Engineering building Committee. Chemistry and Winning Building Committee.	19 SUNDAY	
20 Wednesday 21 Thursday		20 Monday	E
22 Friday	Meeting of Faculty of Arts. Reports of Attendance on Lectures. Winter termends Faculty of Medicine.	21 Tuesday 22 Wednesday	
23 Saturday	ends Faculty of medicine.	23 Thursday	I
4 SUNDAY		24 Friday 25 Saturday	1
25 Monday		26 SUNDAY	1
26 Tuesday 27 Wednesday		27 Monday	1
28 Thursday 29 Friday 30 Saturday	Convocation for Degrees in Veterinary Science. Last day of Lectures in Arts and Applied Science.	28 Tuesday 29 Wednesday	1
31 SUNDAY		30 Thursday 31 Friday	1
	APRIL, 1901.		
Monday	Examinations in Arts begin. Meeting of Faculty of Applied Science.	1 Saturday	1
2 Tuesday 3 Wednesday	Normal School Committee.	2 SUNDAY	1
4 Thursday 5 Friday 6 Saturday	Physics Building Committee. Good Friday. Easter Vacation begins. Meeting of Medical Faculty.	3 Monday 4 Tuesday	
7 SUNDAY	Easter Sunday.	5 Wednesday 6 Thursday	1
8 Monday 9 Tuesday	Museum Committee: Library Committee, Spring term begins, Faculty of Medicine. College Grounds Committee. Easte	7 Friday 8 Saturday 9 SUNDAY	
10 Wednesday	vacation ends, Regular meeting of Corporation.	10 Monday	
11 Thursday 12 Friday	Finance Committee,	11 Tuesday	
13 Saturday		12 Wednesday 13 Thursday	
4 SUNDAY		14 Friday 15 Saturday	1
15 Monday	Engineering Building Committee: Chemistry and Mining Building Committee.	16 SUNDAY	1
16 Tuesday 17 Wednesday			
18 Thursday	Martin of Communication	17 Monday 18 Tuesday	1
19 Friday 20 Saturday	Meeting of Governors.	19 Wednesday 20 Thursday	
1 SUNDAY		21 Friday	
22 Monday		22 Saturday	
23 Tuesday 24 Wednesday		23 SUNDAY	
25 Thursday 26 Friday 27 Saturday		24 Monday 25 Tuesday 26 Wednesday.	
28 SUNDAY		27 Thursday 28 Friday	
29 Monday 30 Tuesday	Convocation for Degrees in Arts, Law and Applied Science. Graduate Court	29 Saturday 30 SUNDAY	

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		MAY, 1901. xxi x
	1 Wednesday	Meeting of Examiners for School Examinations.
	2 Thursday 3 Friday 4 Saturday	Meeting of Medical Faculty.
5	SUNDAY	
	6 Monday 7 Tuesday 8 Wednesday 9 Thursday 10 Friday 11 Saturday	Meeting of Faculty of Applied Science. Finance Committee.
12	SUNDAY	
	Monday Tuesday Wednesday Thursday Friday Saturday	College Grounds Committee. Meeting of Governors.
and committee.	SUNDAY	
tures. Winter ter	Monday Tuesday Wednesday Thursday Friday Saturday	Engineering Building Committee: Chemistry and Mining Building Committee. Lectures end, Faculty of Medicine. Queen's Birthday.
	SUNDAY	Whit Sunday,
	27 Monday 28 Tuesday 29 Wednesday 30 Thursday 31 Friday	Examinations begin, Faculty of Medicine. Normal School closes.
		JUNE, 1901.
icience.	1 Saturday	Meeting of Medical Faculty.
2	BUNDAY	Trinity Sunday.
mmittee. Easte	3 Monday 4 Tuesday 5 Wednesday 6 Thursday 7 Friday 8 Saturday	Normal School Committee. Physics Building Committee.
	10 Monday	Examinations begin for Matriculation and Associate in Arts. Museum Com-
	Tuesday Wednesday Thursday Friday Saturday	mittee: Library Committee. College Grounds Committee. Regular Meeting of Corporation. Finance Committee. Spring Term ends, Faculty of Medicine. Convocation for degrees in Medicine.
ing Committee	SUNDAY	
	no Monday Tuesday Wednesday Thursday Friday Saturday	Engineering Building Committee: Chemistry and Mining Building Committee. Meeting of Governors.
2	SUNDAY	
	Monday Tuesday Wednesday. Thursday Fitual	
Traditate Cours	o SUNDAY	

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Almost alone sities, McGill U Its founder, the takes its name, Scotland, where grating to Cana the North-West ness in Canada. nership with his merchants, distir the advancement sequently colone on the breaking brigadier-general his country. H the Provincial 1 Legislative and society of the fe special interest in Province of Quel more than two y December, 1813, of £10,000 in mo the erection of wl of the British (were appointed to the subject prope Advancement of porated by the l and the advancen conditions upon Royal Institution that that Instituti cease, erect and

College, for the

McGill University.

FOUNDATION AND EARLY HISTORY.

Almost alone in this respect among Canadian colleges and universities, McGill University owes its origin to a private endowment. Its founder, the Hon. James McGill, from whom the University takes its name, was born on the 6th October, 1744, in Glasgow, Scotland, where he received his early education and training. Emigrating to Canada before the American Revolution, he engaged in the North-West fur trade, then one of the leading branches of business in Canada. Subsequently he settled in Montreal, and, in partnership with his brother, Andrew McGill, became one of its leading merchants, distinguished for his public spirit and his exertions for the advancement of the city. He was lieutenant-colonel and subsequently colonel of the Montreal City Militia; and, in his old age, on the breaking out of the American war of 1812, he became brigadier-general, and was prepared to take the field in defence of He also represented the West Ward of Montreal in his country. the Provincial Legislature, and was afterwards a member of the Legislative and Executive Councils. Cultivating and enjoying the society of the few men of learning then in the colony, he took a special interest in the establishment of an educational system in the Province of Quebec. By his will, bearing date the 8th January, 1811, more than two years before his death, which happened on the 19th December, 1813, he bequeathed his property of Burnside and a sum of £10,000 in money, to found a college in a provincial university, the erection of which had already been provided for by the generosity of the British Government. Three leading citizens of Montreal were appointed trustees under the will, and were directed to convey the subject property of the bequest to the Royal Institution for the Advancement of Learning, a body which, in 1802, had been incorporated by the Legislature "for the establishment of Free Schools and the advancement of Learning" in the Province of Quebec. The conditions upon which the property was to be transferred to the Royal Institution for the Advancement of Learning were, mainly, that that Institution should, within ten years after the testator's decease, erect and establish on his Burnside estate "an University or College, for the purposes of education and the advancement of learning in this Province," and that the college, or one of the colleges, in the University, if established, should "be named and perpetually be known and distinguished by the appellation of McGill College." Owing to persistent opposition by the leaders of one section of the people to any system of governmental education and to the refusal by the Legislature to make the grants of land and money which had been promised, the proposed establishment of the provincial university by the British Government was abandoned.

In so far as the McGill College was concerned, however, the Royal Institution at once took action by applying for a Royal Charter. Such a charter was granted in 1821, and the Royal Institution prepared to take possession of the estate. But, owing to protracted litigation, this was not surrendered to them till 1829. Commencing then the work of teaching with two faculties, Arts and Medicine, the record of the first thirty years of the University's existence is an unbroken tale of financial embarrassment and administrative difficulties. The charter was cumbrous and unwieldy, and unsuited to a small college in the circumstances of this country, and the University, with the exception of its medical faculty, became almost extinct. But after thirty years the citizens of Montreal awoke to the value of the institution which was struggling in its midst. Several gentlemen undertook the responsibility of its renovation, and, in 1852, an amended charter was secured. The Governor-General of Canada for the time being, Sir Edmund Head, became interested in its fortunes, and in 1855, with the advent of a new Principal, an era of progress and prosperity began.

CONSTITUTION.

By the amended Charter "the Governors, Principal, and Fellows" of the University are constituted a body politic and corporate, with all the usual rights and privileges of corporate bodies. The supreme authority of the University, however, is vested in the Crown, and is exercised by His Excellency the Governor-General of Canada for the time being. This is a special and important feature of the constitution, for, while it gives the University an imperial character and removes it at once from any merely local or party influence, it secures the patronage of the head of the political system of the country.

The Governors of the University are the members of the Royal Institution for the Advancement of Learning, already mentioned, and in them are vested the management of finances, the passing of University statutes and ordinances, the appointment of professors, and other important duties. Their number is limited to fifteen, and vacancies are filled by the nomination of the remaining members, with the approval of the Visitor. The President of the Board of Governors is, ex-officio, Chancellor of the University.

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The Faculty cover four session years extensive of allowed to profess grees of B.A., M., B.A. from this learned profession vinces of Canada;

The undergraduate graduate course in the undergraduate avoiding the dupli which give the san

The Principal is the academic head and chief administrative officer. He is appointed by the Board of Governors, and is, ex-officio, Vice-Chancellor of the University.

The Fellows are limited to 43 in number, and are selected with reference to the representation of all the Faculties and departments of the University, of affiliated colleges and of other bodies.

The Governors, Principal, and Fellows, together constitute the Corporation, the highest academical body. Its powers are fixed by statute, and include the framing of all regulations touching courses of study, matriculation and graduation, and the granting of degrees.

The Principal, the Deans of the several Faculties, the Professors and Associate Professors, and other members, not exceeding ten in number, of the teaching staff, constitute the Academic Board of the University, with the duty of considering such matters as pertain to the interests of the University as a whole, and of making recommendations concerning the same.

The Statutes and Regulations of the University have been framed on the most liberal principles, with the view to affording to all classes of persons the greatest possible facilities for the attainment of mental culture and professional training. In its religious character the University is Protestant, but not denominational, and while all possible attention is given to the character and conduct of students, no interference with their individual views is sanctioned.

FACULTIES AND COURSES.

The educational work of the University is carried on in McGill College, the Royal Victoria College for Women, and other University buildings in Montreal, and in affiliated colleges:

The Faculties are five in number:

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The Faculty of Arts.—The undergraduate courses of study extend over four sessions of eight months each. In the third and fourth years extensive options are provided, and certain exemptions also are allowed to professional students. The courses of study lead to the Degrees of B.A., M.A., B.Sc., M.Sc., D.Sc., and D.Litt. The Degree of B.A. from this University admits the holder to the study of the learned professions without preliminary examination, in the Provinces of Canada and in Great Britain and Ireland, and elsewhere.

The undergraduate course in Arts can be taken along with the undergraduate course in Medicine or Applied Science in six years, or with the undergraduate course in Law in five years. This is effected by avoiding the duplication of courses in the same subjects or in those which give the same educational training, and by a proper adaptation

of the time tables. Alternatively, a certificate of Literate in Arts is given along with the Degree in Medicine, Applied Science, or Law, to candidates who have completed two years in Arts before entering the Professional Faculty.

The curriculum in Arts provides for the education of women, mainly in separate classes, with courses of study, exemptions, degrees and honours identical with those for men.

The Faculty of Applied Science.—The undergraduate courses of study extend over four years of eight months each, and provide a thorough professional training in Civil Engineering, Mechanical Engineering, Mining Engineering and Assaying, Electrical Engineering, Practical Chemistry and Architecture. The courses of study lead to the Degrees of B.Sc., M.Sc., and D.Sc. The undergraduate course in Arts can be taken along with the undergraduate course in Applied Science in six years.

The Faculty of Law—The undergraduate course extends over three Sessions of eight months each, and leads to the Degrees of B.C.L. and D.C.L. The undergraduate course in Arts can be taken with the undergraduate course in Law in five years.

The Faculty of Medicine.—The undergraduate course of study extends over four Sessions of nine months each, and leads to the Degree of M.D., C.M. The undergraduate course in Arts can be taken along with the undergraduate course in Medicine in six years.

The Faculty of Comparative Medicine and Veterinary Science.—The undergraduate course of study extends over three Sessions of six months each, and leads to the Degree of D.V.S.

AFFILIATED COLLEGES.

Students of Affiliated Colleges are matriculated in the University, and may pursue their course of study in the Affiliated College, or in part in the Affiliated College, and in part in McGill College, as the case may be, and may come up to the University Examinations on the same terms as the students of McGill College.

THE STANSTEAD WESLEYAN COLLEGE, STANSTEAD, P.Q.—Is affiliated in so far as regards the work of the first two years and the Intermediate examination in Arts. [Detailed information may be obtained from the Rev C. R. Flanders, B.A., D.D., Principal.]

VANCOUVER COLLEGE, VANCOUVER, B.C.—Is affiliated in so far as regards the work of the First Year in Arts. [Detailed information may be obtained from J. C. Shaw, Esq., M.A., Principal.]

AFF

Students of tend the course students, with agreed on: THE CONGREGA REV. J. HE THE PRESBYTE Presbyteria

THE WESLEYA Maggs, B.A THE DIOCESAN HACKETT, M

VICAR, D.D.

Calendars of may be obtained

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The following didates for matri
The Trafalgar In
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High School, Mont
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AFFILIATED THEOLOGICAL COLLEGES.

Students of the following Affiliated Theological Colleges may attend the courses of study in Arts, either as undergraduates or partial students, with such facilities in regard to exemptions as may be agreed on:

THE CONGREGATIONAL COLLEGE OF CANADA, MONTREAL. Principal, Rev. J. Henry George, D.D., Ph.D., 58 McTavish St.

THE PRESBYTERIAN COLLEGE, MONTREAL, in connection with the Presbyterian Church in Canada. Principal, Rev. D. H. Mac-Vicar, D.D., LL.D., 69 McTavish St.

THE WESLEYAN COLLEGE OF MONTREAL. Principal, Rev. J. T. L. Maggs, B.A., B.D.

THE DIOCESAN COLLEGE OF MONTREAL. Principal, REV. HENRY M. HACKETT, M.A., B.D., 201 University St.

Calendars of the above Colleges and all necessary information may be obtained on application to their Principals.

McGILL NORMAL SCHOOL.

THE McGill Normal School provides the training requisite for Teachers of Elementary and Model Schools and Academies. Teachers trained in this School are entitled to Provincial Diplomas, and may, on conditions stated on p. 287, enter the classes in the Faculty of Arts for Academy Diplomas and for the Degree of B.A. Principal, S. P. Robins, Ll.D., 32 Belmont St., Montreal, from whom copies of the School announcement may be obtained.

AFFILIATED HIGH SCHOOLS, ETC.

The following schools are affiliated in the sense of preparing candidates for matriculation:

The Trafalgar Institute for the higher education of women, Simpson St., Montreal, Principal, Miss Grace Fairley. The High School of Montreal, and the Girls' High School of Montreal, Metcalfe St., Principal, Rev. Elson I. Rexford, B.A.

Schools which have prepared successful candidates for the University School Examinations or for matriculation (June, 1899):

High School, Montreal; Girls' High School, Montreal; Abingdon School, Montreal; Montreal Coll. Inst.; Miss Symmers' and Miss Smith's School, Montreal; Westmount Acad.; Bishop's Coll. School, Lennoxville; Compton Ladies' Coll.; Cookshire Acad.; Danville Acad.; Dufferin Gram. School; Feller Inst.; Gault Inst.; Valleyfield; Granby Acad.; Guelph Coll. Inst.; Harrison Coll.; Huntingdon Acad.; Inverness Acad.; College of Regiopolis,

Kingston; Knowlton Acad.; Lachute Acad.; Lennoxville Mod. School; Magog Mod. School; Mansonville Mod. School; Merchiston Castle School, Edin.; New Westminster H. S.; Ormstown Acad.; Ottawa Coll. Inst.; Paspebiac Mod. School; Pembroke H. S.; Boys' H. S., Quebec; Renfrew H. S.; Ridley Coll., St. Catharines; Church School for Boys, Rothesay, N.B.; Rothesay School for Girls, St. John, N.B.; Sherbrooke Acad.; Stanstead Wesleyan Coll.; Sutton Acad.; St. Albans School, Berthier; St. Bonaventure Coll., St. John's, Nfld.; St. Louis Coll., New Westminster, B.C.; St. Francis Coll. School; High School, St. John, N.B.; St. John's H. S.; Upper Canada Coll.; Vancouver Coll.; Vancouver, B.C.; Coll. School, Victoria, B.C.; Waterloo Acad.; Williamstown H. S.

AFFILIATION TO OXFORD, CAMBRIDGE, AND DUBLIN UNIVERSITIES.

The University is affiliated to the Universities of Oxford, Cambridge, and Dublin, under conditions which allow an undergraduate who has taken two years work, and passed the University Intermediate Examination in Arts to pursue his studies and take his Degree at either of those universities on a reduced period of residence.

THE SESSION.

The University Year or Session varies for the several Faculties: For 1900-1901:—

The Session of the Faculty of Arts commences on 17th September, 1900, and ends on 30th April, 1901. Summer classes in English, Latin, Greek, Mathematics, French, German, and Logic will be held 1900, and ends on 30th April, 1902.

The Session of the Faculty of Applied Science commences on 17th September, 1900, and extends to 30th April, 1901. Field work in Surveying commences on 1st September, 1900. The Summer School in Mining commences at the end of the Session, and continues to about the end of the second week in June.

The Session of the Faculty of Law commences on 4th September, and ends on 30th April, 1901.

The Session of the Faculty of Medicine commences on 17th September, 1900, and ends on 15th June, 1901.

The Session of the Faculty of Comparative Medicine and Veterinary Science commences on 22nd September, 1900, and ends on 29th March, 1901.

The Session is divided into two terms, the first extending to the Christmas vacation, and the second from the expiry of the Christmas vacation to the date appointed for the meeting of Convocation for the conferring of degrees.

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BOARD AND RESIDENCE.

No residential accommodation has as yet been provided in the College for men students. Women students may board and reside either in private houses or in the Royal Victoria College, which provides, in addition to separate lecture rooms, residential accommodation for the women students of the University.

Good board and lodgings can be obtained in private houses in the vicinity of the University buildings at a cost of from \$15 to \$25 per month; or, separately, board at \$12 to \$15 per month, rooms at \$4 to \$10 per month.

A list of suitable boarding and Lodging houses, the sanitary conditions of which are required to be properly certified, is prepared annually, and may be obtained upon application to the Registrar of the University or the Janitor of the Medical building.

Full particulars of the Royal Victoria College for Women and the terms of residence therein are given on pp. 118-122.

(The erection of suitable University residential halls for men is contemplated in the near future.

The McGill Y.M.C.A. will arrange to meet any stranger at the station, and aid him to secure lodgings, etc., if sufficient notice of time of arrival and station is sent to the secretary of the McGill Y.M.C.A., 844 Sherbrooke Street, Montreal.

TRAVELLING EXPENSES.

Students presenting a certificate which may be obtained from the University Registrar or the Registrar of the Faculty of Medicine can procure return tickets from Montreal to any other place in Canada at greatly reduced rates, good from the close of one session to the beginning of the next, or for the Christmas vacation.

EXHIBITIONS, SCHOLARSHIPS, PRIZES, ETC.

Bursaries, Exhibitions and Scholarships, particulars of which are given in the announcements of the several Faculties (see post), are offered for competition to students entering the University. In addition to a number of valuable exhibitions and scholarships offered for competition to Second and Third Year students.

Twenty-one First Year Entrance Exhibitions,

ranging from \$90 to \$200 each, will be offered for competition to students entering the First Year in Arts in September,

1900. For details of the examination, which may serve also as an examination for matriculation, see pp. 39-42.

Gold Medals, Honours, and Prizes are awarded for advanced courses of study.

CLASSIFICATION OF STUDENTS.

Except under special circumstances, no student under the age of sixteen is admitted to the First Year courses, or under the age of seventeen to the Second Year courses in Arts, Applied Science or Medicine, and no student under the age of seventeen is admitted to the courses in Law or Comparative Medicine and Veterinary Science.

Students are classified as Graduate Students (see p. 22) Undergraduates, Conditioned Students and Partial Students.

Undergraduates are matriculated students who are pursuing a full undergraduate course of study leading to a degree.

Conditioned Students are those who, not having completed their matriculation examination, are pursuing a full undergraduate course of study leading to a degree, and are entitled, under the regulations of the Faculty, to obtain undergraduate standing, upon completing their matriculation; credit being given for their work as Conditioned Students.

Partial Students are those who, not belonging to one of the above classes of students, are pursuing a course of study in the University.

Women are admitted to the courses in Arts (on identical terms with men, but mainly in separate classes), and also to the Architectural, Freehand Drawing and Modelling Classes in the Faculty of Applied Science.

All students are required to attend lectures at the University buildings in Montreal, or at one of the affiliated colleges.

UNDERGRADUATES

In order to obtain undergraduate standing, a candidate must have passed the Matriculation Examination of the University, or some other examination accepted in lieu thereof (see p. 16), graduate.

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CONDITIONED STUDENTS.

Candidates who fail to pass the September Matriculation Examination may, if so recommended by the Board of Matriculation Examiners, enter the First Year Undergraduate Course as Conditioned Students with the view of subsequently obtaining full undergraduate standing, by passing an examination prescribed by the Board of Matriculation Examiners. Credit will be given, in the undergraduate course, for the work done by such Undergraduates while attending as Conditioned Students.

Matriculation Examination conditions must be removed before the commencement of the second Session after entrance; they cannot be carried forward into any subsequent year.

PARTIAL STUDENTS

Partial Students may, subject to the approval of the Professor, attend any class without previous examination.

Partial Students who subsequently obtain undergraduate standing by passing the Matriculation Examination may, as Undergraduates, be exempted, at the discretion of the Faculty, from a particular course or courses of lectures which they have attended as Partial Students.

Partial Students who pass the First Year Sessional Examinations are not, ipso facto, qualified for undergraduate standing in the Second Year.

MATRICULATION.

(All inquiries relating to the Matriculation Examination should be addressed to the Secretary of the Board of Matriculation Examiners.)

SUBJECTS REQUIRED FOR MATRICULATION.

The subjects of the Matriculation Examination required by the respective Faculties are as follows:

FACULTY OF ARTS.

For candidates intending to take the B.A. course:

- 1. English (including History).
- 2. Mathematics, Part I.
- 3. Latin or Greek.
- 4. Greek or Latin (if not already taken).
 or two Modern Languages.
 or one Modern Language with Mathematics, Part II.
- 5. One of the following: Physiography, Botany, Chemistry Physics, or a Language not previously taken

For candidates intending to take the B.Sc. course.

- 1. English (including History).
- 2. Mathematics, Part I.
- 3. One of the following: Latin. Greek, French, German.
- 4. One of the following:

Physiography, Botany, 'Chemistry, Physics, a Language from (3) not previously taken, or Mathematics, Part II.

In and after June, 1901, an additional language will be required. Candidates who intend ultimately to proceed to the study of Medicine are reminded that for Medical Registration it will be necessary to take Latin.

FACULTY OF APPLIED SCIENCE.

- 1. English (including History).
- 2. Mathematics, PartI.
- 3. Mathematics, Part II.
- 4. French or German or Greek or Latin.

In 1901 and subsequently,

5. One of the following: Physiography, Botany, Chemistry Physics, or a Language from (4) not previously taken.

In addition to those who qualify on certificates mentioned on p. 16, par. 9, students who have completed one or more years of the Arts Course may enter this Faculty on passing an examination in the additional mathematics, if any, required for Matriculation into the Faculty of Applied Science.

FACULTY OF LAW.

- 1. English (including History).
- 2. Mathematics, Part 1.

3. Latin.

4. French.

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- 3. Latin.
- 4. French.
- 5. One of the following:

Physiography, Botany, Chemistry, Physics, or a Language not previously taken.

Candidates must attain to a high standard in Latin and French. In addition to the certificates mentioned on p. 16, par. 9, the following are accepted in lieu of the Matriculation Examination for entrance in this Faculty:

The Degree of Bachelor of Arts, Bachelier-es-Lettres, or Bachelier-es-Sciences, obtained from any Canadian or other British University. A certificate of having passed the examination required by the Council of the Bar of the Province of Quebec. One or the other of these qualifications is required by the Legislature for admission to study for the legal profession in the Province (see p. 211.)

FACULTY OF MEDICINE.

- 1. English (including History).
- 2. Mathematics, Part I.
- 3. Latin.
- 4. One of the following:

French, German, Greek. Chemistry, or Physics.

In addition to the certificates mentioned on p. 16, par. 9, the following are accepted in lieu of the Matriculation examination for entrance into the Faculty:

The Degree of Bachelor of Arts obtained from any recognized university.

A certificate of having passed the Examination of a Provincial Medical Council.

In the case of candidates from the United States, a certificate of having passed a State or University Examination fully equivalent to the Matriculation Examination required for Entrance in the University.

All certificates must cover Latin.

The examination requirements for those who intend to practise medicine in any of the Provinces of Canada, or in Great Britain and Ireland and the British Colonies will be found on pp. 223 et segq.

FACULTY OF COMPARATIVE MEDICINE AND VETERINARY SCIENCE.

The Matriculation Examination for the Faculty of Comparative Medicine and Veterinary Science is held separately. Details of this Examination will be found on p. 272.

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DETAILS OF THE EXAMINATION.

I. English.—Writing from Dictation.

Grammar.—A paper on English grammar, including Analysis. The candidate will be expected to show a good knowledge of Accidence, as treated in any grammar prepared for the higher forms of schools. A similar statement applies to grammatical Analysis. Candidates are required to state the class to which any subordinate sentence belongs and to arrange and define the various members of all sentences set. Failure in Analysis and Parsing will cause the rejection of the paper. West's Elements of English Grammar is recommended as a text-book, and attention is particularly directed to pages 197-216.

English History.—Candidates will be required to give the chief details of leading events. While any text-book written for the upper forms of schools may be used in preparation for the examination, GARDINER'S Outline of English History (Longmans) is recommended.

Composition.—Candidates will write a short essay on a subject given at the time of the examination.

Literature, 1900, 1901, 1902.—(a) Scott's Lady of the Lake (ed. Stuart, Macmillan; or Selections from Tennyson, Part 1. (ed., Rowe and Webb, Macmillan); (b) SHAKSPERE'S Richard II (ed. Deighton. Macmillan).

In 1900 the requirements for the Junior Matriculation English of the University of Toronto* for that year will be accepted in place of (a) Scorr's Lady of the Lake, or Selections from Tennyson, and (b) SHAKSPERE'S Richard II.

In 1901 and 1902 the requirements for the Junior Matriculation English of the University of Toronto for those years will be accepted in place of one only of the following: (a) Scott's Lady of the Lake or Selections from Tennyson, or (b) SHAKSPERE'S Richard II.

Mathematics, Part I.

Geometry.—Euclid's Elements, Books I, II, III, with easy deductions: or an equivalent.

Arithmetic.—Elementary Rules, Vulgar and Decimal Fractions, Pro-

††1902. Scott: Lay of the Last Minstrel.

portion, Percenta ledge of the Met Algebra.-Eleme dices, Surds, Sin known quantities end of Surds similar text-books

Mathematics,

Geometry.-Eucli Book V; and easy Algebra.-The Permutations and Interest and Ann mentary Algebra, text-books.

Trigonometry.-1 functions of one a Hamblin Smith, 1 or as in Lock's ! text-books.

Greek.-Gramm Texts (Translati For 1900, XENO For 1901, XENC For 1902, XENC Translation at Si tive based upon th Candidates may prescribed for the of Toronto; and a lent to those spec the Secretary of t month before the

Latir . → Gramma Texts (Translatic For 1900, CAESAR, Aeneid I or For 1901, CAESAR, For 1902, CAESAR,

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^{* 1900} Longfellow: Evangeline, a Psalm of Life, Wreck of the Hesperus. "The day is done." The Old Clock on the Stairs, The Fire of Driftwood, Resignation, The Warden of the Cinque Ports, Excelsior, The Bridge. A Gleam of Sunshine Wordsworth: The Education of Nature ("Three years she grew.") She was a phantom of delight." A Lesson ("There is a flower the Lesser Celandine"), To the Skylark, The Green Linnet, To the Cuckoo, To the Daisy, and the following Sonnets: To a Distant Friend ("Why artthou silent?"), England and Switzerland ("Two voices are there,") "Milton thou shoulds't be living at this hour," Westminster Bridge, The Inner Vision "(Most sweet it is with unuplifted eyes,") "O Friend! I know not which way I must look," To Sleep, Within King's College Chapel.

†1901 Tennyson: Elaine, Lady of Shalott, St. Agnes' Eve, Sir Galahad, Lotos-Eaters, Ulysses, Crossing the Bar, Early Spring, "You ask me why," "Of old sat Freedom," "Love thou thy land," the six interlude songs and "Tears, Idle Tears," in "The Princess."

portion, Percentage, Simple Interest, etc., Square Root and a know-ledge of the Metric System.

Algebra.—Elementary Rules, Involution, Evolution, Fractions, Indices, Surds, Simple and Quadratic Equations of one or more unknown quantities; as in Hall and Knight's Elementary Algebra to end of Surds (omitting portions marked with an asterisk) or similar text-books.

Mathematics, Part II.

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Geometry.—Euclid's Elements, Books IV and VI, with definitions of Book V; and easy deductions; or an equivalent.

Algebra.—The three Progressions, Ratio, Proportion, Variation, Permutations and Combinations, Binomial Theorem, Logarithms, Interest and Annuities; as in remainder of Hall and Knight's Elementary Algebra, omitting chaps. 36, 40, 41, 42, or similar elementary text-books.

Trigonometry.—Measurement of angles, Trigonometrical ratios or functions of one angle, of two angles, and of a multiple angle; as in Hamblin Smith, pp. 1-105 (in 1900, pp. 1-100, omitting chap. XI); or as in Lock's Elementary Trigonometry, chaps I-XII, or similar text-books.

Greek.-Grammar.

Texts (Translation and grammatical study):-

For 1900, XENOPHON, Anabasis I.

For 1901, XENOPHON, Anabasis I or II.

For 1902, XENOPHON, Anabasis I or II.

Translation at Sight and Prose Composition (sentences or easy narrative based upon the prescribed texts).

Candidates may present an equivalent amount from the works prescribed for the Junior Matriculation Examination of the University of Toronto; and at the September Examination other works equivalent to those specified may be accepted if application be made to the Secretary of the Board of Matriculation Examiners at least a month before the day of examination.

Latin . - Grammar.

Texts (Translation and grammatical study):—

For 1900, CAESAR, De Bello Gallico I and II, or V and VI; VIRGIL, Aeneid I or II.

For 1901, CAESAR, De Bello Gallico II and III; VIRGIL, Aeneid II. For 1902, CAESAR, De Bello Gallico IV and V; VIRGIL, Aeneid II.

Translation at Sight and Prose Composition (sentences or easy narrative, based upon the prescribed prose text).

Candidates may present an equivalent amount from the works pre-

scribed for the Junior Matriculation Examinations of the University of Toronto; and at the September examination other works in Greek or Latin equivalent to those specified may be accepted, if application be made to the Secretary of the Board of Matriculation Examiners, at least a month before the day of examination.

French.-For 1900, 1901 and 1902.

Grammar (Accidence and Syntax). Candidates will be required to possess an exact knowledge of the common elements; Bertenshaw's French Grammar is recommended as containing the amount required for the examination.

Translation at sight from French into English. Translation into French of easy English passages. Brief reproduction in French of a story read by the examiner in English.

German,—Grammar.—A thorough knowledge of German Accidence.

Translation.—Candidates must be able to translate into German with tolerable correctness exercises approximately equal in difficulty to those contained in the First Part of Van der Smissen's High School German Grammar or in the First and Second Parts of the Joynes-Meissner German Grammar (Heath & Co.).

Texts (translation and grammatical study):-

For 1900, Joynes, German Reader, and Baumbach, Der Schwiegersohn.

For 1901, LEANDER, Träumereien (Copp, Clark Co.). For 1902, LEANDER, Träumereien (Copp, Clark Co.).

Candidates may substitute for the foregoing texts those prescribed for the Junior Matriculation Examination of the University of Toronto, or of Dalhousie University, or those prescribed for the Leaving Examinations of Nova Scotia if notice be given to the Secretary of the Board of Matriculation Examiners at least a month before the day of examination.

Physiography—The elements of the Science—as in Tarr's First Book of Physical Geography, or Hinman's Eclectic Physical Geography, or other text-book covering the same ground.

Botany.—As in Groom's Elementary Botany, with Penhallow's Guide to the Collection of Plants, and Blanks for Plant Description.

Credit will be given for plant collections. These must be forwarded to Montreal for examination. The collections will be returned, if desired, at the expense of the school or individuals to whom they belong.

Any plant of the same family may be substituted for any one of those specified in Part II of GROOM'S Elementary Botany, according to requirements of the locality.

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Physics.—Proj and Fluids, inclu Energy; Fluid P fects and modes Introduction to

MATRICUL

1. Matriculation the Faculty of C held only in Jun June at McGill centres; in Septer and affiliated Col

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The time-table Mon. 17th, 9 a.m.

2 p.m Tues. 18th, 9 a.m

2 p.m Wed. 19th, 9 a.m. 2 p.m

Thur. 20th, 9 a.m. 2 p.m

Frid. 21st, 9 a.m. 2 p.m

Mon. 24th, 9 a.m.

3. The fee for of examination at University, or the 4. In order to

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Chemistry — Elementary Inorganic Chemistry, comprising the preparation and properties of the chief non-metallic elements and their more important compounds, the laws of chemical action, combining weight, etc. (The ground is simply and effectively covered by Remsen's "Elements of Chemistry," pp. 1 to 160.)

Physics.—Properties of Matter; Elementary Mechanics of Solids and Fluids, including the Laws of Motion, Simple Machines, Work, Energy; Fluid Pressure and Specific Gravity; Thermometry, The effects and modes of transmission of Heat. (See, for instance, GAGE'S Introduction to Physical Science, ch. I-V.)

MATRICULATION EXAMINATION REGULATIONS.

1. Matriculation Examinations (for entrance in all Faculties except the Faculty of Comparative Medicine and Veterinary Science) are held only in June and September. The examinations are held in June at McGill College, the Royal Victoria College and at local centres; in September at McGill College, the Royal Victoria College, and affiliated Colleges only.

2. The examinations in 1900 will commence on 11th June and 17th September. Special arrangements may be made for the examination of candidates who are prevented by severe illness or domestic affliction from presenting themselves on these dates.

The time-table for the September Examination will be as under:— Mon. 17th, 9 a.m.—Latin Books and Sight Translation.

2 p.m.-Latin Grammar and Composition.

Tues. 18th, 9 a.m.—Mathematics, Part I (Euclid).

2 p.m.-Mathematics, Part I (Arithmetic and Algebra).

Wed. 19th, 9 a.m.—English Grammar and History.

2 p.m.—English Literature, Dictation, Composition.

Thur. 20th, 9 a.m.—French.

2 p.m.—German.

Frid. 21st, 9 a.m.—Mathematics, Part II.

2 p.m.—Physiography, Botany, Chemistry, Physics.

Mon. 24th, 9 a.m.Greek Books and Sight Translation.

2 p.m.—Greek Grammar and Composition.

3. The fee for the examination is payable, except in the case of examination at a local centre (see below), to the Registrar of the University, or the Secretary of the Board of Matriculation Examiners.

4. In order to obtain an examination at a local centre, any Head Master or other person must, before May 10th, submit to the Secretary of the Board of Matriculation Examiners, the name of some suitable person, preferably a University Graduate, who is willing to act as Deputy Examiner, i.e., receive the questions, hold the examinations, and forward the answers to Montreal.

The fee for this local examination must be paid to the Deputy Examiner before the commencement of the examination. The University will not be responsible for local expenses.

5. Candidates may take Arithmetic, and all the English subjects except Literature at the Matriculation Examination of one year, and the remainder at the Matriculation Examination of the following year.

6. Candidates who fail in one or more subjects at the June Examination, or who have taken part only of the examination, and present themselves again in the following September, will be re-examined in all subjects except those in which the Examiners have reported them as having obtained not less than 50 per cent.

7. Candidates who fail to pass at the September Examination may, if so recommended by the Board of Matriculation Examiners, enter the First Year Undergraduate Course as Conditioned Students, with the view of subsequently obtaining full undergraduate standing by passing an examination prescribed by the Board of Matriculation Examiners.

8. Candidates who have passed Academy Grade II of the Province of Quebec, or the Preliminary subjects of the University School (A. A.) Examinations, are exempt from examination in Arithmetic, English Grammar, Dictation, and English History.

9. The following examinations are accepted pro tanto in lieu of the Matriculation Examination, i.e., in so far as the subjects and standard are, to the satisfaction of the Board of Matriculation Examiners, the same as and equivalent to those required for the Matriculation Examination of the University; but candidates offering certificates of having passed such examinations will be required to make good their standing by passing the Matriculation Examination in such of the required subjects, if any, as are not covered by their certificates:

The University School (A.A.) Examinations.

The First Year Entrance Exhibition Examinations, particulars of which are set out on pp. 39-42.

The Model School Diploma Examinations of the McGill Normal School, under conditions.

The Matriculation or Leaving Examinations accepted by the universities of Ontario.

The Leaving Examinations of Nova Scotia.

The Matriculation Examination of Dalhousie University.

The Leaving Examination of Prince of Wales College, P.E.I.

Applications for exemption from the matriculation examination based upon certificates of having passed some examinations other than those above mentioned will be considered as occasion may require by the Board of Matriculation Examiners. Every such apparticular of the Board.

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MATRICULATION FEES.

For the Matriculation Examination\$5 00
For candidates who take the examination in part or
who, through failure or other cause, do not complete
it—for the first examination 5 00
For any subsequent examination 2 00
For examination of certificates, other than A.A. Certi-
ficates, in respect of which candidates are exempted
from the whole of the Matriculation Examination I oo
Candidates who have passed the University School (A.A.)
Examination in the required matriculation subjects, and
desire to enter the University, are required to pay the same
fee as that for the Matriculation Examination, viz., \$5.00, less
any sum already paid in connection with the University School
(A.A.) Examination.

Candidates for First Year Entrance Exhibitions who have paid the matriculation fee as above provided, may compete in the Exhibition Examinations aree of charge. Other candidates for the Exhibitions will pay the same fee as that for the Matriculation Examination, viz., \$5.00; the First Year Entrance Exhibition Examination being in that case regarded as a matriculation examination.

Certificates will be issued to candidates successful in the matriculation examinations without additional fee. Duplicate certificates will not be granted unless satisfactory proof be given of the loss or destruction of the original. The fee for a duplicate certificate is One Dollar.

ADMISSION TO SECOND YEAR.

Admission to the Second Year is open, as a rule, only to Undergraduates who have passed the First Year Sessional Examination in regular course, but in exceptional cases, to be dealt with by the Faculty in which they desire to register, candidates may be admitted directly to the Second Year without having passed through the curriculum of the First Year.

STUDENTS OF OTHER UNIVERSITIES APPLYING FOR EQUIVALENT STANDING.

Any student of another University desirous to be admitted to this University with equivalent standing is requested to send with his application:—

Ist.—A Calendar of the University in which he has studied, giving a full statement of the courses of study.

2nd.—A complete statement of the course he has followed. 3rd.—A certificate of the standing gained, and of conduct. These will be submitted to the Faculty in which he desires

to register.

The Faculty, if otherwise satisfied, will decide what examination, if any, or what conditions, may be necessary before admitting the candidate.

REGISTRATION.

I. Candidates for entrance (Undergraduates, Conditioned Students and Partial Students), are required to attend at the office of the Registrar of the University for the purpose of giving their addresses and other particulars, and of signing the following declaration in the Matricula or Register:

"I hereby declare that I will faithfully observe the Statutes, rules, and ordinances of this University of McGill College

to the best of my ability."

2. Every Undergraduate or Conditioned Student must produce to the Registrar of the University* his Matriculation Certificate or other certificate accepted or qualifying the candidate for entrance. The candidate is then entitled to enter as an undergraduate or conditioned student, as the case may be, in the Faculty in which he desires to register.

3. After registration and payment of the required fees, the student will be given tickets of admission to the classes which he is entitled to attend. The tickets of admission must be shown at the commencement of the session to the Dean of the Faculty† in which the student is registered, and also to the

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^{*}In the case of students in Medicine, to the Registrar of the Faculty of Medicine. In the case of students in Comparative Medicine, to the Registrar of the Faculty of Comparative Medicine and Veterinary Scien

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Professor or Lecturer in charge of any class attended by him.

4. After the lapse of a fortnight from the commencement of lectures, Professors and Lecturers in charge of classes will require every attending student to produce his ticket of admission, and will report to the Dean † the name of any student failing to produce it; and if, thereafter, upon notice by the Dean to the Professor or Lecturer, the student is not able to produce his ticket of admission, the Professor or Lecturer will prohibit him from further attendance, and will report to the Dean† accordingly; and similarly in the case of students joining the class during the course of the session.

DEGREES.

The Degrees of B.A., B.Sc., B.C.L., M.D., C.M., and D.V.S, can only be obtained by attendance at the lectures and passing the examinations of the undergraduate courses.

Regulations for the Degree of BA.

Students who shall have satisfactorily completed the Regular Course of Study in Arts, shall have passed the prescribed examinations during the Course, and also the special examinations for graduation, and shall have performed such exercises as may be prescribed to that end, shall be entitled to the Degree of Bachelor of Arts.

Regulations for the Degree of B.Sc.

Students who shall have satisfactorily completed the prescribed Course of Study in the Faculty of Arts for the Degree of Bachelor of Science, or the Course of Study in the Faculty of Applied Science, shall have passed the prescribed examinations during the Course, and also the special examinations for Graduation, and shall have performed such exercises as may be prescribed to that end, shall be entitled to the Degree of Bachelor of Science.

[†]In the case of the Faculty of Medicine to the Registrar of that Faculty.

Regulations for the Degree of B.C.L.

Students who shall have satisfactorily completed the Regular Course of Study in Law, shall have passed the prescribed examinations during the Course and also the special examinations for Graduation, shall be entitled to the Degree of Bachelor of Civil Law. A Bachelor or Master of Arts, or an Articled Student with a practising Member of the Bar of the Province of Quebec, who shall have matriculated in the third year of his Clerkship under such articles, shall be entitled to such Degree after two years' attendance on the said Course of Study, if he shall satisfactorily pass all requisite examinations, and perform all required exercises.

Regulations for the Degree of M.A.

Bachelors of Arts of at least one year's standing who (a) shall have taken for one year a graduate course of study in Arts in the University, previously submitted to and approved by the Faculty, and (b) shall have passed an examination at the end of the course, and (c) shall have presented, if required, a satisfactory thesis, shall be entitled to the Degree of Master of Arts. Bachelors of Arts of at least two years' standing who shall have presented a satisfactory thesis and passed a special examination, shall be entitled to the Degree of Master of Arts.

Any Bachelor of Arts who graduates prior to May 1st, 1899, or any Undergraduate in Arts registered at that date, and proceeding thereafter to the Degree of Bachelor of Arts, shall at his option be entitled to the Degree of Master of Arts on the following conditions:

I. A candidate must be a Bachelor of Arts of at least three years' standing.

Thesis:

- 2. He is required to prepare and submit to the Faculty a thesis on some literary or scientific subject, under the following rules:—
- (a) The subject of the thesis must be submitted to the Faculty before the thesis is presented.

(b) A pap lished in any

(c) The t University, a the Faculty

(d) The th fixed annuall than two mc gree.

The last day for M.A. will

- 3. All can Second Rank the Ordinary quired to pas in Science, as
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(c) Every of for Examination ature section, section. Even two out of the one of the grosubjects, and

(b) A paper read previously to any association, or published in any way, cannot be accepted as a thesis.

(c) The thesis submitted becomes the property of the University, and cannot be published without the consent of the Faculty of Arts.

(d) The thesis must be submitted before some date to be fixed annually by the Faculty, which date must not be less than two months before the candidate proceeds to the Degree.

The last day in the session of 1900-1901 for sending in Theses for M.A. will be Jan. 31st, 1901.

Examinations:

3. All candidates, except those who have taken First or Second Rank B.A. Honours, or have passed First Class in the Ordinary Examinations for the Degree of B.A., are required to pass an examination also, either in Literature or in Science, as each candidate may select.

(a) The subjects of the Examination in Literature are divided into two divisions as follows:—

Group A .- Latin, Greek, Hebrew.

Group B.-French, German, English,

(b) The subjects of the Examination in Science are divided into three divisions:—

Group A. — Pure Mathematics (advanced or ordinary) Mechanics (including Hydrostatics), Astronomy, Optics.

Group B.—Geology and Mineralogy, Botany, Zoology, Chemistry.

Group C.—Mental Philosophy, Moral Philosophy, Logic, History of Philosophy.

(c) Every candidate in Literature is required to select for Examination two subjects out of one group in the Literature section, and one out of the other group in the same section. Every candidate in Science is required to select two out of the three groups in the Science section; and in one of the groups so chosen to select for Examination two subjects, and in the other group one subject.

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(d) One of the subjects selected as above will be considered the principal subject (being so denoted by the candidate at the time of application), and the other two as subordinate subjects.

(e) The whole examination may be taken in one year, or distributed over two or three years, provided the examina-

tion in any one subject be not divided.

For further details of the examination, application must be made to the Faculty before the above date.

The fee for the degree is \$20; in absentia, \$40. (In case of failure, the candidate may present himself in a subsequent year without further payment of fees.) The examination will be held in April in McGill College only. A candidate after fulfilling all the conditions ought to notify the Faculty of his desire to proceed to the degree at the next convocation.

Candidates who obtained the degree of B.A. before 1884 may proceed to the degree of M.A. under the regulations in force previous to 1884.

Lectures to Graduates:

Lectures are open to Bachelors of Arts who are candidates for M.A., the sessional examinations corresponding to these lectures being reckoned as parts of the M.A. examination. The subjects are Greek, Latin, English, French, German, History, Mental and Moral Philosophy, Chemistry, Botany, Zoology, Geology and Mineralogy. Certificates of standing will be given.

Regulations for the Degree of M.Sc.

Bachelors of Arts or Bachelors of Science of at least one year's standing who shall have taken for one year a Graduate Course of Study in the Faculty of Arts or the Faculty of Applied Science of the University previously submitted to and approved by the Faculty, shall have passed an examination at the end of the year, and shall, if required, have presented a satisfactory thesis; or Bachelors of Arts, or Bachelors of Science of at least two years' standing who shall have

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Candidates f Masters of Art cine, who, bein shall have dist learning in the present a satisf The fee for t presented a satisfactory thesis, and shall have passed a special examination for the degree shall be entitled to the Degree of Master of Science.

The fee for the degree is \$20; in absentia, \$40.

Regulations for the Degree of M.D.

Students who shall have satisfactorily completed the Regular Course of Study in Medicine shall have passed the prescribed examinations during the course, and also the special examinations for Graduation shall be entitled to the Degree of Doctor of Medicine and Master of Surgery.

Regulations for the Degree of D.V.S.

Students who shall have satisfactorily completed the Regular Course of Study in Comparative Medicine and Veterinary Science shall have passed the prescribed examinations during the course, and also the special examinations for Graduation, shall be entitled to the Degree of Doctor of Veterinary Surgery.

Regulations for the Degree of D.Litt.

Candidates for the Degree of Doctor of Literature must be Masters of Arts, who, being graduates at least of five years' standing, shall have distinguished themselves by special research and learning in the domain of Literature or Philosophy. They are required to present a satisfactory thesis or published work.

The fee for the degree is \$80.

Regulations for the Degree of D.Sc.

Candidates for the Degree of Doctor of Science must be Masters of Arts or Masters of Science, or Doctors of Medicine, who, being graduates of at least five years' standing, shall have distinguished themselves by special research and learning in the domain of Science. They are required to present a satisfactory thesis or published work.

The fee for the degree is \$80.

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Regulations for the Degree of D.C.L.

Candidates for the Degree of Doctor of Civil Law must be Bachelors of Civil Law of at least twelve years' standing. They are required to pass a special examination for the degree and to present a satisfactory thesis or published work on some subject selected or approved by the Faculty of Law. For details of the examination, etc., see pp. 208-210.

The fee for the degree is \$80.

Regulations for the Degree of LL D.

Except as hereinafter mentioned, the Degree of Doctor of Law is given only as an honorary degree.

Any person who matriculated and attended lectures in the Faculty of Arts before the 31st January, 1899, may proceed to the Degree of Doctor of Laws in course upon the following conditions:

Candidates for the Degree of LL.D. in course must be Masters of Arts of at least twelve years' standing, and are required to prepare and submit to the Faculty of Arts, not less than three months before proceeding to the degree, twenty-five printed copies of a thesis on some Literary or Scientific subject which has been previously approved by the Faculty. The thesis must exhibit such a degree of literary or scientific merit, and give evidence of such originality of thought or extent of research as shall, in the opinion of the Faculty, justify recommendation for the degree.

Candidates are also required to submit, with their thesis, a list of books treating of some one branch of Literature or of Science satisfactory to the Faculty in which they are prepared to submit to examination, and in which they shall be examined, unless otherwise ordered by the Faculty.

The fee for the degree in course is \$80.

ACADEMIC DRESS.

Professors, Lecturers and Students, etc., are required to wear a black college cap and gown in going to the class-rooms and returning thence, and during lectures, except in those cases in which a dispensation shall have been granted by the Faculty.

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ATTENDANCE AND CONDUCT.

- 1. Punctual attendance on all his classes is required of each student.
- 2. A record shall be kept by each Professor or Lecturer, in which the presence or absence of Students shall be carefully noted. The record shall be submitted to the Faculty at all their ordinary meetings during the Session.
- 3. Credit for attendance on any lecture or class may be refused on the grounds of lateness, inattention, neglect of study or disorderly conduct in the class-room or laboratory. In the case last mentioned, the student may, at the discretion of the Professor, be required to leave the room. Persistence in any of the above offences against discipline shall, after admonition by the Professor, be reported to the Dean of Faculty. The Dean may, at his discretion, reprimand the student, or refer the matter to the Faculty at its next meeting, and may in the interval suspend from classes.
- 4. Absence from lectures can only be excused by necessity or duty, of which proof must be given, when called for, to the Faculty. The number of times of absence, from necessity or duty, that shall disqualify from the keeping of a session shall in each case be determined by the Faculty.
- 5. Any student found guilty of dishonest practices at an examination shall be liable to expulsion from the University, or to be suspended for a term of years.
- 6. While in college, or going to or from it, Students are expected to conduct themselves in the same orderly manner as in the class-rooms. Smoking is prohibited in the College buildings, except in such rooms, if any, as may be set apart for that purpose. Any Professor observing improper conduct in the College buildings or grounds may admonish the student, and, if necessary, report him to the Dean. Without as well as within the walls of the College, every student is required to maintain a good moral character.
- 7. When students are brought before the Faculty under the above rules, the Faculty may reprimand, report to parents or guardians, impose fines, disqualify from competing for

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prizes or honours, suspend from classes, or report to the Corporation for expulsion.

8. Any student damaging the furniture or buildings will be required to bear the expense of repairing or making good the same, and will, in addition, be subject to such other penalty as the Faculty may see fit to inflict. If individual responsibility for damage cannot be traced, a pro rata assessment may be made on all the students more directly concerned.

9. All cases of discipline involving the interests of more than one Faculty, or of the University in general, shall be immediately reported to the Principal, or, in his absence, to the Vice-Principal.

10. Petitions from the students to any University body on any subject can, in general, be taken into consideration only at the regular meetings appointed in the Calendar.

CONDUCT OF EXAMINATIONS.

- 1. The supervision of the examinations of the University is entrusted largely to officers specially appointed from year to year in sufficient numbers for the purpose. An attendant is present in the Examination Hall throughout each examination.
- 2. Examination papers are provided in the form of books, with covers in special colours. Each book contains a statement of the duties of candidates, and to each is attached a small envelope containing a card or slip for the name of the candidate.
- 3. Each colour has a number, and only one colour is employed at a given examination. A certain scheme of colours is arranged beforehand for the whole period of the examination.
- 4. The seating of the students is arranged in advance, and is posted at the entrance of the Hall fifteen minutes before the commencement of the examination.
- 5. The Faculty or a Committee of the Faculty concerned, will arrange for at least one examiner and such other paid examiners as are deemed necessary to be present in the Hall

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er paid e Hall for each examination; and will also arrange the scheme of seating and books to be used.

Duties of Examiners.

6. All examiners are expected to attend strictly to the supervision of the examinations while they are in the Hall.

7. They shall instruct each candidate to write the number of his table on the outside of his book; to write his name plainly upon the card provided in the envelope on the book; to replace it and seal the envelope.

After this has been done, the examination papers are distributed. Any candidate entering late will be required to sign his card and close the envelope before receiving the examination paper.

The examiners shall also call the attention of the candidates to the rules printed upon the envelope.

8. During the course of the examinations the examiner shall verify the position of each candidate in the examination hall according to a plan.

9. For the convenience of candidates, the examiners may announce the time when half of the period allowed for the examination has expired; and also at thirty minutes and five minutes before the close.

Duties of Candidates.

10. Before beginning to write on the examination, candidates should write their names plainly on the slip provided in the envelope, and enclose it, fastening the envelope, and write the number of their desk or table plainly on the cover of the examination book.

11. No candidate shall be permitted to enter the examination room after the expiry of one-half hour, or leave it before the expiry of one-half hour, from the commencement of the examination. Any candidate leaving the examination room after the issue of the examination papers in any subject, shall not be permitted to return during the course of that examination.

12. Candidates guilty of any of the following or similar dishonest practices shall be immediately dismissed from the examination, and shall be liable to permanent disqualification for membership in McGill University:—

A. Making use of any books, papers, or memoranda, other than those provided by the examiners.

B. Speaking or communicating with other candidates under any circumstances whatever.

C. Exposing written papers to the view of other candidates.

The Plea of Accident or Forgetfulness shall not be Received.

13. Candidates shall write their answers on the right hand pages of the Regulation Answer Book provided for the purpose by the University, entering on the margin nothing but the number or letter of the question they are about to answer. The left-hand page may be used for rough drafts or for scribbling purposes. No other paper than the regulation answer book above mentioned shall be used by the candidates, and no pages removed from the books.

14. Candidates are not permitted to leave their places. Should they desire anything, they may signify it by standing up.

15. When the examiner announces that the examination is over, all candidates must leave the hall. On leaving the hall, the examination books must be deposited by the candidates as directed by the examiners.

UNIVERSITY BUILDINGS.

THE CENTRE BUILDING.

This building, the first and oldest building of McGill College, contains the lecture-room of the Faculty of Arts and the Botannical Laboratories in the centre. The East Wing contains the newly equipped Zoological Laboratories, the offices of the Administration, and the lecture-rooms of the Faculty of Law. The West Wing comprises the Molson Convocation and Examination Hall and the Corporation Meeting-room.

The Botanical Laboratories are described in detail on pp. 110, 111; the Zoological Laboratories on pp. 111, 112.

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The Engineerin William C. Massevere treatment ture-rooms, stude technical museum, models—believed contains large and boratories; dynam boratories of Matling, Testing, and erected under the pentry, Wood-turn Foundry; etc.

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equipment is given

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Admirable facilit Mining Building f of Chemistry. The Sir William C. M by hot water, and in the basement a lecture-room, which three large general laboratories and ro in Inorganic and (graphy. Among t for Organic Chem Gas Analysis, Iron Determinative Min

A detailed descri given on pp. 109, 1 The Mining and and Mining buildin ing, Metallurgical, rooms; Library; D atories is of full s all respects under v

THE MACDONALD ENGINEERING BUILDING

The Engineering Building, erected, equipped and endowed by Sir William C. Macdonald, represents, in architectural effect, a severe treatment of the Italian renaissance. Besides numerous lecture-rooms, students' rooms, a departmental library, and a large technical museum, which holds the Reuleaux collection of Kinematic models—believed to be the most complete in America, the building contains large and thoroughly equipped electrical and magnetic laboratories; dynamo rooms; lighting station; accumulator room; laboratories of Mathematics, Dynamics, Mechanics, Geodesy, Modelling, Testing, and Thermodynamics; workshops (in the annex erected under the bequest of the late Thomas Workman) for Carpentry, Wood-turning, and Pattern-making; Machine shops; Smithy; Foundry; etc.

The whole of one floor is given up to Drawing-rooms, and the Museum of the building contains a large collection of casts illustrative of the historical development of the various styles of architecture and of casts of architectural and figure sculpture.

A detailed description of the laboratories and workshops and their equipment is given on pp. 171 et seq.

MACDONALD CHEMISTRY AND MINING BUILDING.

Admirable facilities are afforded in the Macdonald Chemistry and Mining Building for study and research in the various departments of Chemistry. The building, also erected, equipped and endowed by Sir William C. Macdonald, is spacious, admirably lighted, heated by hot water, and ventilated by means of electric fans, one placed in the basement and two in the attic. In addition to the main lecture-room, which seats about 250 students, the building contains three large general Chemical Laboratories, and a number of smaller laboratories and rooms for special purposes, including research work in Inorganic and Organic Chemistry and in Mineralogy and Petrography. Among the special laboratories may be mentioned those for Organic Chemistry, Physical Chemistry, Electrolytic Analysis, Gas Analysis, Iron and Steel Analysis, Water Analysis, Photography, Determinative Mineralogy, etc.

A detailed description of the laboratories and their equipment is given on pp. 109, 110.

The Mining and Metallurgical Laboratories are in the Chemistry and Mining building, and comprise Mining and Ore-dressing, Milling, Metallurgical, Assay and wet assaying laboratories; Lecture-rooms; Library; Drawing-room; etc. The machinery of these laboratories is of full size, and all investigations can be carried out in all respects under working conditions.

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A detailed description of the laboratories and their equipment is given on pp. 181-184.

THE MACDONALD PHYSICS BUILDING.

The Macdonald Physical Laboratory, another of Sir William C. Macdonald's gifts to the University, contains five storeys, each of 8,000 square feet area. Besides a lecture theatre and its apparatus rooms, the Building includes an elementary laboratory nearly 60 feet square; large special laboratories arranged for higher work by advanced students in Heat and Electricity; a range of rooms for optical work and photography; separate rooms for private thesis work by students; and two large laboratories arranged for research, provided with solid piers and the usual standard instruments. There are also a lecture room, with apparatus room attached, for Mathematical Physics, a special physical library, and convenient workshops. The equipment is on a corresponding scale, and comprises: (1) apparatus for illustrating lectures; (2) simple forms of the principal instruments for use by the students in practical work; (3) the most recent types of all important instruments for exact measurement, to be used in connection with special work and research.

A detailed description of the laboratories and their equipment is given on pp. 107, 108.

MEDICAL BUILDINGS.

The present main building of the Faculty of Medicine was erected in 1873. In 1885, and again in 1893, large additions and alterations were made to the buildings. These again, however, have proved inadequate, and a thorough reconstruction and enlargement of the buildings is about to be undertaken, a subscription of One Hundred Thousand Dollars having been generously made to this end by the Chancellor of the University in the name of Lady Strathcona and Hon. Mrs. Howard. The present buildings comprise several large lecture theatres, a large reading-room, managed by the students themselves; a fine medical library; dissecting-rooms; and a large number of completely equipped laboratories for Physiology, Histology, Pharmacology, Chemistry, and Pathology, in addition to numerous museums, preparation rooms, and offices. Clinical teaching is conducted in the theatres, wards, out-patient rooms, and laboratories of the Montreal General Hospital, the Royal Victoria Hospital, and the Montreal Maternity Hospital.

A detailed description of the laboratories and museums is given in pp. 217, 258.

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Full particulars on pp. 118-125.

The lecture-room Comparative Medic Avenue, where ho out-door practice if farms also afford of A detailed descri

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THE ROYAL VICTORIA COLLEGE FOR WOMEN.

This residential college for the Women Students of McGill University, erected and endowed by Lord Strathcona and Mount Royal, is situate on Sherbrooke Street, in close proximity to the University buildings and laboratories. The Professors and Lecturers of the University are thereby enabled to give their services in the conduct of the College classes.

Full particulars of the College, terms of residence, etc., are given on pp. 118-125.

VETERINARY COLLEGE.

The lecture-rooms, laboratories and pharmacy of the Faculty of Comparative Medicine and Veterinary Science are situate in Union Avenue, where hospital and daily clinics are held. An extensive out-door practice in the largest stables of the city and numerous farms also afford opportunities for clinical observation.

A detailed description of the laboratories and museums is given

THE UNIVERSITY LIBRARY.

Librarian:—Charles H. Gould, B.A. Assistant Librarian:—Henry Mott.

In the autumn of 1893, the general library was moved to the noble building erected by the late Mr. Peter Redpath. The building affords ample accommodation for two hundred readers, the reading room being exceptionally spacious and convenient. The latter is open in the evening, and contains a reference library and leading English and Foreign periodicals.

Mrs. Peter Redpath, of the Manor House, Chislehurst, Kent, is, with great munificence, about to undertake an important extension to the Library building, which will further improve the facilities already offered in this department.

Mrs. Redpath's contemplated gift provides not merely a large new book stack, but also additional seminary rooms and commodious quarters for a special Law Library.

The various Libraries of the University now contain upwards of 78,000 volumes, and a large number of pamphlets.

The books have been selected with a view to illustrating the several courses of University study. They are, therefore, to a considerable extent, general in character; and the Committee endeavours to provide for the symmetrical growth of the entire library.

There are, however, several large special collections, besides the departmental libraries. The late Mr. Peter Redpath was, for years

before his death, engaged in forming the REDPATH HISTORICAL COL-LECTION. This is still being added to by Mrs. Peter Redpath, is now of great value, and affords unusual opportunities for the study of English History. An important feature of the collection is a series of 3,500 political and religious tracts, which date from 1601 to about the middle of the present reign.

Abundant materials, bearing upon the History of Canada, have been gathered together. Of these the nucleus is formed by the entire library of the late Mr. Frederick Griffin, whose choice books were, some years ago, bequeathed to the University. This branch of the library is being steadily augmented.

The Medical Library, directly controlled by the Faculty of Medicine, is the largest of the departmental libraries, and is one of the most complete collections of its kind in the Dominion.

About 190 current periodicals, literary and scientific, are subscribed for through the various departments of the University. Besides these, the library regularly receives Serials, Transactions and Proceedings of Societies. The list of both periodicals and serials is being extended yearly.

Although the library is maintained primarily for members of the University, the Corporation has provided for the admission, upon certain conditions, of such persons as may be approved by the Library Committee. It is the desire of the Committee to make the library as useful to the entire community as is consistent with the safety of the books and the general interests of the University.

Extract from the Library Regulations.

- I. During the College Session the Library is open daily (except Sundays and general public holidays), from 9 a.m. till 5 p.m.; and the Reading Room from 9 a.m. till 6 p.m., and also from 7.30 till 10.30 p.m. On Saturdays, both Library and Reading Room close at 5 p.m. During vacations, both Library and Reading Room close at 5 p.m., and on Saturdays at 1 p.m.
- 2. Students in the Faculty of Arts, of Law, and of Applied Science are entitled to read in the Library, and may borrow books (subject to the regulations) to the number of three volumes at one time.
- 3. Students in the Faculties of Medicine or Comparative Medicine, who have paid the Library fee to the Bursar, may read in the Library, and on depositing the sum of \$5 with the Bursar, may borrow books on the same conditions as Students in other Faculties. They are required to present their Matriculation Tickets to the Bursar and to the Librarian.

- 4. Graduates in are entitled to the conditions as Stud
- 5. Books may be charged at the De ally must sign and desired.
- 6. Books in the Reading Room; a turned promptly b
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Mediin the borrow They sar and 4. Graduates in any of the Faculties, on making a deposit of \$5, are entitled to the use of the Library, subject to the same rules and conditions as Students in Arts, Law, or Applied Science.

5. Books may be taken from the Library only after they have been charged at the Delivery Desk; borrowers who cannot attend personally must sign and date an order, giving the titles of the books desired.

6. Books in the Reference Library must not be taken from the Reading Room; and, after they have been used, they must be returned promptly by readers to their proper places upon the shelves.

7. Before leaving the Library, readers must return the books they have obtained to the attendant at the Delivery Desk.

8. All persons using books remain responsible for them so long as the books are charged to them, and borrowers returning books must see that their receipt is properly cancelled.

Writing or making any mark upon any book belonging to the Library is unconditionally forbidden. Any person found guilty of wilfully damaging any book in any way shall be excluded from the Library, and shall be debarred from the use thereof for such time as the Library Committee may determine.

10. Damage to or loss of books, maps, or plates, and injury of Library fixtures, must be made good to the satisfaction of the Librarian and of the Library Committee.

Damage, loss, or injury when the responsibility cannot be traced will be made good out of the caution money deposited by students with the Bursar.

II. Should any borrower fail to return a book upon the date when its return is due, he may be notified by postal card of his default, and be requested to return the book. If the loan is not renewed, or the book returned, after a further delay of at least three days, it may be sent for by special messenger, at the borrower's expense.

12. Before the close of the session, Students in their final year must return uninjured, or replace to the satisfaction of the Librarian, all books which they have borrowed.

13. Silence must be strictly observed in the Library.

14. Infringement of any of the rules of the Library will subject the offender to a suspension of his privileges, or to such other penalty as the nature of the case may require.

The Peter Redpath Museum.

This building was erected in 1882 by the liberal benefactor whose name it bears. It occupies a commanding position at the upper end of the campus, and besides its central hall and other rooms devoted to the collections, contains a large lecture theatre, class-rooms, and work-rooms.

The general arrangement of the collections is as follows:-

1. The Botanical Room on the ground floor contains the Herbarium, consisting of 30,000 specimens of Canadian and exotic plants and collections illustrating structural and economic botany.

2. On the first floor is a room over the entrance hall, in which are cases containing archaeological and ethnological objects with large slabs of fossil foot-prints on the walls.

3. This room opens into the great Museum Hall, on each side of which are alcoves with upright and table cases containing the collections in Palaeontology, arranged primarily to illustrate the successive geological systems, and subordinately to this, in the order of zoological and botanical classification, so as to enable the student to see the general order of life in successive periods, and to trace any particular group through its geological history.

4. At the extreme end of the Hall are placed the collections of minerals and rocks, arranged in such manner as to facilitate their systematic study. In the centre of the Hall are economic collections and large casts and models.

5. In the upper story or gallery of the great Hall are placed the zoological collections; the invertebrate animals in table cases in regular series, beginning with the lower forms; the vertebrate animals in upright cases, in similar order. The Philip Carpenter Collection of shells is especially noteworthy for its arrangement and completeness.

Details as to the several departments of the Museum are given in the "Museum Guide," and papers or memoirs relating to type specimens in the collections can be obtained from the Museum Assistant. Tickets are issued to students by the Professors in charge of the several departments, and classes of pupils from schools can be admitted on certain days, under regulations which may be learned from the Professors or from the Registrar of the University.

OBSERVATORY.

Latitude, N. 45° 30' 17". Longitude, 4° 54^m 18^s 67. Height above sea level, 187 feet.

Superintendent-C. H. McLEOD, MA. E.

The Observatory in which courses of instruction are given in the

use of meteorological ate at the head Meteorological pressure, wind veself-recording in a.m., 3 p.m., and

The principal barometers; one Callendar thermo elli thermometers mometer; one se ling clock, batter, mograph with ba spectroscope and

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use of meteorological instruments and in astronomical work, is situate at the head of the University campus.

Meteorological observations.—Records of temperature, atmospheric pressure, wind velocity and direction, and sunshine are obtained by self-recording instruments. Check observations are made at 7,40 a.m., 3 p.m., and 7,40 p.m. on standard instruments.

The principal instruments employed are two standard mercurial barometers; one Richard barograph; one Richard thermograph, one Callendar thermograph; one Kew standard thermometer; two Pastorelli thermometers; one maximum thermometer; one minimum thermometer; one set of six self-recording thermometers, with controlling clock, battery, etc.; two anemometers; one wind vane; one anemograph with battery, etc.; one sunshine recorder; one rain-band spectroscope and one rain guage.

The Anemometer and Vane are on the summit of Mount Royal, at a point about three-quarters of a mile north-west of the Observatory. They are 57 feet above the surface of the ground and 810 feet above sea level.

Soil temperatures are observed, in co-operation with the Physical Laboratory, by means of platinum thermometers at depths ranging from one inch to nine feet.

The astronomical equipment consists of:—The Blackman Telescope (6¼ in.); a photoheliograph (4½ in.); a 3¼ in. transit with striding level, etc.; a prismatic (8cm.) transit instrument also arranged as a zenith telescope; a 2 in. transit in the prime vertical; two collimating telescopes; one sidereal clock; one mean time clock; one sidereal chronometer; one mean time chronometer; one chronograph; batteries, telegraph lines, and sundry minor instruments.

Observations for clock errors are made on nearly every clear night. Time exchanges are regularly made with the Toronto observatory. Time signals are distributed throughout the city by means of the noon time-ball, continuous clock-signals, and the fire-alarm bells; and to the country, through the telegraph lines.

The longitude of the Observatory was determined in 1892 by direct telegraph connection with Greenwich, with exchange of observers and instruments. The position is believed to be the most accurately determined in America.

GYMNASIUMS.

The University Gymnasium.

Medical Examiner and Instructor: -R. TAIT MCKENZIE, B.A., M.D.

The classes, which are open to men Students of all the Faculties, will meet at the University Gymnasium at hours to suit, as far as

possible, the convenience of Students, and to be announced at the commencement of the Session.

The recent addition of some special apparatus enables the instructor to devote some attention to the application of exercise in treating special cases of weakness or deformity, which should be reported to him before the regular class work is undertaken.

THE WICKSTEED SILVER AND BRONZE MEDALS FOR PHYSICAL CULTURE (the gift of Dr. R. J. Wicksteed) are offered for competition to Students of the graduating class and to Students who have had instruction in the Gymnasium for two sessions; the silver medal to the former, the bronze medal to the latter.

The award of these medals is made by Judges, appointed by the Corporation of the University.

Every competitor for the silver medal is required to lodge with the Judges, before the examination, a certificate of good standing in the graduating class signed by the Dean or Secretary of the Faculty to which he belongs, and the medal will not be awarded to any Student who may fail in his examination for the degree.

The Royal Victoria College Gymnasium.

Instructor: - MISS VENDLA M. HOLMSTROM.

Classes for Women Students are conducted in the newly equipped Gymnasium of the Royal Victoria College, see page 79.

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II. S

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I. REGULATIONS FOR ENTRANCE.

See pp. 8-18.

II. SCHOLARSHIPS AND EXHIBITIONS. General Regulations.

- 1. A Scholarship is tenable for two years; an Exhibition for one year.
- 2. Scholarships are open for competition to Students who have passed the University Intermediate Examination, provided that not more than three sessions have elapsed since their Matriculation; and also to Candidates who have obtained what the Faculty may deem equivalent standing in some other University, provided that application be made before the end of the Session preceding the examination.
- 3. Scholarships are divided into two classes:—(I) Science Scholarships; (2) Classical and Modern Language Scholarships The subjects of examination for each are as follows:—

Science Scholarships.—Mathematics.—Differential and Integral Calculus; Analytic Geometry; Plain and Spherical Trigonometry; Higher Algebra and Theory of Equations. Natural Science—Botany; Chemistry; Logic. (For details, see p. 44.)

Classical and Modern Language Scholarships.— Greek, Latin, English Compositions; English Language and Literature; French or German. (For details, see p. 44.)

4. Exhibitions are assigned to the First and Second Years.

First Year Exhibitions are open for competition to candidates for entrance into the First Year.

Second Year Exhibitions are open for competition to Students who have passed the First Year Sessional Examinations, provided that not more than two sessions have elapsed since their Matriculation; and also for candidates for entrance into the Second Year.

The subjects for examination are as follows:-

First Year Exhibitions.—Classics, Mathematics, English Language and Literature, French, or German.

Second Year Exhibitions.—Classics, Mathematics, English and Modern History, French or German.

- 5. The First and Second Year Exhibition Examinations will, for Candidates who have not previously entered the University, be regarded as Matriculation Examinations.
- 6. No student can hold more than one Exhibition or Scholarship at the same time.
- 7. Exhibitions and Scholarships will not necessarily be awarded to the candidates who have obtained the highest marks. An adequate standard of merit will be required.
- 8. If in any College Year there be not a sufficient number of candidates showing adequate merit, any one or more of the Exhibitions or Scholarships offered for competition may be given to more deserving candidates in another year.
- 9. A successful candidate must, in order to retain his Scholarship or Exhibition, proceed regularly with his College Course to the satisfaction of the Faculty.
- 10. The annual income of the Scholarships or Exhibitions will be paid in four instalments, viz.:—In October, December, February and April, about the 20th day of each month.
- 11. The Examinations will be held at the beginning of every session.

For the session of 1900-1901 there are thirty-five Scholarships and Exhibitions, including the following:—

- The Jane Redpath Exhibition, founded by Mrs. Redpath, of Terrace Bank, Montreal:—value, about \$90 yearly, open to both men and women.
- The Macdonald Scholarships and Exhibitions, founded by Sir W. C. Macdonald, Montreal:—value \$125 each, yearly.
- The Charles Alexander Scholarship, founded by Charles Alexander, Esq., Montreal, for the encouragement of the study of Classics and other subjects:—value \$90 yearly.
- The George Hague Exhibition, given by George Hague, Esq., Montreal, for the encouragement of the study of Classics:—value \$125 yearly.
- The Major H. Mills Scholarship, founded by bequest of the late Major Hiram Mills:—value \$100 yearly.
- The Barbara Scott Scholarship, founded by the late Miss Barbara Scott, Montreal, for the encouragement of the study of the Classical languages and literature:—value, \$100 to \$120 yearly.

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Two Donalda Exhibitions, open to women:—value \$100 and \$120 yearly.

One Donalda Scholarship:-value, \$125 yearly.

Ottawa Valley Graduates' Society Exhibition, awarded on the results of the June Examination.

The Sir William Dawson Exhibition, given by the New York Graduates' Society:-value \$60.

And fifteen others, ranging from \$90 to \$200 each.

First Year Exhibitions.

The First Year Exhibition Examinations will be held at Mc-First Year Gill College, Montreal; and also at any of the following centres, provided that application in writing be made to the Secretary of the Board of Matriculation Examiners by intending candidates not later than September 1st, viz.—

Exhibitions.

Toronto, Kingston and Ottawa, Ont.; Halifax, N.S.; St. John, N.B.; Charlottetown, P.E.I.; Winnipeg, Victoria and Vancouver, B.C.; St. John's, Nfld.

No application received after September 1st will be considered.

All the other Entrance, Exhibition and Scholarship Examinations of September, 1900, will be held at McGill College only.

Twenty-one Exhibitions will be offered for competition to Students entering the First Year in September, 1900, viz:-

Two of \$200 each.

Two of \$200 open to women only, conditional on residence in the Royal Victoria College.

Three of \$150

66 Five of \$125 open to men only.

Two of \$100 open to candidates offering a second Modern Language instead of Greek, see

Three of \$100 open to women only.*

Three of \$100 open to women only, conditional on residence in the Royal Victoria College.*

One of \$ 90

[*One or more of these exhibitions may be given to candidates entering the Second Year. A modern Language may be substituted for Greek.]

The following are the requirements in the various subjects of examination:—

Latin.—A paper on Latin Grammar; Translation at sight from easy Latin authors; easy Latin Prose Composition; Translation from the following prescribed books:—

- 1900 (a) Cæsar, De Bello Gallico, I and II, or V and VI.
 - (b) Virgil, Aeneid I, or II, or V, or VI.
 - (c) Cicero, in Cat. III, IV, or Horace, Odes III, or Tacitus, Agricola.
- 1901 (a) Cæsar, De Bello Gallico, II and III.
 - (b) Virgil, Aeneid II.
 - (c) Horace, Odes I, or Cicero, in Cat. I, II.
- 1902 (a) Cæsar, De Bello Gallico, IV and V.
 - (b) Virgil, Aeneid II.
 - (c) Horace, Odes I, or Cicero, in Cat. III, IV.

Greek.—A paper on Greek Grammar; Translation at sight from easy Greek authors; easy Greek Prose Composition; Translation from the following prescribed books:—

- 1900 (a) Xenophon, Anabasis I, or III, or III, or Hellenica I.
 - (b) Homer, Odyssey XV.
 - (c) Euripides, Hecuba (Sidgwick's Scenes), or Homer, Iliad I or VI, or in lieu of (b) and (c) together, Sophocles, Ajax.
- 1901 (a) Xenophon, Anabasis I, or II.
 - (b) Homer, Odyssey XV.
 - (c) Euripides, Hecuba (Sidgwick's Scenes), or Homer, Iliad I, or VI.
- 1902 (a) Xenophon, Anabasis I, or II.
 - (b) Homer, Odyssey XVII.
 - (c) Euripides, Hecuba (Sidgwick's Scenes), or Homer, Iliad I, or VI.

In both Latin and Greek, candidates who do not offer the books prescribed above will have the option of an additional paper in Composition and Translation at Sight.

Text-books.—Sonnenschein's or Rutherford's Greek Grammar, or Burnet's Greek Rudiments, or White's First Greek Book; Abbott's Arnold's Greek Prose Composition; Sonnenschein's or Allen and Greenough's Latin Grammar; Arnold's Latin Prose Composition by Bradley, or Collar's Latin Composition, Pts. III and IV.

Mathematics.—Euclid, Bks. I, II, III, IV, with easy deductions; "Algebra, as in Mathematics, Part I (p. 13), with the addition of the three Progressions; Arithmetic.

English.—Gr. be required, and development of words. The car Elements of Eng West by using (Macmillan), at to be read are with the addit poems, ed. Bell aulay:—Ranke's Dumont's Recoltion.—The candid ject connected w

French.—(a) C sight of French lish prose passas texts:—

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eductions; ion of the English.—Grammar.—An advanced knowledge of this subject will be required, and, in addition, some acquaintance with the historical development of English, as illustrated in common and important words. The candidate is recommended to read Mason's or West's Elements of English Grammar and expected to supplement Mason or West by using Morris's Historical Outlines of English Accidence (Macmillan), as a book of reference. Literature.—The works to be read are those selected for the Matriculation Examination with the addition of Milton's L'Allegro and other short poems, ed. Bell (Macmillan), and the following essays of Macaulay:—Ranke's History of the Popes; Frederick the Great; with either Dumont's Recollections of Mirabeau, or the Essay on Clive. Composition.—The candidate will be required to write an essay on some subject connected with the literature prescribed.

French.—(a) Grammar, including Syntax; (b) Translation at sight of French into English; (c) Translation at sight of easy English prose passages into French; (d) Translation from the following texts:—

For 1900, Pailleron, Le Monde où l'on s'ennuie; P. Loti, Pages choisies (chez A. Colin, Paris); About, Le Roi des Montagnes; or, if one month's notice be given, candidates may substitute for the foregoing texts those prescribed for the Senior Matriculation Examination of the University of Toronto, or of Dalhousie University, and for the Leaving Examinations of Nova Scotia.

For 1901 and 1902, SARCEY, Le Siège de Paris (Heath & Co.); SANDEAU, Mademoiselle de la Seiglière (Heath & Co.); ABOUT, Le Roi des Montagnes (Heath & Co.); or, if one month's notice be given to the Secretary of the Board of Matriculation Examiners, candidates may substitute for the foregoing texts those prescribed for the Senior Matriculation Examination of the University of Toronto, or, of Dalhousie University, and for the Leaving Examinations of Nova Scotia.

or, instead of French:

German.—(a) Grammar, Accidence and Syntax (as much as is contained in JOYNES-MEISSNER or VAN DER SMISSEN); (b) Translation at sight from German into English; (c) Translation at sight into German of an easy passage of English prose; (d) Translation and grammatical study of the following texts:—

For 1900, Joynes, German Reader; Baumbach, Der Schwiegersohn (Heath & Co.); Benedix, Plautus und Terenz, and Die Sonntagsjäger (Heath & Co.); Auerbach, Brigitta (Ginn & Co.); For 1901 and 1902, Sudermann, Der Katzensteg (Heath & Co.); Schiller, Wilhelm Tell

(Macmillan & Co.); GERSTAECKER, Germelshausen (Heath & Co.); or, if one month's notice be given to the Secretary of the Board of Matriculation Examiners, candidates may substitute for the foregoing texts those prescribed for the Senior Matriculation Examination of the University of Toronto or of Dalhousie University, and for the Leaving Examinations of Nova Scotia.

The First Year Exhibitions will be awarded to the best candidates in the above subjects provided there be absolute merit.

But in subsequently distributing the Exhibitions of higher value among the successful candidates, work in the following subjects will be taken into account also:—

- 1. Higher Composition, and Translation at Sight (Latin and Greek).
- 2. Mathematics.—The remainder of the Additional Mathematics, (Part II); see p. 13.
- 3. Englis: :—Henry Morley's First Sketch of English Literature, chaps. VII and VIII.

NOTE.—The First Year Exhibition Examination will be regarded as an Entrance Examination.

SPECIAL NOTICE FOR 1900-1901.

In 1900 two of the above Exhibitions, of \$100 each, will be awarded to candidates who offer a second Modern Language in place of Greek. Such candidates will, in addition to the subjects mentioned in the Exhibition Circular already issued, and also above pp. 41, 42, be examined on (a) Higher Composition; (b) one of the two following lists of texts. Candidates are required to notify the Secretary of the Board of Matriculation Examiners, at least one month before the date of examination, in which language they intend to take the advanced paper.

French - Moliere, Les Précieuses Ridicules; Victor Hugo, Les Misérables (Ginn & Co.); Halevy, L'Abbé Constantin.

German.—Freytag, Soll und Haben (Ginn & Co.); BAUMBACH, Waldnovellen (Heath & Co.); Goethe, Sessenheim (Heath & Co.).

Texts equivalent in difficulty to the foregoing will be accepted, if notice be given at least one month before the day of examination to the Secretary of the Board of Matriculation Examiners.

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Greek —Luci thiacs I and II;

Latin.—Virg Bk. XXI.

Greek and Lati A paper on Great-books.—Me Prose Compositi Latin Prose, Vol.

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Second Year Exhibitions.

Nine Exhibitions will be offered to Students entering the Second Year, viz.: One of \$140, six of \$125, one of \$100 (three of these being open to women) and one of \$200, open to women only, conditional on residence in the Royal Victoria College.

Greek —Luciani Vera Historia (Jerram); Demosthenes, Olynthiacs I and II; Euripides, Medea.

Latin .—Virgil, Georgics, Bk. I; Horace, Odes, Bk. IV; Livy, Bk. XXI.

Greek and Latin Prose Composition, and Translation at sight.

A paper on Grammar and History.

Text-books.—Meyers' Ancient History; Abbott's Arnold's Greek Prose Composition, or Sidgwick's First Greek Writer; Ramsay's Latin Prose, Vol. I.

Mathematics — Euclid (six books); Casey's Sequel to Euclid; Algebra (HALL AND KNIGHT'S Advanced); Theory of Equations (in part); Trigonometry (as in ordinary course of First Year).

English and Modern History—Language.—Trench, Study of Words. Literature.—Spenser, Faerie Queene, Bk. I, ed. Percival (Macmillan); Tennyson, Selections from Tennyson, ed. Rowe and Webb (Macmillan). History.—Church, The Beginning of the Middle Ages (Epochs of Modern History, Longmans). Composition.—The candidate will be required to write an essay on some subject connected with the literature or history prescribed.

French. ((a) Grammar; (b) Translation at sight of an English passage into French; (c) brief French Composition on a prescribed subject; (d) a critical study of the following texts, tested by questions in the French language, to be answered in French:—

For 1900, V. Hugo, Ruy Blas; Balzac, Les Chouans; Michelet, Pages choisies (chez A. Colin, Paris); Daudet, Jack.

Or, instead of French:-

German.—(a) German Grammar (an amount equal to Joynes-Meissner, Accidence and Syntax); (b) Translation at sight from German into English, and of an easy English passage into German; (c) a critical study of Hermann and Dorothea, with the lives of Schiller and Goethe; (d) Translation from the following texts:—

For 1000, Goether Hermann and Dorothea: Haller Der Zwerg

For 1900, Goethe, Hermann and Dorothea; Hauff, Der Zwerg Nase (Heath & Co.); Riehl, Der Fluch der Schönheit (Heath & Co.);

and Benedix, Die Hochzeitsreise (Heath & Co.); Schiller, Der Neffe als Onkel; Baumbach, Die Nonna (Heath & Co.).

No Candidate who has been placed in the Third Class in more than one subject can be awarded a Second Year Exhibition.

To Students Entering the Third Year, three Scholarships of \$125 each, and two others of \$100 and \$90 are offered for Competition.

Scholarships Science. Two of these are offered in Mathematics and Logic, one of the two being for women only, and one in Chemistry and Logic (in 1900) or in Biology and Logic (in 1901.)

Mathematics.—Differential Calculus (WILLIAMSON, Chaps. 1, 2, 3, 4, 7, 9; Chap. 12, Arts. 168-183 inclusive; Chap. 17, Arts. 225-242 inclusive). Integral Calculus (WILLIAMSON), Chaps. 1, 2, 3, 4, 5; Chaps. 7, Arts. 126-140 inclusive; Chap. 8, Arts. 150-156 inclusive; Chap. 9, Arts. 168-176 inclusive. Analytic Geometry (Salmon), Conic Sections, subjects of chaps. 1-13 (omitting Chap. 8), with part of Chap. 14. Lock, Higher Trigonometry; McLelland and Preston, Spherical Trigonometry, Part I. Salmon, Modern Higher Algebra (first four chapters). Todhunter or Burnside and Panton, Theory of Equations (selected course).

Logic, as in Jevons' Elementary Lessons in Logic.

Chemistry.—Mendelieff, "The Principles of Chemistry." An Essay will be required on the Chemistry of Water and its Compounds.

Intending Candidates should consult the Professors of Chemistry with regard to the details of the chemical work.

Classics and Modern Languages.

The two remaining Scholarships [viz., the Barbara Scott, \$100 and the Charles Alexander \$90] are offered in Classics and Modern Languages:—

Greek.—PLATO, Purves, Selections, pp. 1-21, 55-112 (Clarendon Press); THUCYDIDES, Book VI (Marchant, Macmillan); SOPHOCLES, Antigone (Jebb, Pitt Press; or Campbell and Abbott, Clarendon Press).

Prose Composition and Translation at Sight.

Latin.—Horace, Epistles, Book I (Wilkins, Macmillan); CICERO, Pro Plancio (Auden, Macmillan); VIRGIL, Aeneid, Bk. VI (Sidgwick, Pitt Press), SALLUST, Catiline; CICERO, Select Letters (Abbott, Ginn & Co.).

Prose Composition and Translation at Sight.

Ancient Histor mans); How and (Longmans).

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Ancient History.—Text-books.—OMAN, History of Greece (Longmans); How and Leigh, History of Rome to the Death of Cæsar (Longmans).

English and History.—Literature.—Shakspere, Tempest, ed. Deighton (Macmillan); Milton, Paradise Lost, Bks. I and II, ed. Macmillan (Macmillan); Lamb, Essays of Elia, ed. Hallward and Hill (Macmillan). History.—Myers, Mediaeval and Modern History (Ginn), Part I. Composition.—The candidate will be required to write an essay on some subject connected with the literature or history prescribed. High marks will be given for this subject.

French.—(a) Lanson, Littérature française (18th and 19th Centuries); (b) Candidates will be questioned on the subject matter of the following texts, the lives of their authors, and the literary schools which they represent. The entire examination will be held in the French language:—

For 1900, V. Hugo, Préface de Cromwell; DE Musset, Les Nuits; DE VIGNY, Cinq Mars; Moliere, Le Misanthrope; Racine, Britannicus.

Or, instead of French:-

German.—(a) German Grammar; (b) Translation at sight from English into German; (c) Critical study of the lives of Goethe and Schiller and of their works contained in the appended list; (d) Translation from the following texts:—

For 1900, Schiller, Die Braut Von Messina, Egmont's Leben und Tod (in Ginn & Co.'s edition of Goethe's Egmont), die Kraniche des Ibycus, Das Lied von der Glocke, Der Kampf mit dem Drachen; Immermann, Der Oberhof (Wagner, Pitt Press); Goethe, Egmont (Ginn & Co.); Dichtung und Wahrheit (Heath & Co.); Meyer, Gustav Adolf's Page (Heath & Co.).

III. REGULATIONS FOR DEGREES IN ARTS.

REGULATIONS FOR THE DEGREE OF B.A.

After passing the First Year Matriculation Examination, an Undergraduate, in order to obtain the Degree of B.A. or B.Sc., is required to attend regularly the appointed courses of lectures for four years, and to pass the required Examinations

in each year. He cannot proceed with his course unless he passes each Examination in its assigned order. Failure in the First or Second Year in more than two subjects, and in the Third Year in more than one, will entail the passing at the beginning of the following session, of a Supplemental Examination, which shall include all the subjects of the previous Sessional Examination. Failure in one subject at this Supplemental shall necessarily cause the loss of the session. Undergraduates are arranged in Years, from First to Fourth, according to their academic standing.

1. Ordinary Course for the Degree of B.A.

N.B.—The Arabic numerals refer to the numbering of the courses on pp. 66-106; for example, Greek, 2, refers to the second course given under the head of Classical Literature and History, p. 66.

First Year.

First Year.

Greek, 1, or Latin, 1.
English, 1A, 1B.
History, 1.
Mathematics, 1.
Latin, 1, or Greek, 1, or French, 1, 2, or German, 1.
Physics, 2.

French cannot be taken as a qualifying option in the First Year, except by students who have passed the Matriculation Examination in French.

A second Modern Language may be taken as an extra subject in the first three years. Credit will be given for it on application to the Faculty.

Advanced Sections. With a view to the encouragement of higher work, advanced sections will be formed in all subjects as far as practicable, and in these Honours may be awarded. Permission to take an advanced section is granted by the professor.

Students taking the work of advanced sections may be excused from the work of the corresponding ordinary sections on the recommendation of the professor. No exemptions from other subjects will be granted to students in advanced sections. Engl Latir Gre Mat

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Advanced Sect

The subjects of following division:

LANGUAGE and LITERATURE

English, 3A or 3 3C. Latin, 3, 4. Greek, 3, 4. Sanskrit, 1A, 1B. French, 5, 6. German, 3, 4. Semitic Language 2, 3. Comparative Phil logy (half course 1A, 1B.

From the above each student in the

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Second Year.

Second Year.

English, 2A, 2B. Latin, 2, or Greek, 2.

Greek, 2, or Latin, 2, or French, 3, 4, or German, 2. Mathematics, 3A, including Dynamics, 3B, or Elementary Biology, 1, and Dynamics, 3B. Any Three. Chemistry, 1, Laboratory work in addition. Logic and Psychology, 1. Hebrew, 1.

A second Modern Language may be taken as an extra subject in the first three years. Credit will be given for it on application to the Faculty.

Advanced Sections will be formed in the Second Year, as in the First.

Advanced Sections.

Third and Fourth Years.

(New Curriculum.)

The subjects of the Third and Fourth Years are arranged in the following divisions:-

LANGUAGE and	HISTORY,	
LITERATURE.	PHILOSOPHY and	
English SA or SR.	LAW.	

3C.Latin, 3, 4. Greek, 3, 4. Sanskrit, 1A, 1B. French, 5, 6. German, 3, 4. Semitic Languages, Comparative Philology (half course), 1A, 1B.

History, 2. Logic and Metaphysics, 3. Moral Philosophy,2, 5, 6. Political Science, 2. Economics, 1. Roman Law, 1. Constitutional Law and History, 1, 2. Art (history of) and Archaeology, (2 half courses), 1. History of Philoso-phy (half course), 4, 7.

SCIENCE.

Mathematics, 4. Mechanics, Geometrical, 6A, 6B. Optics, and Astronomy (2 half courses), 5A, 5B. Physics: Sound, Light, Heat (full course), 7A, 7B, 7C. Electricity and Magnetism (full course), 8. Chemistry, 2, 3, 5. Zoology, 2. Botany, 2, 3. Geology, 1. Physiology) In the Faculty of Anatomy

Medicine. From the above divisions six courses are to be selected by each student in the Third and Fourth Years, three in each year.

Each will be studied in lecture courses extending over not more than four hours per week, with collateral reading, and, in the case of the science subjects, Laboratory work. One subject chosen in the Third Year must be continued by every student in his Fourth Year; two subjects may be continued if application to that effect be granted by the Faculty or the Advisory Committee of the Faculty. Of the whole six courses, one must be chosen by all candidates from the list of subjects (other than Mathematics) included under the head of Science, except in cases where Chemistry or Biology has been selected as an option in the Second Year.

In order to differentiate the B.A. curriculum from that laid down for the B.Sc. (Arts), candidates for B.A. are debarred from selecting more than three out of their six courses from the Science Division. Free options are allowed in all other cases (except as far as regards the selecting of at least one subject from the Science Division), subject to approval by the Faculty, or the Advisory Committee of the Faculty.

In addition to the six courses, a course of one hour a week in English Composition must be taken by every Undergraduate in the Third and Fourth Years.

*Fourth Year.

(Old Curriculum.)

Greek, 4, Latin, 4 (Optional—instead of Greek).

Moral Philosophy, 5, 6.

Mathematical Physics, 6A. (Optional-instead of Astronomy).

(In addition to the above, the student will take one subject from Div. (a), as below, a second from Div. (b) and a third from either. Subjects together with their laboratory courses, viz.:—Botany, Zoology, Chemistry, Physics, Geology and Mineralogy, shall in each case count as two courses, except in the case of Candidates for Honours in these subjects.)

Div. a.

Greek, 4. If Latin has been taken.

Latin, 4. If Greek has been taken.

English Literature, 4.

French, 6. If Third Year French has been taken.

German, 4. If Third Year German has been taken.

Hebrew, 3.

Astronomy a Physics ha Experiment Botany, 3. Zoology (Spa Geology, 1.

N.B.—Students Optics, and Expetions, unless they Year.

For details of et seqq.

A Candidate of the First C must not only three-fourths of Class standing Second Class in

Notes on the

Fourth Year S distinct subjects is subject only, toge or in any other such Additional (rules, however, theen placed in the preceding Session according to stan

The Additional the amount of w Division.

(For details of For arrangeme Science to take the (Applied Science)

^{*}The subjects of the Fourth Year stand as in the old curriculum. They will be changed in 1901.

Div. b.

Astronomy and Optics, 5A, 5B. If Third Year Mathematical Physics has been taken.

Experimental Physics, 8.

Botany, 3.

Zoology (Special course for 1900-1901).

Geology, 1.

N.B.—Students claiming exemptions cannot count Astronomy with Optics, and Experimental Physics as subjects for the B.A. Examinations, unless they have taken the Mathematical Physics of the Third Year.

For details of each subject, see Courses of Lectures, p. 66 et segg.

A Candidate who seeks to obtain an Ordinary B.A. Degree of the First Class must fulfil the following conditions: he must not only obtain the required aggregate of marks (viz., three-fourths of the maximum), but he must also obtain First Class standing in three of the departments, and not less than Second Class in the remainder.

Notes on the Ordinary Course for B.A.—[Old Curriculum.]

Fourth Year Students are not restricted to the choice of two Additional distinct subjects in one of the above divisions. They may select one Courses. subject only, together with an additional course in the same subject, or in any other of the subjects which they have chosen, in which such Additional Course may be provided by the Faculty; the above rules, however, must be complied with, and Students must have been placed in the First Class in the corresponding subject at the preceding Sessional Examination, viz.:—Intermediate or Third Year, according to standing.

The Additional Course is intended to be more than equivalent, in the amount of work involved, to any of the other subjects in the Division.

(For details of Additional Courses provided, see pp. 51, 62; 66-106.) For arrangements enabling Students in Medicine or Applied Science to take the course in Arts also, and obtain B.A., with B.Sc. (Applied Science), or M.D., in six years, see pp. 57, 58.

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2. Ronour Courses.

Honours of First, Second, or Third Rank will be awarded to successful candidates in any Honour Course established by the Faculty, provided they have passed creditably the ordinary Examinations in all the subjects proper to their year.

No Undergraduate is permitted to attend the Honour lectures unless (a) he has been placed in the First Class in the subject at the preceding Sessional Examination, if there be one; (b) has satisfied the Professor that he is otherwise qualified; and (c) while attending lectures makes progress satisfactory to the Professor. In case his progress is not satisfactory, he may be notified by the Faculty to discontinue attendance.

A candidate for Honours must take the Ordinary Course in the subject in which he is reading for Honours.

Honour lectures are open to all Partial Students who can satisfy the Professor of their fitness to proceed with the work of the course. Such students will not be ranked with Undergraduates in the Examination lists.

No student is allowed to attend two Honour Courses without the special permission of the Faculty.

Candidates for Honours in the Third Year.

A Candidate for Honours in the Third Year, in order to obtain exemptions, must have taken a First Class at the Ordinary Sessional Examinations in the subject in which he proposes to compete for Honours, or a First or Second Class in the Advanced Section of that subject; must stand higher than Third Class in not less than half of the remaining subjects, and have no failure in any subject. In addition to the Ordinary subject specified above, he is required to take a second Ordinary subject, to be chosen from any division.

Candidates for B. A. Honours.

A student who has taken First or Second Rank Honours in the Third Year, and desires to be a Candidate for B.A. Honours, shall be required to attend two only of the courses of lectures given in the ordinary departments (but see note on Honour Biology, p. 52), and to pass the two corresponding examinations only, at the ordinary B.A. Examination. After 1901, a candidate for B.A. Honours is required to take only one subject in the Ordinary Course, viz., that in which he is reading for Honours. A Candidate, however, who at

the B.A. Examilation allowed credit for the examiners coil is sufficient to j

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THIRD YEAR HO FOURTH YEAR H the B.A. Examinations obtains Third Rank Honours, will not be allowed credit for these exemptions at the end of the Session, unless the examiners certify that his knowledge of the whole Honour Course is sufficient to justify it.

Note.—For subjects of Ordinary Course, see pp. 66-106.

Honour and Additional Courses.

Students who intend to graduate with Honours in any of the following Departments are strongly recommended to take the Advanced Sections of the Department in the First and Second Years, where such are provided.

(N.B.—The numbers which stand after the Academic years refer to the corresponding numbers of the Courses given on pp. 66-106.

1. Classical Literature and History.

THIRD YEAR HONOURS. Greek, 5.
Latin, 5.
FOURTH YEAR HONOURS. Greek, 6.
Latin, 6.

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2. English Language and Literature.

THIRD YEAR HONOURS, p. 76.
FOURTH YEAR HONOURS. (Old Curriculum), p. 77.

3. History.

THIRD YEAR HONOURS, 3, 4.

Modern Languages: French and German.

4. French.

THIRD YEAR HONOURS, 7 or 8; 9. FOURTH YEAR HONOURS, 7 or 8; 9.

5. German.

THIRD YEAR HONOURS, 5 or 6; 7. FOURTH YEAR HONOURS, 5 or 6; 7.

6. Semitic Languages.

THIRD YEAR HONOURS, 4a and 4b.
THIRD YEAR ADDITIONAL, 4b without Literature.
FOURTH YEAR HONOURS,, 5a and 5b.
FOURTH YEAR ADDITIONAL, 5b without Literature.

7. Mental and Moral Philosophy.

THIRD YEAR HONOURS, 8. FOURTH YEAR HONOURS, 9, 10.

8. Mathematics and Natural Philosophy.

THIRD YEAR HONOURS, 11, 12. FOURTH YEAR HONOURS, 8, 13, 14.

9. Experimental Physics.

THIRD YEAR HONOURS, 7, 8, 9, 15. FOURTH YEAR HONOURS, 16.

10. Geology and Mineralogy.

THIRD YEAR HONOURS, Mineralogy, 1, 3. FOURTH YEAR HONOURS, Mineralogy, 2. FOURTH YEAR HONOURS, Geology, 2, 3, 4, 5, 6.

11. Chemistry.

THIRD YEAR HONOURS, 3, 5.
FOURTH YEAR HONOURS, 4, 6.
Courses a (Second Year) and 7 (Fourth Year)

Courses 2 (Second Year) and 7 (Fourth Year) are optional.

12. Biology.

THIRD YEAR HONOURS,

Botany, 4.
Zoology, 2, 3.

FOURTH YEAR HONOURS,

Botany, 5.
Zoology, 4.

With the Honour Course in Biology only one ordinary course is required.

Students proceeding to Honours Biology in the Third and Fourth Years will take Chemistry and Biology in the Second Year, one half course of Organic Chemistry in the Third Year, and one half course of Geology in the Fourth Year.

3. Ordina

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> English two Logic one-tl French; Ger Mathematics

4. After pa date for a B. merated unde curriculum. cording as he matico-physica geological.

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3. Ordinary Course for the Degree of B.Sc. (Arts.)

First Year.

The English, French, German, Mathematics and Physics of the ordinary B.A. Course.

Second Year.

English two-thirds of the B.A. course in Second Year, p. 74. Logic one-third of the B.A. course in Second Year, p. 89. French; German; Chemistry; pp. 80, 83, 96.

Mathematics or Botany of 3rd Year; or Zoology of 3rd Year.

4. After passing the Intermediate examination, the candidate for a B. Sc. degree will specialize in the subjects enumerated under the "Science" group of options in the B. A. curriculum. His choice of subjects will be determined according as he may intend to follow mainly the line of mathematico-physical studies or physico-chemical or biological, or geological.

5. Examinations.

(A) College Examinations.

For Students of McGill College only.

1. There are two examinations in each year, viz., at Christmas and at the end of the Session. Successful students are arranged in three classes at the Sessional examinations.

Christmas Examinations will be held in all the subjects of the First and Second Year, and are obligatory on all Undergraduates, and also on all Partial Students intending to gain undergraduate standing. Candidates who fail in courses of the First and Second Years, terminating at Christmas, will be required to pass at the Sessional Examinations on an extra paper in the subject in which they have failed.

Christmas Examinations in the Third or Fourth Years

· may be held at the option of the Professors.

In the Fourth Year only, there is no Sessional Examination; the University Examination for B.A. or B.Sc. takes its place.

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- 2. Undergraduates who fail in one subject at the Sessional Examinations of the First or of the Second Year are required to pass a Supplemental Examination therein in the following September. Should they fail in this Examination, they must in the following Session attend the Lectures and pass the Examination in the same subject, in addition to the regular course, or pass the Examination only, without attending Lectures, at the discretion of the Faculty.
- 3. Failure in two or more subjects at the Sessional Examinations of the First or of the Second Year, or in one subject at the Third Year Sessional Examinations, involves the loss of the Session. The Faculty may permit the student to recover his standing by passing a Supplemental Examination at the beginning of the following Session.
- 4. Examinations Supplemental to the Sessional Examinations will be held in September, simultaneously with the Matriculation Examinations.
- 5 A list of those to whom the Faculty may grant Supplemental Examinations in the following September will be published after the Sessional examination. The time for the Supplemental Examination will be fixed by the Faculty; the examination will not be granted at any other time, except by special permission of the Faculty, and on payment of a fee of \$5.

(B) University Examinations.

I. For the Degree of B.A.

After passing the Matriculation Examination at entrance, candidates for the Degree of Bachelor of Arts must pass each of the four Sessional Examinations, including the Intermediate Examination at the end of the Second Year. Under the provisions of the new curriculum, the Third and Fourth Year Sessional Examinations constitute the Final.

1. Matriculation Examination - the subjects are stated on pp. 9-16.

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2. Intermediate Examination—the subjects are as follows:

(a) English;

(b) Greek or Latin;

- (c) Latin or Greek or a Modern Language.
- (d) Mathematics, including Dynamics or Elementary Biology and Dynamics.

Any three

- (e) Chemistry.(f) Logic and Psychology.
- (g) Hebrew.

English.—The course for the second year. See p. 74.

Greek.—Thucydides "The Siege of Platæa" (Sing, Rivingtons), and "The Retreat from Syracuse" (Rouse, Rivingtons); Homer, Odyssey IX (Edwards, Pitt Press); Sophocles, Ajax (Jebb, Rivingtons or Campbell and Abbott, Clarendon Press); Prose Composition and Translation at sight of Greek (easy narrative) into English. General questions will also be set,—in History, on the Period of Athenian Supremacy, Cox's Athenian Empire, (Longmans' Epochs of Ancient History), with Abbott's Pericles (Putnams), and in Literature on the outlines as contained in Jebb's Primer of Greek Literature (pp. 1 to 100), (Macmillan), with Quintilian, X, ch. 1, §§ 37-84.

A paper will also be set early in October on the Summer Readings, Luciani Vera Historia (Jerram, Clarendon Press): See p. 66.

Latin Livy (Dimsdale, Pitt Press); Quintilian X, ch. 1, §§ 37-131 (Peterson, Clarendon Press, smaller edition); Horace, Wickham's Selected Odes (Clarendon Press); Latin Prose Composition and Translation at sight of Latin into English History; The last century of the Republic, B.C. 133-31; as in Beesley's "The Gracchi," "Marius and Sulla" (Longmans' Epoch Series), and "The Roman Triumvirates" (Merivale, Longmans' Epoch Series). Literature: Wilkins' Primer (Macmillan); with Quintilian X, 1, §§ 37-131 (as above).

A paper will also be set early in October on the Summer Readings, Virgil Georgics I: See p. 70.

Mathematics — Arithmetic, Euclid, Books I., II., III., IV., VI. and defs. of Bk. V.—Algebra, including Quadratic equations;

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the three Progressions; Ratio, Proportion and Variation; Permutations and Combinations; Scales of Notation; Logarithms; Interest and Annuities; Elements of Determinants; Geometrical Conic Sections.—Solid Geometry. (Euclid, Bk. XI., and first two Props. of Bk. XII. or equivalent); Spherical Trigonometry.

Dynamics — Projectiles; Impact; Simple Harmonic Motion; Simple and Compound Pendulum; Energy of Rotation.

Chemistry.—The course for the second year. See p. 96.

Logic and Psychology—The course for the second year. See p. 89. Hebrew.—The course for the second year.

Final Examination

3. For the Final or B. A. Ordinary Examination (old curriculum) the subjects appointed are the obligatory subjects of the Third and Fourth Years, viz., Latin or Greek; Mathematical Physics (Mechanics and Hydrostatics, or Astronomy and Optics); Moral Philosophy; and those three subjects which the Candidate has selected in the Third and Fourth Years. (See p. 47.)

Greek.—Plato, Protagoras; Aeschylus, Cheophoroi; Composition and Translation at Sight; paper on the Constitutional History of Athens, Greek Literature and Antiquities. A Paper will also be set in October on the Summer Readings,—Merriam's "The Phaeacians of Homer" (Harpers. See p. 68.)

Latin.—Lucretius, V. (Duff, Pitt Press); Pliny, Selected Letters (Westcott, Allyn and Bacon); Tacitus, Histories I. (Davies, Pitt Press). Composition and Translation at Sight. History of the Roman Empire to the reign of Domitian. A paper will also be set in October on the Summer Readings, Horace, Epistles II, with De Arte Poetica. See p. 71.

Mathematical Physics—Mechanics and Hydrostatics, as in Loney's Mechanics and Hydrostatics; or Optics and Astronomy, as in GALBRAITH and HAUGHTON or BRINKLEY.

Mental and Moral Philosoph—Murray's Introduction to Ethics.

Natural Science.—(a) Mineralogy and Geology. See p. 102; or (b)

Botany. See p. 100; or (c) Zoology. See p. 101; cr (d)

Practical Geology and Palaeontology (Additional). See
p. 103; or (e) Practical Chemistry (Additional). See p. 97.

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6. Regulatio

1. Undergraduataken all the Or Chemistry of the sional studies in Degrees of B.A. years, may be ex Mathematics of Chemistry of the 2. They are al Fourth Years in 3. They may co courses:—

I. In the Third

- (a) Physics o
- (b) Either on the hear
- (c) Either on

II. In the Fourth

- (a) Physics o
- (b) One of the "Science"
- (c) One hour been tal

^{*}NOTE.—Studen

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(d) See - 97. Experimental Physics—Electricity and Magnetism. (See courses of Lectures, p. 95.)

English Literature.—The course for the Fourth Year. See p. 75.

French.—The course for the Fourth Year. See p. 81.

German .- The course for the Fourth Year. See p. 84.

Hebrew.—Isaiah I to X; LIII; LV; Psalms LXVI to LXXI.

Grammar, Syntax; Reading of the Masoretic notes, the
Septuagint Version and the Vulgate. Translation at sight.

6. Regulations for Courses in Arts leading into the Professional Faculties.

Arts and Applied Science.

I. Undergraduates beginning the Third Year in Arts who have taken all the Ordinary Mathematics of the first two years, and the Chemistry of the Second Year, and who wish to pursue their professional studies in the Faculty of Applied Science so as to obtain the Degrees of B.A. and B.Sc. (App. Sc.) within the following four years, may be exempted by the Faculty of Applied Science from the Mathematics of the First Year in Applied Science and from the Chemistry of the Second Year.

2. They are allowed to distribute the course of the Third and Fourth Years in Arts over three years.

3. They may complete the Arts curriculum by taking the following courses:—

I. In the Third Year:-

- (a) Physics of Third Year.
- (b) Either one or two of the courses which are not placed under the heading "Science" in the Arts curriculum.
- (c) Either one or two hours weekly in English Composition.*

II. In the Fourth Year:-

- (a) Physics of Fourth Year.
- (b) One of the courses which are not placed under the heading "Science" if only one has been taken in the Third Year.
- (c) One hour weekly in English Composition, if only one has been taken in the Third Year.

^{*}NOTE.—Students are recommended to distribute their English work over two years.

(a) The Mathematics of the Second Year Applied Science (6 hours weekly as 1½ courses).

III. In the Fifth Year:-

The Mathematics of the Third Year Applied Science (2 hours weekly as a half course), or another course under the heading "Science" in the Arts curriculum.

Arts and Medicine.

I. Undergraduates beginning the Third Year, who have taken the Chemistry and Biology of the Second Year, and who wish to pursue their professional studies in the Faculty of Medicine so as to obtain the Degrees of B.A. and M.D. within the following four years, may be exempted by the Faculty of Medicine from the subjects of Chemistry and Physics, and Biology in the First Year of the Faculty of Medicine.

2. They may complete the Arts curriculum by taking the following courses:—

I. In the Third Year:-

- (a) Anatomy and Practical Anatomy, Histology and Physiology, of First Year Medicine.
- (b) Either one or two of the courses which are not placed under the heading "Science" in the Arts curriculum.
- (c) Either one or two hours weekly in English Composition.*

II. In the Fourth Year:-

- (a) Anatomy and Practical Anatomy, Histology, Physiology, Chemistry, of Second Year Medicine.
- (b) One of the courses which are not placed under the heading "Science" if only one has been taken in the Third Year.
- (c) One hour weekly in English Composition, if only one has been taken in the Third Year.*

Arts and Law.

Students intending to go forward to the Faculty of Law are recommended to include in their Third and Fourth Years Arts, such subjects as Constitutional Law and History, Economics, Political Science, and Roman Law.

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3. Students of double course in the Third and Fo curriculum in Ar whole course in

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Literate in Arts—A certificate of "LITERATE IN ARTS" will be given along with the professional degree in Medicine or Applied Science, to those who have completed two years' study in the Faculty of Arts, and have passed the prescribed examinations.

Students of the University attending affiliated Theological Colleges.

1. These students are subject to the regulations of the Faculty of Affiliated Arts in the same manner as other students.

2. The Faculty will make formal reports to the governing body cal Colleges.

2. The Faculty will make formal reports to the governing body of the Theological College which such students may attend as to:—(1) their conduct and attendance on the classes of the Faculty; and (2) their standing in the several examinations; such reports to be furnished after the Examinations, if called for.

3. Students of affiliated Theological Colleges who are pursuing a double course in Arts and Divinity (six years at least) will take in the Third and Fourth Years the courses which constitute the ordinary curriculum in Arts, less a half course in each of these Years, or a whole course in either.

7. Medals, Prizes, Classing, and Certificates.

1. Gold Medals will be awarded in the B.A. Honour Examinations to Students who take the highest Honours of the First Rank in the subjects stated below, and who shall have passed creditably the Ordinary Examinations for the Degree of B.A., provided they have been recommended therefor to the Corporation by the Faculty on the report of the Examiners:—

The Henry Chapman Gold Medal for Classical Languages and Literature:

The Prince of Wales Gold Medal for Mental and Moral Philosophy.

The Anne Molson Gold Medal for Mathematics and Natural Philosophy.

The Shakspere G.ld Medal for the English Language and Literature.

The Logan Gold Medal for Geology, Mineralogy and Palaeontology.

The Major Hiram Mills Gold Medal for a subject to be chosen by the Faculty from year to year.

In addition to the above, certain medals are offered annually by the Alliance Française, at the discretion of the Department of Modern Languages.

If there be no candidate for any Medal, or if none of the candidates fulfil the required conditions, the Medal will be withheld, and the proceeds of its endowment for the year may be devoted to prizes in the subject for which the Medal was intended. For details, see announcement of the several subjects below.

- 2. Special Certificates will be given to those Candidates for B.A. who have been placed in the First Class at the ordinary B.A. Examination; have obtained three-fourths of the maximum marks in the aggregate of the studies proper to their year; are in the First Class in not less than half the subjects, and have no Third Class. At this examination, no Candidate who has taken exemptions (see pp. 57, 58) can be placed in the First Class unless he has obtained First Class in four of the departments in which he has been examined, and has no Third Class.
- 3. Certificates of High General Standing will be granted to those Undergraduates of the first two years who have obtained three-fourths of the maximum marks in the aggregate of the studies proper to their year, are placed in the First Class in not less than half the subjects, and have not more than one Third Class. In the Third Year the conditions are the same as for the Special Certificate for B.A.
- **4. Prizes or Certificates** will be given to those Undergraduates who have distinguished themselves in the studies of a particular class, and have attended all the other classes proper to their year.
- 5. Graduates who attend lectures in any subject, and pass the corresponding Examinations therein, may obtain certificates of their standing, whether the course in question be Ordinary, Advanced or Honour.
- 6 His Excellency the Earl of Minto has been pleased to offer annually during his term of office a Gold Medal

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- (2) The course of Third and Fourth Ye (3) The successful
- writing both language (4) There shall be both the Third and Fo
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has been pleased a Gold Medal

for the study of Modern Languages and Literature, or for First Rank General Standing, as may be announced.

(a) The Regulations for the Gold Medal if awarded for Modern Languages and Literature are as follows:—

(1) The subjects for competition shall be the French and German languages and literatures.

(2) The course of study shall extend over two years, viz., the Third and Fourth Years.

(3) The successful Candidate must be capable of speaking and writing both languages correctly.

(4) There shall be examinations in the subjects of the course in both the Third and Fourth Years, at which Honours may be awarded to deserving Candidates.

(5) The general conditions of competition and the privileges as regards exemptions shall be the same as for the other Gold Medals in the Faculty of Arts.

(6) Students from other Faculties shall be allowed to compete, provided they pass the examinations of the Third and Fourth Years in the above subjects.

(7) Candidates desiring to enter the Third Year of the Course, who have not obtained first-class standing at the Intermediate or Sessional Examinations of the Second Year in Arts, are required to pass an examination in the work of the first two years of the Course in Modern Languages, if called on to do so by the Professors.

(8) The subjects of examination shall be those of the Honour Course in Modern Languages.

(b) The Regulations for the Gold Medal, if awarded for First Rank General Standing, are as follows:—

(1) The successful Candidate must take no exemptions or substitutions of any kind, whether Professional or Honour, in the Orlinary B.A. Examinations.

(2) He shall be examined in the following subjects:-

(a) Classics (both languages); (b) Mechanics, Hydrostatics, Optics, Astronomy; (c) Moral Philosophy; and any two of the following subjects, or any one of them with its Additional Course; (d) Geology, etc.; (e) Experimental Physics; (f) English; (g) French; (h) German.

(3) His answering must satisfy special conditions laid down by

(4) The same Candidate cannot obtain the Gold Medal for First Rank General Standing and also a Gold Medal for First Rank

- 6. The Neil Stewart Prize of \$15 is open to all Undergraduates and Graduates of this University, and also to Graduates of any other University, who are students of Theology in some College affiliated to this University. The rules which govern the award of this prize are as follows:—
- (1) The Candidate must pass, in the First Class, a thorough examination upon the following subjects: Hebrew Grammar; reading and translation at sight from the Pentateuch, and from such poetic portions of the Scriptures as may be determined.

(2) There will be two Examinations of three hours each—one in Grammar and the other in Translation and Analysis.

(Course for the present year: Hebrew Grammar (Gesenius; Translation and Analysis of Exodus; Isaiah XL. to the end of the book.)

(3) In case competitors should fail to attain the above standard, the prize will be withheld, and a prize of \$30 will be offered in the following year for the same.

This Prize, founded by the late Rev. C. C. Stewart, M.A., and terminated by his death, was re-established by the liberality of the late Neil Stewart, Esq., of Vankleek Hill.

- 7. Early English Text Society's Prize.—This prize, the annual gift of the Early English Text Society, will be awarded for proficiency in the subjects of the language group in the English Honour curriculum of the Third and Fourth Years.
- 8. New Shakspere Society's Prize.—This Prize, the annual gift of the New Shakspere Society, open to Graduates and Undergraduates, will be awarded for a critical knowledge of the following plays of Shakspere:—

Hamlet; Macbeth; Othello; King Lear.

9. Charles G. Coster Memorial Prize. —This Prize, intended as a tribute to the memory of the late Rev. Chas. G. Coster, M.A., Ph.D., Principal of the Grammar School, St. John, N.B., is offered by Colin H. Livingstone, B.A., to Undergraduates (men or women) from the Maritime Provinces, Nova Scotia, New Brunswick and Prince Edward Is-

and. In April, 190 duate of the First, Provinces, who, in t most satisfactory Seditions laid down by

10. Annie McInton \$425, subscribed by Annie M. McIntosh of the Royal Victori work as the Faculty

11. Science Schols mission for the Ext of the value of £1; rare instances, three the Report of the Co (such as Physics, M of which is specially Their object is not but "to enable studer with the view of aidithe industries of the

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12. The names of ficates or Prizes wil mention, in the case Years, of the schools been received.

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. -This Prize, ine late Rev. Chas. G. rammar School, St. vingstone, B.A., to the Maritime Prov-Prince Edward Is-

5 is open to all Under and. In April, 1901, it will be awarded to that Undergraersity, and also to Grad- duate of the First, Second or Third Year, from the above e students of Theology Provinces, who, in the opinion of the Faculty, has passed the rsity. The rules which most satisfactory Sessional Examinations, under certain conditions laid down by the donor.

> 10. Annie McIntosh Prize.—The income of the sum of \$425, subscribed by the pupils and friends of the late Miss Annie M. McIntosh, will be offered as a prize to students of the Royal Victoria College in such subject or for such work as the Faculty may determine.

11. Science Scholarships Granted by Her Majestv's Commission for the Exhibition of 1851. These scholarships of the value of £150 a year are tenable for two or, in rare instances, three years. They are limited, according to the Report of the Commission, "to those branches of Science (such as Physics, Mechanics and Chemistry) the extension of which is specially important for our national industries." Their object is not to facilitate ordinary collegiate studies, but "to enable students to continue the prosecution of science with the view of aiding in its advance or in its application to the industries of the country."

Four nominations to these scholarships have already been placed by the Commissioners in 1891, 1893, 1895 and 1897 at the disposal of McGill University, and have been awarded.

When nominations are offered, they are open to Students of not less than three years standing in the Faculty of Arts or of Applied Science, and are tenable at any University or at any other Institution approved by the Commission.

12. The names of those who have taken Honours, Certificates or Prizes will be published in order of merit, with mention, in the case of Students of the First and Second Years, of the schools in which their preliminary education has been received.

IV. SUMMER CLASSES.

During the months of May and June, a series of SUMMER CLASSES will be conducted, intended mainly in the first instance, to meet the requirements of students in the first two years of their course. The subjects offered are English, Latin, Greek, Mathematics, Logic, French, and German. A fee of ten dollars will be exigible for each course; or students may compound for any four courses by payment of an inclusive fee of twenty-five dollars.

V. FEES.

All fees and fines are payable to the Bursar.

The fees must be paid to the Bursar, and the receipts shown to the Dean within a fortnight after the commencement of attendance in each session. In case of default, the student's name will be removed from the College Books, and can be replaced thereon only by permission of the Faculty, and on payment of a fine of \$2.

Undergraduates matriculated before May, 1898, and Partial Students who have entered the affiliated Theological Colleges before May, 1898, and are pursuing the curricula of such Colleges, are subject to the old scale of fees.

1. Undergraduates and Conditioned Students. — \$61 per session. This will include the fee for Laboratory work, Library, Gymnasium and Athletics, and Graduation. In the Third and Fourth Years, it will cover the normal amount of practical instruction given in each subject having a Laboratory Course.

Matriculation fee for entrance into the Second Year, \$10, in addition to the sessional fee.

- 2. Partial Students.—(First and Second Years.)—\$16 per session for one course of lectures, including the use of the Library; \$12 per session for each additional course. In addition there will be a fee of \$3 for Athletics.
- 3. Partial Students.— (Third and Fourth Years)—\$25 per session for one course of lectures, including the use of the Library and Athletics; \$20 per session for each additional course.

N.B.—The lectures in one subject in any one of the four College years constitute a "Course."

Partial Students taking the full curriculum in any one year pay the same fees as Undergraduates in that year.

4. Graduates in Arts of this University are allowed, on payment of one-half of the usual fees, to attend all lectures, except those for which

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a special fee is exigible. For Bachelors of Arts proceeding to M.A. by taking for one year a graduate course of study, the fee is \$40. This will cover Laboratory work.

5. Caution Money.—Every student is required to deposit with the Bursar the sum of \$5 as caution money for damage done to furniture, apparatus, books, etc.

Special Fees.

ELOCUTION (optional)	\$5	00
GYMNASIUM (for partial students), optionai	2	50
SUPPLEMENTAL EXAMINATION, at the regular date fixed by		
the Faculty	2	00
SUPPLEMENTAL Examination, when granted at any other time		
than the regular date fixed by the Faculty	5	00
CERTIFICATE OF STANDING, if granted to a student on ap-		
plication	I	CO
CERTIFICATE OF STANDING, if accompanied by a statement of		
classification in the several subjects of examination	2	00

All applications for certificates must be addressed to the Registrar of the University, accompanied by the required fee.

No certificates are given for attendance on lectures unless the corresponding examinations have been passed.

In the Third and Fourth Years, under the old regulations, a special fee of ten dollars is charged for laboratory courses (optional) in Botany, Chemistry, Physics, and Zoology. A fee of five dollars is charged for the laboratory course (optional) in Petrography.

All fees for Supplemental Examinations must be paid to the Bursar, and the receipts shown to the Dean before the examination.

All fines are applied to the purchase of books for the Library.

VI. COURSES OF LECTURES.

Classical Literature and History.

Professors:—W. Peterson, M.A., LL.D.
Frank Carter, M.A.
Associate Professor:—A. J. Eaton, M.D., Ph.D.

Lecturers:—S. B. Slack, M.A.; H. N. Sanders, M.A.

In this department, the work of the first two years is divided mainly between exercise in Grammar and Composition and the read-

ing of selected authors. The attention of the student is at the same time directed to the collateral subjects of History, Literature, Antiquities, and Geography, in connection with which various text-books are recommended, as specified below.

In the Third and Fourth Years (as also in the Honour Courses) the instruction takes more of the lecture form, and an attempt is made to give a connected view of the leading branches of ancient literature, and the most important phases of ancient life and thought.

Students may be examined on the whole of the work prescribed for each class, even though it may not have been overtaken in lecture.

Subjects are suggested for Summer Readings in the various branches of class work. Students are strongly recommended to undertake these subjects during their long vacation, and credit will be given for them at an examination held in the first week of October.

Students are also recommended to devote some part of the vacation to the subjects set down under the heads of History and Literature, which will form part of the Sessional Examinations.

Greek.

Ordinary First Year.

I. In this class, besides a review of grammatical principles (Rutherford's Greek Grammar, Accidence), portions of some Greek authors—e. g., Xenophon, Homer, Herodotus, Lucian and Euripides—are read and explained.

For 1900-1901, the work will be Isocrates, ad Demonicum (Sandys, Rivingtons); Homer, Odyssey XXI (Edwards, Pitt Press); Euripides, Heracleidae (Beck and Headlam, Pitt Press). For Composition, the manual used will be North & Hillard's Greek Prose Composition (Rivingtons); for Translation at Sight, written and oral, Turner's Latin and Greek Passages (Longmans).

History.—From B. C. 560 to 479, Cox's "Greeks and Persians" (Longmans' Epoch Series).

Four hours a week.

Second Year. 2. The work of the Second Year will be selected mainly from the Greek Dramatists, and from Thucyddes, Plato or Demosthenes.

Subjects for 1900-1901:-

SUMMER READINGS.—Luciani Vera Historia (Jerram, Clarendon Press). Students are also recommended to work through some portion of Burnet's Greek Rudiments (Longmans).

Sessional Lectures.—Thucydides, "The Siege of Plataea" (Sing, Rivingtons) and "The Retreat from Syracuse" (Rouse, Rivingtons); Homer, Odyssey IX (Edwards, Pitt Press); Sophocles, Ajax (Jebb, Rivingtons, or Campbell & Abbott, Clarendon Press). The practice

of Composition and North & Hillard's Jerram's Anglice R HISTORY.-The A (Longmans' Epoch LITERATURE.—Ou Literature, pp. 1-10 Four hours a wee The following boo first two years of th lehose): Jebb's Prin in Murray, Jevons (in part); Oman's I of Greek Antiquitie (Macmillan); Ruthe or Sonnenschein's Rudiments.

Students should p tiquus.

3. In the Session come into operation of the subjects which the Third and Fou will thus be given to selected authors, at Sight, short court the departments of I ties. Where possible such other means at time of the Class (electure-courses.

For the Session I

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- b. HISTORY, LITERA delivered on tw (1) Early Gre
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ocrates, ad Demonicum II (Edwards, Pitt Press); lam, Pitt Press). For rth & Hillard's Greek uslation at Sight, written es (Longmans).

"Greeks and Persians"

selected mainly from the ATO or DEMOSTHENES.

oria (Jerram, Clarendon work through some por-ns).

Siege of Plataea" (Sing, e" (Rouse, Rivingtons); Sophocles, Ajax (Jebb, on Press). The practice of Composition and Translation at Sight will be continued as before; North & Hillard's Greek Prose Composition (Rivingtons), and Jerram's Anglice Reddenda (First Series).

HISTORY.—The Athenian Supremacy; Cox's "Athenian Empire" (Longmans' Epoch Series), with Abbott's "Pericles" (Putnam).

LITERATURE.—Outlines as contained in Jebb's Primer of Greek Literature, pp. 1-100, with Quintilian X, cn 1 §§ 37-84.

Four hours a week.

The following books are recommended for general use during the first two years of the course:—Jebb's Introduction to Homer (Maclehose); Jebb's Primer of Greek Literature, supplemented by readings in Murray, Jevons or Mahaffy; Gow's Companion to School Classics (in part); Oman's History of Greece (Longmans); Mahaffy's Primer of Greek Antiquities; and Tozer's Primer of Classical Geography (Macmillan); Rutherford's Greek Grammar (Accidence and Syntax); or Sonnenschein's (Parallel Grammar Series), or Burnet's Greek Rudiments.

Students should provide themselves also with Kiepert's Atlas Antiquus.

3. In the Session 1900-1901, the provisions of the new curriculum come into operation for the Third Year. Under these Greek is one of the subjects which may be offered as one of the six courses during the Third and Fourth Years together. The increased time which will thus be given to it will make it possible to add to the reading of selected authors, and the practice of Composition and Translation at Sight, short courses of lectures on subjects of general interest in the departments of History, Philosophy, Literature, Art and Antiquities. Where possible, these will be illustrated by lantern-slides, or such other means as may be convenient. One fourth of the whole time of the Class (i.e., one hour a week) will be devoted to such lecture-courses.

For the Session 1900-1901, the course will be as follows:-

- a. Summer Readings.—Sophocles, Antigone (Jebb, Pitt Press, or Campbell & Abbott, Clarendon Press).
- b. HISTORY, LITERATURE, ART AND ANTIQUITIES.—Courses will be delivered on two of the following three:—
 - (1) Early Greece-12 Lectures.
 - (2) An outline sketch of Greek Literature-12 Lectures
 - (3) Greek Life in the time of Pericles—12 Lectures
- c. Authors.—Herodotus VIII (Shuckburgh, Pitt Press); Aeschy-Lus, Cheophoroi (Sidgwick, Clarendon Press); Plato, Protagora (Adam, Pitt Press).

Third Year. 3. For practice in Composition, Sidgwick's Introduction to Greek Prose will be used; for Translation at Sight, Tod and Longworth, Passages for Unseen Translation (Longmans). Four hours a week.

4. Subjects for 1900-1901:-

Fourth Year.

SUMMER READINGS.—Merriam's "The Phaeacians of Homer" (Harpers).

SESSIONAL LECTURES.—Plato, Protagoras (Adam, Pitt Press); Aeschylus, Choephoroi (Sidgwick, Clarendon Press). Composition and Translation at Sight as in the Third Year.

HISTORY and LITERATURE.—The Constitutional History of Athens, with a general study of Greek Antiquities and Literature.

Two hours a week.

The following books are recommended for general use: Gow's Companion to School Classics (Macmillan), Jebb's Growth and Influence of Classical Greek Poetry (Macmillan); Campbell's Guide to Greek Tragedy (Percival); Abbott's Pericles (Putnam); Haigh's The Attic Theatre (Clarendon Press); Cornish's Concise Dictionary of Greek and Roman Antiquities (Murray); Jevons' or Mahaffy's or Murray's History of Greek Literature; Kiepert's Manual of Ancient Geography (Macmillan); Greenidge's Constitutional History; King & Cookson's Comparative Grammar (Clarendon Press).

Honours.

Third and Fourth Years.

5. The work of the Honours Classes in Greek has been so arranged as to admit of separate courses of lectures being given, with illustrative readings, along certain main lines of literary study, in addition to supplementary work as provided for below. In 1900-1901, the Lecture courses will be as under, the books selected for class reading being specified under each separate head:—

A. Lyric Poetry: PINDAR (Seymour's Selections, Ginn & Co.).

B. Oratory: Demosthenes De Falsa Legatione (Shilleto, Deighton, Bell & Co.).

C. Drama; Euripides, Bacchae (Tyrrell, Macmillan).

Three hours a week.

Translation at Sight.—Fox & Bromley's Models and Exercises (Clarendon Press).

Prose Composition.-Sidgwick, and from Dictation.

Seminary Work.—Essays and Lectures on History, Literature, Comparative Philology and Ancient Philosophy.

Third Year. Private Reading.—Plato, Purves's Selections, 1-21, and 55 to 112 (Clarendon Press); Thucydides VI (Marchant, Macmillan); Sophocles, Antigone (Jebb, Pitt Press; or Campbell & Abbott, Clarendon Press).

In History the exknowledge of the coand a more minute Constitution and tha a general knowledge ture, and a more mauthors prescribed.

6. Private Readin, Press); HERODOTUS, Frogs (Merry, Clar Macmillan); ARISTO THEOCRITUS, I, II, I History, Literature Growth and Influen to the Iliad; Butchel Life in Greece; Jebl Grammar and Phili Giles's Short Manus Grammar (Clarendon)

BRITISH SCH

This University is which affords faciliti and study in Greec accordingly entitled tuition in the School

I. In this class, be (Sonnenschein's Lati of some Latin auth VIRGIL, HORACE or For 1900-1901, the Press); HORACE, Sel millan); SALLUST, Composition, both during the first two Prose Composition Turner's Latin and thaginian Wars, B. ("Rome and Carthage Four hours a weel

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Adam, Pitt Press); ess). Composition and

History of Athens, iterature.

general use: Gow's Jebb's Growth and; Campbell's Guide (Putnam); Haigh's Concise Dictionary wons' or Mahaffy's Kiepert's Manual Constitutional His-(Clarendon Press).

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21, and 55 to 112 lacmillan); Sopho-Abbott, Clarendon In History the examination will be directed to testing a general knowledge of the course of Greek History to the death of Alexander, and a more minute knowledge of the development of the Athenian Constitution and the period of Athenian Supremacy. In Literature, a general knowledge will be expected of the course of Greek literature, and a more minute knowledge of the lives and writings of the authors prescribed.

6. Private Reading.—Sophocles, Trachiniae (Jebb, Cambridge Press); Herodotus, Book VII (Butler, Macmillan); Aristophanes, Frogs (Merry, Clarendon Press); Attic Orators (Jebb's Selections, Macmillan); Aristotle, Ethics I, II, and X (Bywater, Oxford); Theocritus, I, II, IV, XI, XV (Kynaston, Clarendon Press).

History, Literature and Antiquities.—Oman, Symonds, Murray; Jebb's Growth and Influence of Classical Greek Poetry; Leaf's Companion to the Iliad; Butcher's Aspects of the Greek Genius; Mahaffy's Social Life in Greece; Jebb's Attic Orators.

Grammar and Philology.--Goodwin's Greek Moods and Tenses, and Giles's Short Manual of Philology (Macmillan); Monro's Homeric Grammar (Clarendon Press).

BRITISH SCHOOL OF CLASSICAL STUDIES AT ATHENS.

This University is a contributor to the support of the above School, which affords facilities for archaeological and classical investigation, and study in Greece. Graduates in Arts of McGill University are accordingly entitled to special privileges and advantages as regards tuition in the School.

Latin.

I. In this class, besides a general review of grammatical principles (Sonnenschein's Latin Grammar; Parallel Grammar Series)—portions of some Latin author, such as OVID, TIBULLUS, LIVY, SALLUST, VIRGIL, HORACE or CICERO—are read and explained.

For 1900-1901, the subjects will be OVID, Fasti VI, Sidgwick, Pitt Press); Horace, Selections from Satires and Epistles (Baker, Macmillan); Sallust, Catiline (Cook, Macmillan). For practice Composition, both written and oral, the text-book in use during the first two years will be North and Hillard's Latin Prose Composition (Rivingtons); and for Translation at Sight, Turner's Latin and Greek Passages (Longmans). History.—Carthaginian Wars, B. C., 263-146; Shuckburgh's History of Rome, or "Rome and Carthage" (Longmans' Epoch Series).

Four hours a week.

Fourth Year.

Ordinary First. Year. Second Year. 2. For 1900-1901, the subjects will be:-

SUMMER READINGS.—VIRGIL, Georgics I (Sidgwick).

Students are also recommended to continue the practice of Prose Composition (North and Hillard).

Sessional Lectures.—Livy xxii (Dimsdale, Pitt Press); Horace, Wickham's Selected Odes (Clarendon Press); Quintilian X, cli. I, sections 37-131, being Quintilian's Review of Ancient Literature (Peterson, Clarendon Press, smaller edition). Composition and Translation at Sight, North & Hillard's Latin Prose Composition (Rivingtons); and Jerram's Anglice Reddenda (First Series).

HISTORY.—The last Century of the Republic, B. C., 133-31; as in Beesly's "The Gracchi, Marius and Sulla" (Longmans' Epoch Series), and "The Roman Triumvirates" (Merivale, Longmans' Epoch Series).

LITERATURE.—As in Quintilian X., chap. 1, §§ 37-131 (as above). Four hours a week.

The following books are recommended for general use during the first two years of the course; Shuckburgh's History of Rome (Macmillan); Strachan-Davidson's CICERO and V'arde-Fowler's CÆSAR (Putnam); Wilkins' Primer of Roman Literature, Wilkins' Primer of Roman Antiquities; Latin Grammar, Gildersleeve and Lodge.

Students should provide themselves also with Kiepert's Atlas Antiquus.

Third Year. 3. In the Session 1900-1901, the provisions of the new Curriculum come into operation for the Third Year. Under these, Latin is one of the subjects which may be offered as one of six courses, during the Third and Fourth Years together. The increased time which will thus be given to it will make it possible to add to the reading of selected authors and the practice of Composition and Translation at Sight short courses of lectures on subjects of general interest in the departments of History, Philosophy, Literature, Art and Antiquities. Where possible, these will be illustrated by lantern-slides, or such other means as may be convenient. One-fourth of the whole time of the Class (i.e., one hour a week) will be devoted to such lecture-courses.

For the Session 1900-1901, the course will be as follows:-

- A. SUMMER READINGS.—VIRGIL, Aeneid VI (Sidgwick, Pitt Press).
- B. HISTORY, LITERATURE AND ANTIQUITIES.—Courses will be delivered on at least two of the following three subjects:—
 - (1) Roman Life and Character--12 Lectures.
 - (2) The Last Century of the Republic-12 Lectures
 - (3) An outline sketch of Latin Literature to the end of the Republic.—12 Lectures.

C. AUTHORS:— PLINY, Selected Histories i (Davie

D. For practic cises (Clarendon Sight, Tod and Lomans).

Four hours a w

4. Subjects for 1 SUMMER READI (Wilkins, Macmill SESSIONAL LECT and Bacon); TACI V (Duff, Pitt Pres HISTORY.—Capes Series); or Bury's Two hours a we NOTE.—The foll Gow's Companion Literature (Murray Pelham's Outlines Roman Empire (L tionary of Greek at of Ancient Geogra Grammar.

5. As in Greek, t so arranged as to : with illustrative reaaddition to supplem the Lecture Course reading being speci

A. Epic Poetry Lucan, Pharsalia, Thebais X.

B. History: LIV
Annals, I-IV (Furn
C. Lyric and E
Pitt Press); MARTI
Translation at Sig
(Clarendon Press).
Seminary Work.—
parative Philology

Sidgwick).
e the practice of Prose

e, Pitt Press); HORACE, QUINTILIAN X, ch. I, of Ancient Literature Composition and Trans-Composition (Riving-Series).

c, B. C., 133-31; as in Longmans' Epoch Seile, Longmans' Epoch

§§ 37-131 (as above).

r general use during h's History of Rome and Warde-Fowler's Literature, Wilkins' nar, Gildersteeve and

Kiepert's Atlas An-

i the new Curriculum or these, Latin is one of six courses, during ncreased time which o add to the reading ition and Translation of general interest in vature, Art and Anted by lantern-slides, e-fourth of the whole be devoted to such

is follows: bidgwick, Pitt Press). -Courses will be debjects: ures.

2 Lectures te to the end of the C. AUTHORS:—PROPERTIUS ii and iii (Postgate, Macmillan); PLINY, Selected Letters (Westcott, Allyn and Bacon); TACITUS, Histories i (Davies, Pitt Press); LUCRETIUS v (Duff, Pitt Press).

D. For practice in Composition, Sargent's Easy Latin Prose Exercises (Clarendon Press), and from dictation; and for Translation at Sight, Tod and Longworth, Passages for Unseen Translation (Longmans).

Four hours a week.

4. Subjects for 1900-1901:-

SUMMER READINGS.—HORACE, Epistles II, with De Arte Poetica (Wilkins, Macmillan).

SESSIONAL LECTURES.—PLINY, Selected Letters (Westcott, Allyn and Bacon); TACITUS, Histories I (Davies, Pitt Press); Lucretius, V (Duff, Pitt Press).

HISTORY.—Capes' "Early Roman Empire" (Longmans' Epoch Series); or Bury's History (John Murray), down to Domitian.

Two hours a week.

Note.—The following books are recommended for general use: Gow's Companion to School Classics (Macmillan); Mackail's Latin Literature (Murray); How & Leigh's History of Rome (Longmans); Pelham's Outlines of Roman History (Percival); Capes' Early Roman Empire (Longmans' Epoch Series); Cornish's Concise Dictionary of Greek and Roman Antiquities (Murray); Kiepert's Manual of Ancient Geography (Macmillan); Bennett's Appendix to Latin Grammar.

5. As in Greek, the work of the Honours Classes in Latin has been so arranged as to admit of separate courses of lectures being given, with illustrative readings, along certain main lines of literary study, in addition to supplementary work as provided for below. In 1900-1901, the Lecture Courses will be as under, the books selected for class reading being specified under each separate head:—

A. Epic Poetry: VIRGIL, Aeneid I-III (Sidgwick, Pitt Press); LUCAN, Pharsalia, I (Heitland & Haskins, Pitt Press); STATIUS, Thebais X.

B. History: LIVY, Book I (Seeley, Clarendon Press); TACITUS, Annals, I-IV (Furneaux, Clarendon Press).

C. Lyric and Elegiac Poetry: Horace, Odes i and iii (Gow, Pitt Press); Martial (Selected Epigrams, Stephenson, Macmillan).

Translation at Sight.—Fox & Bromley's Models and Exercises (Clarendon Press). Prose Composition.—Selected Passages.

Seminary Work.—Essays and Lectures on History, Literature Comparative Philology and Ancient Philosophy.

Fourth Year.

Honours.
Third and
Fourth
Years.

Private Reading.—Horace, Epistles I (Wilkins, Macmillan); CICERO, Pro Plancio (Auden, Macmillan); VIRGIL, Aeneid vi (Sidgwick, Pitt Press); Sallust, Catiline (Cook, Macmillan); CICERO, Select Letters (Abbott, Ginn & Co.).

History.—A general knowledge of Roman History to the end of the First Century A. D., and a more minute knowledge of the period from B. C. 146 to the Death of Augustus.

Third Year. Literature.—A general knowledge will be expected of the course of Roman Literature, and a more minute knowledge of the lives and writings of the authors prescribed.

6. Private Reading.—Plautus, Rudens (Sonnenschein, Clarendon Press); Cicero, Tusculan Disputations I, II, and pro Milone (Clark, Clarendon Press); Terence, Hauton Timorumenos (Gray, Pitt Press); Merry's Fragments of Early Latin Poetry (Clarendon Press); Quintilian, Book X (Peterson, Clarendon Press).

History, Literature and Antiquities.—How & Leigh's History of Rome (Longmans); Tyrrel's Latin Poetry; Students' Companion to Latin Authors (Middleton & Mills, Macmillan).

Fourth Year.

Grammar and Philology.—Lindsay's Short Historical Latin Grammar (Clarendon Press) and Giles's Short Manual of Philology (Macmillan); Lindsay's Textual Emendation (Macmillan).

Sanskrit.

Lecturer:-Henry Nevill Sanders, M.A.

Last session a course in Elementary Sanskrit was inaugurated with some degree of success, the course being a voluntary one that was not intended to count toward the Final Examination work. This year it is intended to offer two courses in Sanskrit, open to students who have passed the Intermediate Examination, although other students may obtain special permission to attend.

These courses comprise:-

I. A.—For beginners, the work mainly consisting in the mastering of the elements of Sanskrit Grammar, with such composition as tends to fix in the mind the knowledge thus acquired. Etymological references will be frequently made, that the true position of Sanskrit in its relation to other languages may be early impressed on the student. As progress is made, Reading in Sanskrit will be substituted for part of the composition. This course is to count as a half course qualifying for the degree.

Two hours a week.

7. B.—For thos
Course A or its of
week, one hour we
Indian Literature
to Grammar and
While insistence is
features of the la
advantage of the s
which may be subs
B counts one full
one and one-half, t
thereby from repea

Books required: Sanskrit Grammar & Co.).

Four hours a w

I. A.—INTRODUC This course, as some one or more dents of the Third

The lectures will and results; Morr comparative inflexi principles of synta-

As an introductoguage, the history will be adapted to to the study of lain adapting the structure, and the prominent and pra

B. COMPARATIVI
This course will
ture of these lang
of the group.

It is primarily it for such others as t Wilkins, Macmillan); CICERO, RGIL, Aeneid vi (Sidgwick, Macmillan); CICERO, Select

man History to the end of tute knowledge of the period

be expected of the course of knowledge of the lives and

(Sonnenschein, Clarendon II, and pro Milone (Clark, Timorumenos (Gray, Pitt n Poetry (Clarendon Press); on Press).

w & Leigh's History of etry; Students' Companion Iacmillan).

rt Historical Latin Gram-Manual of Philology (Mac-Macmillan).

inders, M.A.

skrit was inaugurated with a voluntary one that was Examination work. This Sanskrit, open to students nation, although other stuend.

consisting in the mastering with such composition as as acquired. Etymological e true position of Sanskrit e early impressed on the in Sanskrit will be subis course is to count as a

T. B.—For those students who have already passed through Course A or its equivalent in Sanskrit preparation, four hours per week, one hour weekly, it is expected, will be devoted to lectures on Indian Literature and Civilization; two hours to Reading; one hour to Grammar and Composition bearing especially on the texts read. While insistence is laid throughout the course on the Etymological features of the language, students are urgently requested to take advantage of the special course on Philology (one hour per week) which may be substituted for one hour in Sanskrit Reading. Course B counts one full course to the Final; Courses A and B together, one and one-half, the student taking up Course B, not being debarred thereby from repeating a course in another department.

Books required: Perry Sanskrit Primer (Ginn & Co.); Whitney's Sanskrit Grammar (Ginn & Co.); Lanman's Sanskrit Reader (Ginn & Co.).

Four hours a week.

Comparative Philology.

 $\label{eq:Lecturers:-} \textbf{Lecturers:-} \left\{ \begin{array}{l} \textbf{Dr. Eaton.} \\ \textbf{Mr. Slack.} \end{array} \right.$

1. A.—Introductory Course:—25 Lectures.

This course, as forming a working basis for subsequent study of some one or more of the Indo-European languages, open to all students of the Third and Fourth Years.

The lectures will deal with the nature of phonetic change, its causes and results; Morphology and historical Etymology—the study of comparative inflexions of case, personal endings, etc.—and the main principles of syntactical relations.

As an introductory course, treating of the life and growth of language, the history, development and classification of languages, it will be adapted to the needs of any who may wish for an introduction to the study of languages. Careful discrimination will be exercised in adapting the study to the special needs of the students who elect the course, and the various theories will be presented in their most prominent and practical features.

B. Comparative Grammar of Greek and Latin .- 25 lectures.

This course will deal more exclusively with the history and structure of these languages and their relation to the other members of the group.

It is primarily intended for Honour students in the Classics, and for such others as may be found to be qualified.

English Language and Literature.

Professor:—Chas E. Moyse, B.A.
Lecturer in English and Rhetoric:—P. T. Lafleur, M.A.
Special Lecturer:—J. W. Cunliffe, D.Lit.

Ordinary First Year

- I. A. ENGLISH LITERATURE AND COMPOSITION.—A course of lectures, chiefly synthetical, on the principles of English composition, with special reference to the use of words and the construction of sentences and paragraphs. Regular essays are required of all students, One hour a week.
- I. B.—Studies of authors and masterpieces of English literature in a course of about twenty-five lectures. For 1900-1901, the subject will be the leading prose Essayists of England from Bacon to Goldsmith. The treatment is critical rather than biographical, the intention being to explain the origin and growth of essay writing as a characteristic form of modern literary expression, together with the causes which have assisted in permanently establishing its popularity. Incidentally, this course proves ancillary to (A) through the opportunity which it offers of discussing analytically the style of the authors under examination. One hour a week.

Second Year

2 (A) HISTORY OF ELIZABETHAN LITERATURE.—The political, social, and literary conditions of Elizabethan England will be noticed, and illustrated by a brief study of the life and works of Sir Philip Sidney. Special attention will be given to Spenser's minor poems, and the general plan and sibnificance of The Faerie Queene will be indicated. A sketch of the development of the English drama will follow, with a short account of the predecessors of Shakspere. The remainder of the course will be devoted to an introduction to Shakspearean study and criticism. Students are recommended to read as many of the plays as they can, especially Love's Labour's Lost, A Midsummer Night's Dream, Romeo and Juliet, Henry V, As You Like It, Hamlet, King Lear, and The Tempest. Lantern slides will be shown giving portraits of the chief personages, and illustrating the manners and customs of the time.

Fortnightly essays will be required on subjects set in connection with the lectures, and will be taken into account in determining the standing of students at the end of the session.

Two hours a week.

Second Year.

2 (B) HISTORY OF THE ENGLISH LANGUAGE.—Lectures will be given on the origin of English and its relation to other languages. While the method of treatment will be historical rather than philological,

the course will aim at features of English at a week.

The Second Year c sicn 1900-1901, by J. l

The work of the T of 3 (A) a course in course on the leading will be given in alter In addition to 3(4) English Composition

duates in the Faculty
During the Session
given. 3 (A), And
Anglo-Saxon. TextSaxon Reader. Four
Second Term Angl

week. Morris and (Selections); Chaucei ((Morris and Skeat, Minor Poems of Chau

There will be a ser of literature and aspec be illustrated by lante

3 (C) English Co Composition, includin ticism treated from th to the comparative st recent results of contourishment with this course stude readings. Essays at st

During the Session above, will be given. year's Calendar.

4. A course on the The chief aspects of t Republican feeling in Wordsworth, Coler poets Byron and She poems, together with examined. The remained.

iterature.

T. Lafleur, M.A. Lit.

rion.—A course of lecf English composition, nd the construction of required of all students,

f English literature in a 1901, the subject will be con to Goldsmith. The the intention being to ing as a characteristic with the causes which pularity. Incidentally, e opportunity which it he authors under ex-

.-The political, social, will be noticed, and itof Sir Philip Sidney. or poems, and the genwill be indicated. A ima will follow, with The remainder o Shakspearean study read as many of the Lost, A Midsummer s You Like It, Hamslides will be shown istrating the manners

cts set in connection it in determining the

ectures will be given er languages. While er than philological,

the course will aim at making the student acquainted with the leading features of English at the main stages of its development. One hour

The Second Year courses of lectures will be delivered during the Session 1900-1901, by J. W. Cunliffe, D. Lit. (Lond.)

The work of the Third and Fourth Years in English will consist Taird and of 3 (A) a course in Anglo-Saxon and Early English, and 3 (B) a course on the leading poets of the nineteenth century. These courses will be given in alternate years. Four hours a week.

In addition to 3(A) and 3 (B), there will be a course 3 (C) in English Composition, which all Third and Fourth Year undergraduates in the Faculty of Arts are required to take. One hour a week.

During the Session of 1900-1901 courses 3 (A) and 3 (C) will be given. 3 (A), Anglo-Saxon and Early English.—First Term Anglo-Saxon. Text-Books: Sweet, Anglo-Saxon Primer; Anglo-Saxon Reader. Four hours a week.

Second Term Anglo-Saxon.—Text-Books as above. Two hours a week. Morris and Skeat, Specimens of Early English, Part II (Selections); CHAUCER, Prologue to Canterbury Tales, Knightes Tale; ((Morris and Skeat, Clarendon Press), Parlement of Foules; Skeat, Minor Poems of Chaucer, Clarendon Press). Two hours a week.

There will be a series of demonstrations in which various details of literature and aspects of life in the period under investigation will be illustrated by lantern slides.

3 (C) ENGLISH COMPOSITION.—An advanced course on English Composition, including style, methods and principles of literary criticism treated from the historical point of view, and an introduction to the comparative study of literature in accordance with the most recent results of contemporary thought and research. In connection with this course students will be examined in a course of prescribed readings. Essays at stated periods are required of all.

During the Session 1901-1902, courses 3 (B) and 3 (C), as indicated above, will be given. The details of 3 (B) will be stated in next year's Calendar.

4. A course on the Leading Poets of the Nineteenth Century. The chief aspects of the French Revolution will be considered, and Republican feeling in England illustrated, chiefly from the works of (Old Curri-Wordsworth, Coleridge and Southey. The indirect revolutionary poets Byron and Shelley will then be considered, and their typical poems, together with those of the poets already mentioned, critically The remainder of the course will be given to Scott,

Fourth Year. culum,)

Fourth Years. (NewCurriculum.)

KEATS, TENNYSON, BROWNING and SWINBURNE.—In the course f 1900-1901, special attention will be given to Tennyson and Browning. Othour a week.

The following poems have been selected for private reading. paper will be set on them at the sessional examination of the Four Year:

Wordsworth:—The Scholars of the Village School of—Two April Mornings; The Fountain; The Peak of Weatherlan in the Prelude—("One summer evening (led by her) I found Book I); Lucy Poems; Earth has not anything—; Hart-lea Well; Tables Turned; Lines written in early spring; To m Sister; Excursion—The Vision in the Skies. (So was he lifted gentle from the ground) Book II; The Child and the Shell, (I have see a curious child), (Book IV), Laodamia; It is a beauteous evening The world is too much with us; Scorn not the Sonnet; Milton, the shouldst—; Daffodils; The Yarrow Poems.

COLERIDGE:—Dejection; Ode to France; Lines to a Gentleman composed on the Night after his Recitation of a Poem on the Growt of an Individual Mind; Love; Youth and Age; Fancy in Nubibus Christabel; Hymn before sunrise in Vale of Chamouni.

SOUTHEY:—Battle of Blenheim; Inch Cape Rock; Lord William Bishop Bruno; Well of St. Keyne.

Scott:-Lady of the Lake; Wild Huntsman; Fire King.

Byron:—A Distant View of Harrow on the Hill; Childish Recollections; Manfred; Childe Harold, Canto I; Cain.

KEATS:—Hyperion; Ode to a Grecian Urn; Chapman's Home (Lines, etc.).

SHELLEY:—Ode to the West Wind; The Cloud; The Skylark Alastor; Ozymandias; Adonais; Hellas Choruses.

TENNYSON:-The Poet; The Princess; In Memoriam.

Browning:—Christmas Eve and Easter Day; Saul; Johannes Agricola; Pictor Ignotus; Fra Lippo Lippi; Andrea del Sarto; The Bishop orders his Tomb at Saint Praxed's Church; Bishop Blougram's Apology.

Honours. Third Year.

(New Cur riculum).

The Honour subjects fall into two groups, under the heads of Language and Literature, respectively. The group preferred by the student will be regarded as his chief group; the other as his subsidiary group, in which he will take the subjects marked by an asterisk. An honour student must take the ordinary course in English, and his standing in it will be reckoned in the awarding of Honours.

A. Language—Anglo-Saxon. Sweet, *Anglo-Saxon Reader (the whole); Beowulf. The text of Beowulf will be read in class and illustrated by notes on origins, phiology and verbal emendations. Text-Book: Harrison and Sharp (Ginn).

MŒSO-GOTHIC. The the way to the compaticular attention will be Gothic and Anglo-Sas

EARLY ENGLISH. T dialectal English and dergone. Text-Book: 1150-1300. (Clarendon Lectures on Langu week.

B. Liter: t Ir — CH
of Chaucer, Clarendor
Clarendon Press); SID
Microcosmographic (A
adise Lost, Books I at
tica (Hales); DRYDEN
Part I, Preface to the
Achitophel, Dryden's
matic Poesie (Arnold,
dise Lost (Cook, Ginn
Routledge); Cato (Bo
Series); CAMPBELL, F
*ENGLISH ESSAYS (Lo
Essays, Second Series
Lectures on Literatu

Mœso-Gothic.—The the way to the com Particular attention w Mœso-Gothic and An Mark (Skeat, Clarendo

Anglo-Saxon, Beo illustrated by notes o Text-Book: Harrison a

EARLY ENGLISH.—Te

SHAKSPERE.—The so England will be notice rian drama specially illed for special criticis

WINBURNE.—In the course o Tennyson and Browning. Of

ected for private reading. nal examination of the Four

the Village School of-The Peak of Weatherlan ing (led by her) I found not anything-; Hart-lea in early spring; To m ties. (So was he lifted gentle and the Shell, (I have see It is a beauteous evening

nd Age; Fancy in Nubibus of Chamouni.

Cape Rock; Lord William

tsman; Fire King. on the Hill; Childish Recol I: Cain.

1 Urn: Chapman's Home

The Cloud; The Skylark horuses.

1 Memoriam.

Day; Saul; Johannes Agri ; Andrea del Sarto; The Church; Bishop Blougram's

oups, under the heads of he group preferred by the up; the other as his subbjects marked by an asterdinary course in English the awarding of Honours.

*Anglo-Saxon Reader vulf will be read in class y and verbal emendations.

MŒSO-GOTHIC. The course on Moeso-Gothic is intended to open he way to the comparative study of allied Teutonic languages. Paricular attention will be given to the phonological relations of Moeso-Gothic and Anglo-Saxon. Text-Book: ULFILAS (Heyne).

EARLY ENGLISH. The course is intended to give a knowledge of dialectal English and to iliustrate the changes the language has undergone. Text-Book: Morris, Specimens of Early English, Part I, 1150-1300. (Clarendon Press.)

Lectures on Language (Ordinary and Honour), seven hours a week.

B. Liter: t ir -Chaucer, *House of Fame (Skeat, Minor Poems of Chaucer, Clarendon Press); English Miracle Plays, (Pollard, Clarendon Press); SIDNEY, An Apologie for Poetry (Cook); EARLE, not the Sonnet; Milton, the Microcosmographic (Arber); MILTON, *Shorter English Poems, Paradise Lost, Books I and II, (Browne, Clarendon Press); *Areopagiice; Lines to a Gentleman tica (Hales); DRYDEN, Annus Mirabilis, Absolom and Achitophel, on of a Poem on the Growt Part I, Preface to the "Fables" (Globe Edition or for Absolom and Achitophel, Dryden's Satires (Collins, Macmillan); *Essay of Dramatic Poesie (Arnold, Clarendon Press); Addison, Essays on Paradise Lost (Cook, Ginn), and on the Imagination (Spectator, Morley, Routledge); Cato (Bohn, Vol. I): OTWAY, Selections (Mermaid Series); Campbell, Pleasures of Hope; Wordsworth, *Prelude; *English Essays (Lobban, Warwick Library); Matthew Arnold, Essays, Second Series (Macmillan).

Lectures on Literature, six hours a week.

Мœso-Goтніс.-The course on Mœso-Gothic is intended to open the way to the comparative study of allied Teutonic languages. Particular attention will be given to the phonological relations of (Old Curri-Text-Book: The Gospel of St. Mœso-Gothic and Anglo-Saxon. Mark (Skeat, Clarendon Press). One hour a week.

Honours Fourth

Anglo-Saxon, Beowulf.—The text will be read in class and illustrated by notes on origins, philology, and verbal emendations, Text-Book: Harrison and Sharp (Ginn). One hour a week.

EARLY ENGLISH .- Text-Book: Morris and Skeat's Specimens, Part II, Extt. X-XX. One hour a week.

SHAKSPERE.—The social and literary conditions of Elizabethan England will be noticed, and the characteristics of the pre-Shaksperian drama specially illustrated. The following plays have been selected for special criticism and private study: Love's Labour's Lost (Rolfe); A Midsummer Night's Dream (Deighton, Macmillan); Hamlet (Deighton, Macmillan); and the Tempest (Deighton, Macmillan). One hour a week.

LATER STUART PERIOD.—An introductory sketch of the critica and philosophical essayists in verse, leading up to a more minute examination of the following works of Pope, which have been selected for private study; Essay on Criticism (Churton Collins, Macmillan); Essay on Man (Morris, Macmillan). One hour a week.

Modern Poets.—An interpretation in detail of Tennyson's In Memoriam and a comparative criticism of other famous English poems of the same class. An outline of the growth of the Arthur Saga and a special examination of Tennyson's Idylls of the King. Browning, Christmas Eve and Easter Day.

In addition to the peoms just mentioned, MILTON'S Lycidas, SHELLEY'S Adonais, and MATTHEW ARNOLD'S Thyrsis have been selected for private study. One hour a week.

Fonou" students of the Fourth Year will, privately study the following works. More, Utopia; Matthew Arnold, Essays in Criticism (the Second Series).

Readings from authors who do not find a place in the above courses will be given by Prof. Moyse on Saturday's at noon. The selections will be taken for the most part from writers of the present century. Attendance is voluntary.

Department of Modern Languages.

Lecturers:—Leigh R. Gregor, B.A., Ph.D. E. T. Lambert, B.A.

A.—French.

Lecturer:—M. Ingres, B-ès-Lettres. Sessional Lecturer:—J. L. Morin, M.A.

The position which this University occupies in the midst of a very large French-speaking population entails especial obligations on a Department of Modern Languages, at the same time that it provides it with valuable opportunities. On the one hand, a permanent demand is made for courses of a practical, conversational character; on the other, the Department is aided in its work by the co-operation

French church servi rench literary clubs, p The following dual co re the outcome of a g he Department to its Department has endeav nen of the Province of ortunity to learn to sp he rigorous maintainend of Grammar and Liter usual academic tradition by the Natural method In the Third and Fou carried on in the Frenc aims to give students literature, as well as a with the French langua

I. BERTENSHAW and (Longmans), including French appended there studied: MOLIERE, L'A Livre premier; SANDEA Co.); AUGIER ET SANDE & Co.); DAUDET, Trois

There will be regular composition.

2. The following o Section, in which the N exclusively used. (a). writers of the present ce aspects of French life. words will be referred Biographical sketches of illustrated by typical sel by the class, and comm treated incidentally, and general outline of Frenc will be given. (c) Priv determined by the rec following works may be for the class: Pages (ed. Colin; A. DE VIGNY m (Deighton, Macmillan) Tempest (Deighton, Mac

tory sketch of the critical ding up to a more minute PE, which have been select in (Churton Collins, Mac in). One hour a week.

detail of TENNYSON'S In usual academic traditions of other famous English by the Natural method. In the Third and Four vson's Idylls of the King carried on in the French aims to give students a

oned, Milton's Lycidas, D's Thyrsis have been sek.

ll, privately study the fol-ARNOLD, Essays in Critic-

find a place in the above Saturday's at noon. The om writers of the present

anguages.

B.A., Ph.D. A.

ettres.

s in the midst of a very pecial obligations on a same time that it proone hand, a permanent onversational character; rork by the co-operation French church services, French family life, French newspapers, French literary clubs, public lecture courses in the French language. The following dual courses (extending through the first two years) are the outcome of a gradual process of adaptation of the work of the Department to its circumstances. In drawing them up, the Department has endeavoured to meet the needs of the professional men of the Province of Quebec (every student being given the opportunity to learn to speak French fluently), and also to provide for the rigorous maintainence of scientific methods. In Course 1 the study of Grammar and Literature is carried on in accordance with the usual academic traditions. In Course 2, the same subjects are taught by the Natural method.

In the Third and Fourth Years all lectures are given and all studies carried on in the French language. The French course, as a whole, aims to give students a general knowledge of French culture and literature, as well as a reading, writing and speaking acquaintance with the French language.

I. Bertenshaw and Janau's Manual of French Composition First Year. (Longmans), including the prose passages for translation into French appended thereto. The following texts will be read and studied: Moliere, L'Avare (Macmillan); La Fontaine, Fables, Livre premier; Sandeau, Mademoiselle de la Seiglière (Heath & Co.); Augier et Sandeau, Le Gendre de Monsieur Poirier (Heath & Co.); Daudet, Trois Contes Choisis (Heath & Co.).

There will be regular written exercises—dictation, translation and composition.

2. The following outline will indicate the character of this Section, in which the Natural Method and the French language are exclusively used. (a). The oral reproduction of stories by French writers of the present century, so selected as to bring out the national aspects of French life. In connection with this part of the work. words will be referred to groups and their formation noticed. Biographical sketches of the leading writers of the present century, illustrated by typical selections from their works, which will be read by the class, and committed to memory. Points of grammar will be treated incidentally, and the elements of French prosody taught. general outline of French literature from its origin to the present day will be given. (c) Private Reading, the character of which will be determined by the requirements of the individual student. following works may be taken as specimens of the literature chosen for the class: Pages Choisies d'ALEXANDRE DUMAS (H. Parigot), ed. Colin; A. DE VIGNY, Servitude et Grandeur militaires; FLAUBERT

Ordinary First Year Trois Contes. (d) Students will be guided in a general study of French History. L'Histoire de France, by Auge et Petit (ed. Larousse) is recommended for private reading.

Students are recommended to use Le Dictionnaire LAROUSSE.

The examination for the students of affiliated colleges will include the whole of Course 1, and in ddition the whole of Pages Choisies d'Alexandre Dumas, and Flaubert, Trois Contes.

Four hours weekly, two for each Course.

Second Year. 3. Bertenshaw and Janau's Manual of French Composition, including the prose passages for translation into French appended thereto. The following texts will be read and studied: Loti, Pêcheurs d'Islande (Rivington, Percival & Co.); Racine, Athalie (Pitt Press); Victor Hugo, Ruy Blas (Heath & Co.); Dumas, La Question d'Argent.

There will be regular written exercises in composition and translation.

4. The method used in this Course is the same as in 2 of the First Year, but the more advanced points of grammar will be treated, and in literature particular attention will be directed to characteristics of style. The history of French Literature in one period will be treated more fully. Students are recommended to use Le Dictionaire LAROUSSE.

The following works may be taken as specimens of the reading chosen for the class: Pages Choisies de Lesage (P. Morillot), ed. Colin; Pages Choisies de Th. Gauthier (P. Sirven), ed Colin; Michelet, La Bible de l'Humanité; G. Sand, Le Marquis de Villemer. Students will be guided in a general study of French History. The first volume of Victor Duruy's Histoire de France is recommended for private reading.

The examination for the students of affiliated colleges will include the whole of Course 3, togethr with the whole of Pages Choisies de Th. Gauthier in Course 4.

Four hours weekly, two in each Section.

Third Year. 5. In order to be admitted to this Class a student must understand French well enough to take lectures delivered in that language. The course will include a rapid survey of old French and Provençal Epic and Lyric poetry, a brief sketch of the Mediaeval Drama, and a more detailed analysis of French literature in the sixteenth and seventeenth centuries. The influence of the French classic spirit on European literature and its survival in French-Canadian literature will be briefly treated. Students will be called upon to read typical selections from the works of great writers of the periods referred to above, and will

also read the whole on RACINE, Esther; Molinomme; Boileau, L'Al Prince de Condé; La Forma The historical develoto only when it suggests

chaic or unusual forms
There will be regula
literary subjects.

Four hours weekly.

 For the transition the Lectures on Literat the Authors prescribed Two hours weekly.

The work of the Hosections. The First in Language, the Second French Composition at The First and Second Third annually. The I dents of the Third and course of a Third Yeatogether with Composi Course 9 as it may appear of a Fourth Year study scribed studies. The I instruction.

7. This course will the French language fr account will be given of pondence, grammarians' back old French words The Old French laws. tail, and in this connecti Cantilène de Sainte Eul de Saint Léger, Vie de Si ments de la langue franç and longer extracts from will be read and interpr quiring a fair reading l Chanson. Provençal g it may be possible to (BARTSCH, Chrestomath d in a general study of AUGE ET PETIT (ed. La-

tionnaire LAROUSSE. ated colleges will include whole of Pages Choisies Contes.

of French Composition. i into French appended and studied: Loti, Pê-); RACINE, Athalie (Pitt Co.); Dumas, La Ques-

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ie same as in 2 of the grammar will be treated, rected to characteristics in one period will be d to use Le Dictionaire

ecimens of the reading SAGE (P. Morillot), ed. P. Sirven), ed Colin; , Le Marquis de Villeidy of French History. e de France is recom-

d colleges will include e of Pages Choisies de

udent must understand in that language. The :h and Provençal Epic al Drama, and a more teenth and seventeenth ic spirit on European terature will be briefly typical selections from red to above, and will

also read the whole of the following texts:—Corneille, Le Cid; RACINE, Esther; MOLIERE, Le Misanthrope, Le Bourgeois Gentilnomme; Boileau, L'Art Poétique; Bossuet, Oraison Funèbre sur le Prince de Condé; LA FONTAINE, Fables Choisies (Henry Holt & Co.).

The historical development of the French language will be referred to only when it suggests itself spontaneously in connection with archaic or unusual forms of words.

There will be regular oral and written French compositions on literary subjects.

Four hours weekly.

6. For the transition term of 1900-1901 this Course will consist of the Lectures on Literature, part of the Composition work and half of the Authors prescribed in the Third Year.

Two hours weekly.

The work of the Honour Classes in French is divided into three sections. The First includes the Historical Study of the French Language, the Second the History of French Literature, the Third French Composition and the Reading and Study of French Texts. The First and Second sections are taken up in alternate years, the Third annually. The Honours Course is regarded as a whole, students of the Third and Fourth Years taking lectures together. The course of a Third Year student will include Course 7 or Course 8, together with Composition and as many of the texts prescribed in Course 9 as it may appear advisable to assign to that year. The course of a Fourth Year student will consist of the remainder of the presscribed studies. The French language alone will be used in class instruction.

7. This course will deal with the historical development of Philology the French language from its origin to the present day. A brief 1901-1902. account will be given of the Low Latin as found in graffiti, correspondence, grammarians' glossaries, etc., and as ascertained by tracing back old French words to their origin in accordance with known The Old French Period will be treated with much more detail, and in this connection the oldest texts, Serments de Strasbourg, Cantilène de Sainte Eulalie, short portions of the Passio Christi, Vie de Saint Léger, Vie de St Alexis, (Koschwitz, Les plus anciens monuments de la langue française and Gaston Paris, Vie de Saint Alexis), and longer extracts from the Chanson de Roland (Gaston Paris), will be read and interpreted. Students will receive assistance in acquiring a fair reading knowledge of Old French subsequent to the Chanson. Provençal grammar will necessarily be referred to, and it may be possible to overtake the reading of Provençal texts (BARTSCH, Chrestomathie). The Grammar of the Modern French

Fourth Year.

Honours Third and Fourth Years.

Period will be included as well, and will be shown to be the regular outcome of this long process of development. Peculiarities of the Canadian speech will also be noticed. Students will make constant use of Schwan's Altfranzösische Grammatik (revised by Behrens); DARMESTETER'S Cours de Grammaire Historique and Horning's Grammar prefixed to BARTSCH's Chrestomathie. A large and carefully chosen Romance library will be placed at their disposal.

Four hours weekly.

History of 1900-1901

8. A general and comprehensive survey of French Literature Literature from its origin to the present day. Students will use LINTILHAC'S and Lanson's Histories of French Literature as text-books in order to prepare for lectures. They will furthermore be required to make constant reference to the numerous Monographs and Special Histories to be found in the Library, and to write resumes in the French language of (e. g.) chapters of the Histoire de la Littérature Francaise edited by Petit de Juleville. During the Session 1900-1901 a detailed course will also be given on the History of French Dramatic Literature, with special reference to the influences which moulded it at its origin.

Four hours weekly.

Texts and Composition.

9. Students will receive special instruction in the Art of Composition. They will be expected to write a number of French papers on literary and other subjects.

Students will find it necessary to read a considerable number of the following texts during their summer holidays, and are strongly recommended to make a beginning in the summer which precedes their Third Year Course. A critical knowledge of the contents is required.

BOILEAU, Le Lutrin; LA FONTAINE, Fables (Books II and V); PASCAL, Lettres Provinciales (Lettre XIV); LA BRUYERE, Caractères (Chapters I, II, V, VIII) (éd. Hachette); Bossuer, Oraison Funèbre sur Henriette-Marie de France; DE RETZ, Mémoires (Selections); MADAME DE SEVIGNE, Lettres (Selections); FENELON, Lettre à l'Académie Française; Voltaire, Prose (Heath & Co.); Florian, Estelle et Némorin; Marivaux, Jeu de l'amour et du hasard (Bibliothèque Nationale); Lesage, Gil Blas (Selections); Beaumarchais, Le Mariage de Figaro (Delarue); BERNARDIN DE SAINT-PIERRE, Paul et Virginie; CHATEAUBRIAND, Atala, René; MADAME DE STAEL, de l'Allemagne, Lectures Choisies (Pellissier); VICTOR HUGO, Cromwell (including the Preface), Hernani, Les Orientales (Selections), Les Contemplations (Selections); LAMARTINE, Méditations (Selections), Harmonies poétiques et religieuses (Selections); Alfred de Vigny, Poèmes antiques et barbares (Selections), Chatterton; Balzac, Eugénie Grandet: Dumas Fils, La Question d'Argent; Delavigne, Les

Enfants D'Edouard; FLAUBERT, Trois Co. mann Lévy); LECO! (Selections); MAUP Cyrano de Bergerac One hour weekly.

N.B.—Students wil Languages, the Thir and that section of t which deals with pl tic development.

Lect

The ordinary Cours possible they place th language from withi given to Grammar, in are carefully studied, the historical and lin of translation is dor supplemented by the translation" of texts. sive reading aloud.

I. THE JOYNES-ME German exercises in Stuart (Heath & Co. & Co.); FREYTAG, I Der Letzte (Heath letzten Schusz (Macn will be committed to minence is given to w Four hours weekly

2. THE JOYNES-MEI frau von Orleans (H & Co.); GOETHE, He Minna von Barnheln notes on a few of th Otfried von Weissenb shown to be the regular ent. Peculiarities of the dents will make constant k (revised by Behrens); torique and Horning's nie. A large and carefully ir disposal.

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siderable number of the s, and are strongly resummer which precedes edge of the contents is

es (Books II and V); A BRUYERE, Caractères SUET, Oraison Funèbre Mémoires (Selections); ENELON, Lettre à l'Aca-Co.); FLORIAN, Estelle 1 hasard (Bibliothèque AUMARCHAIS, Le Mari-SAINT-PIERRE, Paul et ME DE STAEL, de l'Alle-Hugo, Cromwell (in-(Selections), Les Conons (Selections), Har-ALFRED DE VIGNY, rton; BALZAC, Eugénie ent; DELAVIGNE, Les

Enfants D'Edouard; De Musset, Poésies et Comédies (Ginn & Co.); FLAUBERT, Trois Contes (Charpentier); RENAN, Pages Choisies (Calmann Lévy); Leconte de Lisle (Selections); Sully Prudhomme (Selections); Maupassant, Contes Choisis (Jenkins); Rostand, Cyrano de Bergerac; Zola, La Débâcle (Heath & Co.).

One hour weekly.

N.B.—Students will take as part of their Honour Course in Modern Languages, the Third and Fourth Year Ordinary Course in History and that section of the Ordinary Course on Comparative Philology which deals with phonetics and the general principles of linguistic development.

B-German.

Lecturers:—L. R. Gregor, Ph.D. E. T. Lambert, B.A.

The ordinary Courses mainly keep practical ends in view. As far as possible they place the student in the position of one who studies the language from within. In the first two years special attention is given to Grammar, in the Third and Fourth to Literature. Classic texts are carefully studied, from the aesthetic and critical as well as from the historical and linguistic points of view. A considerable amount of translation is done in class, and English-German exercises are supplemented by the translation of easy prose passages and the "retranslation" of texts. Importance is attached to correct and expressive reading aloud.

I. THE JOYNES-MEISSNER German Grammar, including all English-German exercises in translation (Heath & Co.); Schiller, Maria Stuart (Heath & Co.); Uhland, Ballads and Romances (Macmillan & Co.); Freytag, Die Journalisten (Holt & Co.); Wildenbruch, Der Letzte (Heath & Co.); Wachenhusen, Vom ersten bis zum letzten Schusz (Macmillan & Co.); a few well-known German poems will be committed to memory; dictation; colloquial exercises; prominence is given to written work.

Four hours weekly.

2. THE JOYNES-MEISSNER German Grammar; Schiller, Die Jungfrau von Orleans (Heath & Co.), Das Lied von der Glocke (Holt & Co.); Goethe, Hermann und Dorothea (Heath & Co.); Lessing, Minna von Barnhelm (Clarendon Press); Hauff, Die Karavane; notes on a few of the great names of German Literature, such as Otfried von Weissenburg, Das Nibelungenlied, Wolfram von Eschen-

First Year.

Second Year. bach, Martin Luther, Martin Opitz, Klopstock, Lessing, Herder Goethe, Schiller, Heine. Prominence is given to written exercises e prose passages for translation into German from HORN rman Composition.

For weekly.

Third Yea:

3. GOETHE, Egmont (Ginn & Co.); SCHILLER, Wallenstein's Lager and Wallenstein's Tod; Book of German Dactylic Poetry (Pitt Press) HEINE, White's selections from his poems (Heath & Co.); Scheffel Trompeter von Såkkingen (Heath & Co.); Translation of prose pas sages from English into German; History of German Literature up to the middle of the 18th Century.

Four hours weekly.

Fourth Year.

4. For the transition term of 1900-1901, this Course will consist of the following portions of the Third Year Course. Goethe, Egmon (Ginn & Co.); Schiller, Wallenstein's Lager and Wallenstein's Tod Translation of prose passages from English into German; History of German Literature up to the middle of the 18th Century.

Two hours weekly.

5. The work of the Honours Classes in German is divided into three Honours Sections. The First includes, broadly speaking, the Historical study of the German Language; the Second, the History of German Literature; the Third, German Composition and the Reading and Critical study of German Texts. The First and Second sections are taken up in alternate years; the Third annually. The Honours Course is regarded as a whole, students of the Third and Fourth years taking lectures together. The course of a Third Year student will consis of Course 5 or Course 6 (Course 6 in German being taken up in the same year as Course 7 in French, and vice versa), together with the Composition in Course 7, and as many of the texts as it may appear advisable to assign to that year. The course of a Fourth Year stu dent will consist of the remainder of the prescribed studies. The German language alone will be used in class instruction.

> In order to obtain Honours, candidates must be capable of speaking German fluently.

Germanic Philology

6. This course is intended to include (a) a general outline of the development of the German language from its origin to the pre sent day, in the course of which the operation of the principal law exemplified in the growth of the language will be traced.

(b) A special study of the Middle High German period; its lan guage and literature, with selected texts. The philological relation

between the Middle pointed out.

(c) An introductor in its relation to the

The following book Lesebuch (Fasi &] WRIGHT, Middle Hig Old High German P Three hours weekl

6. A comprehensive opment of German day. In order to be must previously mas teratur. Students wi the larger Biographic Library, and to prepa chapters in the same. (more especially the of lectures given on its literature, and the hi Three hours weekly

7. Students are re following texts, and to of those which posse necessary to begin the which precede the Th Students will be reother subjects.

KLOPSTOCK, Messia Lessing, Emilia Galo tions), Laokoon (Sel Carlos. Die Braut von Dichtung und Wahrhe Wieland, Oberon (S Kleist, Kätchen von GRILLPARZER, Sappho genheit (Selections); I chen: SUDERMANN, Jo Die Versunkene Glock meindekind; BERTHA BRUCH, Der Katzenster

One hour weekly.

Klopstock, Lessing, Herder s given to written exercises

CHILLER, Wallenstein's Lager Dactylic Poetry (Pitt Press) is (Heath & Co.): Scheffel .); Translation of prose pasory of German Literature up

, this Course will consist o r Course. Goethe, Egmon Lager and Wallenstein's Tod ish into German; History of the 18th Century.

German is divided into three eaking, the Historical study e History of German Literand the Reading and Critical Second sections are taken y. The Honours Course i ird and Fourth years taking rd Year student will consist erman being taken up in the ice versa), together with the if the texts as it may appear ourse of a Fourth Year stuhe prescribed studies. The class instruction.

must be capable of speaking

(a) a general outline o from its origin to the preration of the principal laws will be traced.

igh German period; its lan-The philological relations between the Middle High German and the modern idiom will be pointed out.

(c) An introductory course in Old High German, regarded chiefly nslation into German from in its relation to the evolution of the German language.

> The following books will be used:—BACHMANN, Mittelhochdeutsches Lesebuch (Fasi & Beer, Zurich); BEHAGHEL, Deutsche Sprache; WRIGHT, Middle High German Primer (Clarendon Press); WRIGHT, Old High German Primer (Clarendon Press).

Three hours weekly.

6. A comprehensive course of lectures on the History and Devel-History of opment of German Literature from its origin to the present Literature day. In order to be able to follow the course intelligently, students must previously master Kluge's Geschichte der Deutschen Litteratur. Students will be required to make frequent reference to the larger Biographies and Histories to be found in the University Library, and to prepare digests in the German language of numerous chapters in the same. During the session 1901-1902 Goethe's Faust (more especially the First Part) will be interpreted, and a number of lectures given on its origin and composition, as well as on the Faust literature, and the history of the Faust legend.

Three hours weekly.

7. Students are required to familiarize themselves with the Texts and following texts, and to make a critical study of the style and contents of those which possess enduring literary value. It will be found necessary to begin the reading of these texts in the summer holidays which precede the Third Year's course.

Students will be required to write German essays on literary and other subjects.

KLOPSTOCK, Messias, Cantos I, II and III, Odes (Selections); Lessing, Emilia Galotti, Nathan der Weise, Litteraturbriefe (Selections), Laokoon (Selections); SCHILLER, Kabale und Liebe, Don Carlos, Die Braut von Messina; Goethe, Leiden des Jungen Werther, Dichtung und Wahrheit (Holt & Co.), Torquato Tasso, Iphigenie: Wieland, Oberon (Selections); Herder, Volkslieder (Selections); Kleist, Kätchen von Heilbronn; Heine, Prose (Clarendon Press); GRILLPARZER, Sappho: FREYTAG, Bilder aus der deutschen Vergangenheit (Selections); Heyse, L'Arrabbiata; Seidel, Leberecht Hühnchen; Sudermann, Johannes, Die drei Reiherfedern; HAUPTMANN, Die Versunkene Glocke: Maria von Ebner-Eschenbach, Das Gemeindekind; BERTHA VON SUTTNER, Die Waffen nieder; WILDEN-BRUCH, Der Katzensteg.

One hour weekly.

Composition.

Semitic Languages.

Professor:—D. Coussirat, B.A., B.D., D.D., Officier de l'Instruction Publique.

The course comprises lectures on the above languages and their literature, their genius and peculiarities. Comparative philology, affinity of roots, etc., also receive due attention, while the portions selected for translation will be illustrated and explained by reference to Oriental manners, customs, history, etc.

Ordinary

Second Year.

Hebrew grammar and translation. English rendered into Hebrew. Masoretic notes explained. The Hebrew text compared with the Septuagint and Vulgate Versions.
 Four hours a week.

Third Year.

Hebrew Syntax. Translation of difficult passages of the Old Testament. Notes on the Massora and the Talmud (Mishna and Gemara).
 Two hours a week.

Fourth Year.

3. Translation continued. Characteristics of the Semitic Languages, particularly of Aramaic, Syriac, Samaritan, Rabbinic, Arabic, Assyrian, Semitic Inscriptions.

Two hours a week.

Honours.

Third Year.

4a. Hebrew. Genesis. Isaiah, 40-66. Ecclesiastes. Literature.—F. Lenormant, The Beginnings of History.

Hebrew -The course for the Second Year.

Hebrew. -The course for the Fourth Year.

4b. Aramaic.—Daniel. Ezra. Selections from the Targums. Literature.—Sayce, Lectures on the Origin and Growth of Religion. Two hours a week.

Fourth Year.

- 5a. Hebrew.—Malachi, Psalms, 1-72; Job. 26-42. Literature.— RENAN. A general History of the Semitic Languages.
- 5b. Syriac.—Selections from the Peshito, and from the Chronicles of Bar Hebræus. Literature.—W. Wright, Comparative Grammar of the Semitic Languages.

 Two hours a week.

4b and 5b (Literature excepted) are the Additional Courses.

Professo

I. The German In

Twenty-five lecture red, topics; the later of Mohammedanism formation of modern the spread of Christ design of the course mediaeval civilization the lectures and on

"European History At the Sessional 1 the head of English, sent short essays on One hour a week.

2. Epochs of European nations from the overthrow of the voted to institutions be assigned at each 1 course of the year. If are prescribed:—

BRYCE, The Holy : SYMONDS, The Ren Elder).

SEEBOHM, The Era GARDINER, The Th HASSALL, The Balas FYFFE, Modern Eu Four hours a week

3. Sources of Media A course for Hono plement to History. classified and describe 1900--1901, Einhard, V IV, and Otto of Freis One hour a week.

History.

Professor:-Charles W. Colby, M.A., Ph.D.

1. The German Inroads and the Early Middle Ages.

Ordina y First Year

Third or

Fourth

Year.

Twenty-five lectures will be given on the following, and other kindred, topics; the later Roman Empire, the German invasions, the rise
of Mohammedanism. Charlemagne, the origin of Feudalism, the
formation of modern states, the Holy Roman Empire, Monasticism,
the spread of Christianity beyond the Rhine, the Northmen. The
design of the course is to explain the transition from classical to
mediaeval civilization. The Sessional Examination will be based on
the lectures and on the following text-book:—

"European History," by Prof. G. B. Adams (Macmillan).

At the Sessional Examinations the results will be counted under the head of English. Members of the class will be required to present short essays on historical subjects at regular intervals.

One hour a week.

2. Epochs of European History, 1032-1848.

This is a general course dealing with the historical development of European nations from the revival of society in the 11th century to the overthrow of the July Monarchy. Special attention will be devoted to institutions and movements. Topics for investigation will be assigned at each lecture, and students will write two theses in the course of the year. Apart from topical readings, the following books are prescribed:—

BRYCE, The Holy Roman Empire (Macmillan).

SYMONDS, The Renaissance in Italy, abridged by Pearson (Smith & Elder).

SEEBOHM, The Era of the Protestant Revolution (Longmans).

GARDINER, The Thirty Years' War (Longmans).

HASSALL, The Balance of Power (Macmillan.)

FYFFE, Modern Europe, one volume edition (Holt).

Four hours a week.

3. Sources of Mediaeval History.

A course for Honour students which may be regarded as a supplement to History. 2. The leading mediaeval authorities will be classified and described. Illustrative texts will also be read, e. g., for 1900-1901, Einhard, Vita et Gesta Caroli; the anonymous Vita Henrici IV, and Otto of Freising's Gesta Frederici Imperatoris.

One hour a week.

Honours.

Year.

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Semitic Languages, IARITAN, RABBINIC,

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26-42. Literature.— .anguages.

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Courses

4. The Reformation, 1521-1648.

These lectures will examine the progress of the Protestant Revolution in the principal states of Europe from the Diet of Worms to the Peace of Westphalia. Typical dogmatic systems will be described and the connection of sectarian movements with national statecraft and politics will be indicated. A considerable amount of reading, and at least one thesis, will be required.

Three hours a week.

5. The French Revolution, 1789-1795. Three hours a week. (Omitted in 1900 and 1901.)

TEXTS.

Honour students in History will be examined at the end of the Third Year on the following texts:-

HERODOTUS, VI-VIII, Macaulay's trans.; THUCYDIDES, I, II, 1-65, VI, VII, Jowett's trans.; Plato, The Republic, Jowett's trans.; Plu-TARCH, The Lives of Aristides, Themistocles, Pericles and Timoleon, Clough's trans.; Polybius, I, II, V, Shuckburgh's trans.; Livy, XXI-XXII, Church and Brodribb's trans.; TACITUS, Annals II, Germania, Vita Agricolae, Church and Brodribb's trans.

Honour students in History will be examined at the end of the Fourth Year on the following texts:-

CLARENDON, History of the Rebellion, Book XI.; GIBBON, Decline and Fall, chaps. XLIV, L. LI, LXVI; BURKE, Reflections on the French Revolution; MACAULAY, History of England, chap. III.; BAGEHOT, The English Constitution; STUBBS, Select Charters, Introduction; LORD ACTON, German Schools of History, English Historical Review, Vol. I; MATTHEW ARNOLD, Pagan and Mediaeval Religious Sentiment, in Essays in Criticism (First Series); CAPTAIN MAHAN, The Influence of Sea Power on History; Langlois et Seignobos, Méthode à Etudier l'Histoire.

SUMMER READINGS.

Students who intend to take History 2 are advised to read the books prescribed under that course, during the summer vacation.

In connection with History 4, Honour students of the Third and Fourth Years are advised to read the following books during the summer vacation:-

KESTLIN, Life of Luther (Cassell).

EMERTON, Erasmus (Putnam).

GINDELY, The Thirty Years' War (Bentley).

JOHNSON, Europe FLETCHER, Gustav Lodge, Richelieu

Students of the in History will take Science and Econon either (a) Constituti (c) Art and Archae Students of the F English Language take History 4.

Const

This course, which Walton and Dr. Co subject, into separat

- 1. The Constitu Edward I (with a 1 which have taken 1 ecutive and judicial tions relating to lan considered.
- 2. The Constit be treated in the fo tory prior to Confed the leading cases und Dominion and the I stitutional Governme stitution. 4. The Ca and French practice Four hours a weel

Ment

Professo Lecturer

i. This course tak in the second among other works, and to Jevons, Elen Three hours a wee the Protestant Revoluthe Diet of Worms to ystems will be described with national statecraft ble amount of reading,

ned at the end of the

HUCYDIDES, I, II, I-65, .; Jowett's trans.; PLU-Pericles and Timoleon, h's trans.; LIVY, XXI, Annals II, Germania,

ned at the end of the

XI.; GIBBON, Decline CE, Reflections on the England, chap. III.; Select Charters, Intro-History, English His-Pagan and Mediaeval First Series); CAPTAIN Dry; Langlois et Seig-

advised to read the summer vacation. ints of the Third and books during the sumJohnson, European History, 1494-1598 (Macmillan). FLETCHER, Gustavus Adolphus (Unwin). Lodge, Richelieu (Macmillan).

HONOUR COURSE IN HISTORY.

Students of the Third Year who are candidates for Honours in History will take the following courses: History 2, 3, 4; Political Science and Economics; and an additional course, or a half-course in either (a) Constitutional Law and History; (b) Ancient History; or, (c) Art and Archaeology.

Students of the Fourth Year who are candidates for Honours in English Language and Literature, or in Modern Languages, will take History 4.

Constitutional Law and History.

This course, which covers the entire session, will be given by Dean Walton and Dr. Colby. The lectures may be divided, according to subject, into separate parts:

- 1. The Constitutional History of England up to the time of Edward I (with a brief review of the most important developments which have taken place since that period). While legislative, executive and judicial functions will be examined in fullest detail, guestions relating to land tenure, the church and the towns will also be considered.
- 2. The Constitutional Law of Canada—The Subject will be treated in the following order:—I. Canadian Constitutional History prior to Confederation. 2. The British North America Act, and the leading cases under it which illustrate the respective powers of the Dominion and the Provinces. 3. The fundamentals of English Constitutional Government which form the basis of the Canadian Constitution. 4. The Cabinet System. 5. The difference between English and French practice as to responsibility of officials.

Four hours a week.

Mental and Moral Philosophy.

Professor:—J. Clark Murray, L.L.D. Lecturers:—P. T. Lafleur, M.A. Hilda D. Oakeley, M. A.

i. This course takes up in the first term the elements of **Psychology** in the second the elements of **Logic**, Students are referred, among other works, to Murray, Handbook of Psychology, Book I., and to Jevons, Elementary Lessons on Logic.

Three hours a week.

Ordinary Second Year. Third Year.

- 2. In the first term a course on Moral Philosophy discussing the problems of Ethical Theory on the lines indicated in Murray's Introduction to Ethics, pp. 1-234.
- 3. In the second term an advanced course on Logic and Psychology. The first part takes up the Logic of Induction, for which students are referred specially to Mill's System of Logic, Book III. The second part takes up the most interesting problems in the Psychology of Cognition, tracing, as far as possible, the principal stages of the evolution of intelligence. The general problem, also, of the nature of knowledge is discussed, in view of the light which it throws on the ultimate nature of reality. Students are referred, among other works, to Murray, Handbook of Psychology, Book II, Part I.
- 4. In the second term there is also a course on the History of Philosophy.

Fourth Year.

- 5. In the first term a course on Moral Philosophy, identical with
- 6. In the second term the problems of Applied Ethics are discussed on the lines indicated in Murray's Introduction to Ethics, pp. 235-404.
- 7. In the second term there is also course on the History of Philosophy, identical with 4.

N.B.—In all the classes of Mental and Moral Philosophy students are required to write essays on Philosophical subjects, or to perform exercises in Logic.

All these classes in the Third and Fourth Years meet four hours a week.

Honours.

Candidates for Honours in Philosophy are in general required to take all the Ordinary Courses in Logic and Metaphysics, in Moral Philosophy, in Political Science and Economics, as well as the following Honour Courses:—

Third Year. 8. This course is devoted mainly to the history of Greek Philosophy. It begins with the colonial period, during which philosophical activity was most energetic among the colonies of the Greeks in Asia Minor and Italy. It then passes on to the Athenian period, beginning about the middle of the fifth century, B. C., when Philosophy found a home in the greatest centre of intellectual life in the anciend world. A third period is then described, during which Philosophy extends its culture over ancient life by the spread of the great schools, especially the Stoical and the Epicurean, which arose towards the end of the fourth century, B. C. Finally, some account is given of the movement, of which Alexandria was the centre, and by which

Greek Philosophy wa The history is carried Athens by the Emperon the other specia Students are expected of one of the early 1 the results of their st

The subjects of extended the following:—

Schwegler's Hi Mill's System of of Psychology, from Bosanquet ry of Knowledg ser's Selections

- 9. The lectures of to the earlier period transition from Media account of the Empiri Hobbes, and develope tendency of speculatio movements:—that where Platonists, and culmin ated by Leibnitz, and which culminated in exposition of Kant's
- Hartley to Herbert S teristics of English the years, more particular logists and political we special attention is given Erasmus Darwin, the Political and Social Bentham, Malthus, whose work may be general movement and is specially recomment pointed selections from consult Leslie Stephin teenth Century, and a

Philosophy discussing the ndicated in Murray's Intro-

se on Logic and Psychof Induction, for which stun of Logic, Book III. The
problems in the Psycholoole, the principal stages of
problem, also, of the nathe light which it throws
are referred, among other
logy, Book II, Part I.
urse on the History of

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Applied Ethics are discussduction to Ethics, pp. 235-

e on the History of Philo-

foral Philosophy students al subjects, or to perform

Years meet four hours a

re in general required to d Metaphysics, in Moral mics, as well as the fol-

history of Greek Philoduring which philosoe colonies of the Greeks to the Athenian period, tury, B. C., when Philoof intellectual life in the bed, during which Philothe spread of the great an, which arose towards some account is given he centre, and by which Greek Philosophy was brought into contact with Oriental thought. The history is carried down to the closing of the Pagan Schools in Athens by the Emperor Justinian. Occasional lectures are also given on the other special studies of the Third Year Honour Course. Students are expected to make an independent study of the fragments of one of the early philosophers, and to write an essay embodying the results of their study.

The subjects of examination will be, in addition to the lectures, the following:—

Schwegler's History of Philosophy, Chapters 1-21 inclusive; Mill's System of Logic, Books IV. and V.; James' Principles of Psychology, Chapters 10, 16 inclusive; selected portions from Bosanquet's Logic, Lotze's Logic, and Hobhouse's Theory of Knowledge; Plato's Theatetetus (by S. W. Dyde); Fraser's Selections from Berkeley.

o. The lectures of this Year form two courses. One is devoted to the earlier period of Modern Philosophy. After sketching the transition from Mediaeval to Modern thought, the course gives some account of the Empirical movement started in England by Bacon and Hobbes, and developed by Locke and his school. The Idealistic tendency of speculation during this period is sketched mainly in three movements:—that which began in England with the Cambridge Platonists, and culminated in Berkeley; the German movement originated by Leibnitz, and formulated by Wolf; the Cartesian movement, which culminated in Spinoza. The course closes with a lengthy exposition of Kant's three Critiques.

Hartley to Herbert Spencer. The lectures discuss the chief characteristics of English thought during the last one hundred and fifty years, more particularly as shewn in the works of English psychologists and political writers during that time. The writers to whom special attention is given are: in Psychology—Priestley, Hartley, Erasmus Darwin, the two Mills, Bain, and Herbert Spencer; in Political and Social Science—Burke, Paine, Godwin, Paley, Bentham, Malthus. References are also made to minor writers, whose work may be deemed to be of sufficient importance in the general movement and development of philosophy. No text-book is specially recommended; but the student is expected to read appointed selections from the writers under discussion, as well as to consult Leslie Stephen's History of English Thought in the Eighteenth Century, and a few chapters in Lewes' History of Philosophy.

Fourth Year. The principal points emphasized in the lectures are the empirical character of the English school in psychology and metaphysics, and the practical, utilitarian view of English political writers.

Students are expected to write an essay exhibiting an independent study of one of the modern philosophers.

The subjects of examination, in addition to the lectures, will be Erdmann's History of Philosophy, Vol. II. (Engl. Transl.); James' Principles of Psychology, Vol. II.; Spencer's First Principles; Watson's Outline of Philosophy; Mill's System of Logic, Book VI; Aristotle's Nicomachean Ethics; Zeller's Stoics, Epicureans and Sceptics; Spinoza's Ethics; Watson's Selections from Kant; Maine's Ancient Law.

The Honour lectures are in gener. four a week in each year.

Mathematical and Physical Sciences. (Ordinary Courses.)

Professors:—A. Johnson, M.A., LL.D. (Mathematics and Astronomy).

John Cox, M.A. (Physics).

E. Rutherford, M.A. (Physics).

Lecturer:—Rev. H. M. Tory, M.A. (Mathematics). Demonstrators in Physics:—R. O. King, B.A.Sc.; R. K. McClung,

B.A.; J. W. Fraser, B.Sc.

First Year.

Ordinary I. MATHEMATICS—Arithmetic.—Euclid, Books I, 2, 3, 4, 6 (omitting propositions 27, 28, 29), with definitions of Book 5, TODHUNTER'S edition, or HALL and STEVENS, the latter is recommended to students in advanced sections especially .-Colenso's Algebra (Part I) to end of Quadratic Equations, or HALL AND KNIGHT'S Elementary Algebra.—HALL AND KNIGHT'S or Lock's Elementary Trigonometry. Nature and use of Logarithms.

Four hours a week.

Ordinary 2. Physics.—This course has two objects:—(1) to give the mini-First Year, mum acquaintance with Physical Science requisite for a liberal education to those whose studies will be mainly literary; (2) to be introductory to the courses in Chemistry and other branches of Natural Science, and to the more detailed courses in Physics in the Third and Fourth Years. Only the most important principles in each branch of the subject will be treated, as far as possible with reference to their historical development and mutual relations; and they will receive concrete illustration in the study of the principal instruments in daily use in the laboratory. Two illustrated lectures will be given per week. During the session each student will be required to at-

tend in the laboratory ing the use of the fol meter, Thermometer, S. vanonicter, Wheatstone'.

Outline of Syllabus. Phenomena ("States ; Acceleration, Laws o Parallelogram Law fo Simple Machines. U lum, Fluid Pressure, of Mechanics, indicatin

The missing Energy Intensity, Pitch and Q and Organ Pipe. Res

- (2) Heat. Tempera Fusion and Vaporisat Mechanical Equivalen Radiation to common
- (3) Light. Reflection Lens, Microscope, Te of Interference and sk
- (4) Electricity and 1 Induction Machine, th idea of Potential. Th tricity. Magnetic Pole pass and Terrestrial M and Storage Cell. 7 Batteries. Ohm's Lav ance, Electromotive I tors and Magnetic F Electro-magnet. Indu mo. Applications to Power.

Conclusion .- Restater in complete form. D Two hours a week.

3. A. MATHEMATICS. portion and Var. Notation; Loga Determinants; (Euclid, Bk. X ent):-Spherical angles with pro and formulae).

ctures are the empirical gy and metaphysics, and tical writers.

chibiting an independent

to the lectures, will be (Engl. Transl.); James's First Principles; Watof Logic, Book VI; Stoics, Epicureans and ons from Kant; Maine's

week in each year.

l Sciences.

thematics and Astron-

natics).

I.Sc.; R. K. McClung,

s I, 2, 3, 4, 6 (omitefinitions of Book 5, TEVENS, the latter is sections especially.— Quadratic Equations, Algebra.—HALL AND nometry. Nature and

(1) to give the minisite for a liberal eduerary; (2) to be introbranches of Natural Physics in the Third at principles in each ossible with reference ations; and they will principal instruments lectures will be given ll be required to attend in the laboratory eight times, and make measurements involving the use of the following instruments: -Balance, Pendulum, Barometer, Thermometer, Sonometer, Telescope or Microscope, Tangent Galvanometer, Wheatstone's Bridge.

Outline of Syllabus. The scope and method of Science, Primary Phenomena ("States and Properties of Matter"), Motion, Velocity, Acceleration, Laws of Motion, Momentum, Energy. Work. The Parallelogram Law for Velocities and Forces, Equilibrium and the Simple Machines. Uniform circular motion, Vibration, the Pendulum, Fluid Pressure, the Barometer, Specific Gravity. Summary of Mechanics, indicating the principle of the Conservation of Energy.

The missing Energy traced in (1) Sound. Nature of wave Motion. Intensity, Pitch and Quality of Musical Notes. The stretched String

and Organ Pipe. Resonance.

(2) Heat. Temperature and the Thermometer. The Calorimeter, Fusion and Vaporisation. Laws of Boyle and Gay-Lussac. The Mechanical Equivalent. Application of Conduction, Convection and Radiation to common problems of Climate, Ventilation, etc.

(3) Light. Reflection, Refraction, the Spherical Mirror, Prism, Lens, Microscope, Telescope, Spectroscope, Polariscope. Principle

of Interference and sketch of the Undulatory Theory.

(4) Electricity and Magnetism. The Electrophorus, the Modern Induction Machine, the Condenser. Coulomb's Law of Force. The idea of Potential. The Quadrant Electrometer. Atmospheric Electricity. Magnetic Pole, Moment, Field and Law of Force. The Compass and Terrestrial Magnetism. Effects of Current. The Voltameter and Storage Cell. The Galvanometer. Heating Effects. Simple Batteries. Ohm's Law. Units and Measurement of Current Resistance, Electromotive Force. Mutual Mechanical Effects of Conductors and Magnetic Fields. Principle of the Electric Motor. The Electro-magnet. Induction of Currents, and Principle of the Dynamo. Applications to Telegraph, Telephone, Lighting, and supply of Power.

Conclusion.—Restatement of Principle of Conservation of Energy in complete form. Dissipation of Energy.

Two hours a week.

3. A. Mathematics.—Algebro.—The three Progressions; Ratio, Proportion and Variation; Permutation and Combination; Scales of Notation; Logarithms; Interest and Annuities; Elements of Determinants; Geometrical Conic Sections—Solid Geometry (Euclid, Bk. XI and first two props of Bk. XII, or equivalent):—Spherical Trigonometry (Solution of Spherical Triangles with proofs of the necessary preliminary propositions and formulae).

Second Year. Text-Books:—HALL AND KNIGHT'S Higher Algebra; WILSON'S Solid Geometry and Conic Sections.

3. B. DYNAMICS:—This course is chiefly experimental, and deals with:—Range and Time of Flight of Projectiles; Morin's Machine; Laws of direct Impact of Elastic Bodies; Simple Harmonic Motion; Simple and Compound Pendulum; Determination of Gravity; Moments of Inertia, and their Experimental Determination; Moment of Momentum, and Energy of a Rotating Body.

Three hours a week,

Fourth Year. 4. MATHEMATICS.—Elementary parts of the Differential and Integral Calculus; Elementary Analytical Geometry.

Four hours a week.

Third or Fourth Year. ASTRONOMY AND OPTICS.—Two hours a week. Half course.

- 5. A. ASTRONOMY.—GALBRAITH and HAUGHTON'S Astronomy or Brinkley by Stubbs and Brunnow. Lockyer's Elementary Astronomy (English edition), and Gall's "Easy Guide to the Constellations" are recommended as introductory.—The subject is taken with Optics as a half course. The lectures will be given before Christmas. First term; two hours a week.
- 5. B. Optics.—Two hours a week, from January to end of Session. Text-book.—Galbraith and Haughton.

Third Year.

- 6. A. MECHANICS AND HYDROSTATICS.—Text-book, Loney, Mechanics Half course.
- 6. B. OPTICS as above.

EXPERIMENTAL PHYSICS.—(First Course).—LAWS OF ENERGY, SOUND, LIGHT AND HEAT. Text-book, GANOT or JONES.

Lectures fully illustrated; two hours a week, with Laboratory Course, three hours a week.

Third Year.

- A. Sound.—Velocity of Sound; Determination of Rates of vibration of Tuning Forks; Resonance; Laws of vibration of strings.
- 7. B. Light.—Photometry; Laws of Reflection and Refraction; Indices of Refraction; Focal Lengths and Magnifying Powers of Mirrors, Lenses, Telescopes and Microscopes; the Sextant, Spectroscope, Spectrometer, Diffraction Gratting, Optical Bench and Polariscopes.
- 7. C. Heat.—Construction and Calibration of Thermometers; Melting and Boiling Points; Air Thermometer; Expansion of solids, liquids and gases; Calorimetry; Specific and Latent Heats; Laws of Vapour Pressure; Radiation; the Mechanical Equivalent of Heat.

8. EXPERIMENTAL 1 MAGNETISM. T Lectures fully i Course, three h MAGNETISM.—Meast of a Magne and Oscill mination of Electricity. measuremen tremotive Electromete netic Induct N.B.-For Advance Students and Graduat Faculty of Applied Sc

> Mathema (Advanced

- 9. MATHEMATICS.—I.

 Euclid; Hall as

 Burnside and I.

 Two or three he
- and PRESTON,
 Conic Sections,
 sive; WILLIAMS(
 course).
 Three hours a v
 - (b) MATHEMAT
- and Boole or Geometry of Th ASTRONOMY.—Go Two hours a we
- chapters; Willi 8 inclusive; Bes. 1, 2, 3, 7; Park Two hours a EXPERIMENTAL

Higher Algebra; WILSON'S

experimental, and deals jectiles; Morin's Machine: Simple Harmonic Motion; nination of Gravity; Mo-Determination; Moment Body.

the Differential and ical Geometry.

week. Half course. GHTON'S Astronomy or OCKYER'S Elementary As-"Easy Guide to the Conductory.-The subject is he lectures will be given ours a week. nuary to end of Session.

book, Loney, Mechanics

).-LAWS OF ENERGY, GANOT OF JONES. week, with Laboratory

nination of Rates of ance; Laws of vibration

ction and Refraction; ngths and Magnifying opes and Microscopes; neter, Diffraction Grat-

Thermometers; Meltnometer; Expansion of ry; Specific and Latent Radiation; the MechanEXPERIMENTAL PHYSICS.—(Second Course.)—ELECTRICITY AND MAGNETISM. Text-book, GANOT or S. P. THOMPSON. Lectures fully illustrated; two hours a week, with Laboratory Course, three hours a week.

MAGNETISM.—Measurement of Pole Strength and Moment of a Magnet; the Magnetic Field; Methods of Deflection and Oscillations; Comparison of moments and determination of elements of Earth's magnetism. Frictional Current Electricity.-Complete course of measurements of Current Strength, Resistance and Electremotive Force; Calibration of Galvanometers; the Electrometer; Comparison of Condensers; Electromagnetic Induction.

N.B.—For Advanced Courses intended for Electrical Engineering Students and Graduates pursuing the study of Physics, see Calendar, Faculty of Applied Science.

Mathematical and Physical Sciences.

(Advanced Sections and Honour Courses.)

(a) MATHEMATICS.

Advanced Sections. First Year.

Second

Year.

- 9. MATHEMATICS.—HALL and STEVENS, Euclid; CASEY, Sequel to Euclid; HALL and KNIGHT, Advanced Algebra; TODHUNTER or BURNSIDE and PANTON, Theory of Equations (selected course), Two or three hours each week.
- 10. MATHEMATICS.-LOCK, Higher Trigonometry, with McClelland and Preston, Spherical Trigonometry, Part I; Salmon, Conic Sections, chapters 1, 2, 3, 5, 6, 7, and 10 to 13 inclusive; WILLIAMSON, Differential and Integral Calculus (selected course).

Three hours a week.

(b) MATHEMATICS AND NATURAL PHILOSOPHY.

Honour Courses Third and Fourth Years.

Third

Year.

- II. MATHEMATICS.—WILLIAMSON, Differential and Integral Calculus; and Boole or Forsyth, Differential Equations, or Salmon, Geometry of Three Dimensions (alternate years). ASTRONOMY.—GODFRAY. Two hours a week.
- 12. MATHEMATICAL PHYSICS.—MINCHIN, Statics, Vol. I (selected chapters; Williamson and Tarleton, Dynamics, Chaps. 1 to 8 inclusive; Besant, Vol. I., Hydro-Mechanics, Part I., chaps. 1, 2, 3, 7; PARKINSON, Optics. Two hours a reek. EXPERIMENTAL PHYSICS.—Course 7.

Fourth Year.

Fourth Year.

Fourth Year. 13. Physical Astronomy.—Godfray, Lunar Theory; or Cheyn Planetary Theory; Newton, Principia, Lib. I, secs. 9 and 1 with the necessary preliminary propositions.

Fourth Year. 14. MATHEMATICAL PHYSICS.—MINCHIN, Statics, Vol. II., selected chapters; Williamson and Tarleton, Dynamics; Route Dynamics of a Rigid Body (for reference); Besant, Hydromatics; Preston, Theory of Light; Cumming, Theory of Electricity.

EXPERIMENTAL PHYSICS.—Course 8.

A special course for Graduates and Advanced Students will be delivered during the Session 1900-1901, by Professor Cox, at hour to be arranged. Subject—The Relations between Optics and Electricity.

Honour Courses. Third Year.

Fourth

Year.

(c) EXPERIMENTAL PHYSICS.

15. Courses 7, 8, (10 hours a week). Elements of the Calculus Simple Differential Equations; Elements of Analytical Geometry Elementary Dynamics of a Particle; Elementary Rigid Dynamics.

16. Advanced Courses in Heat, Optics and Electricity. A shor course in Physical Chemistry.

Chemistry.

Professors:—B. J. Harrington, M. A., Ph.D., LL.D.
J. Wallace Walker, M.A., Ph.D.
Lecturer:—Nevil Norton Evans, M.A.S.
Demonstrators:—James Henderson, B.Sc., Ph.D.

Second Year. GENERAL CHEMISTRY.—A Course of lectures on Elementary Chemical Theory, and on the principal elements and their compounds. The lectures are fully illustrated by means of experiments.

Text-Book.—Remsen's Introduction to the Study of Chemistry.

Three hours a week.

ELEMENTARY PRACTICAL CHEMISTRY.—This course is compulsory for all undergraduates taking the above course of lectures. The work includes experiments illustrative of the Laws of Chemical Combination, the Preparation of Pure Chemical Compounds, and elementary Qualitative Analysis.

Six hours a week.

Third Year. INORGANIC CHEMISTRY.—An elementary course on the more important Chemical Industries.

Two hours a week during the first term, and one during the ics (Course 4); (4) Dit second.

ELEMENTARY OR lectures on Org students intend Year.

Two hours a

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Note.—The Organ Term for Biological knowledge of the met

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, Lunar Theory; or CHEYN ncipia, Lib. I, secs. 9 and 1 propositions.

HIN, Statics, Vol. II., selected RLETON, Dynamics; Rout r reference); BESANT, Hydro of Light; CUMMING, Theor

l Advanced Students will by Professor Cox, at hour s between Optics and Electri

L PHYSICS.

Elements of the Calculus nts of Analytical Geometry ementary Rigid Dynamics.

ics and Electricity. A short

M. A., Ph.D., LL.D. M.A., Ph.D. M.A.S. on, B.Sc., Ph.D.

ectures on Elementary Chemil elements and their comistrated by means of experi-

on to the Study of Chem-

-This course is compulsory ove course of lectures. The tive of the Laws of Chemn of Pure Chemical Com-: Analysis.

ry course on the more im-

ELEMENTARY ORGANIC CHEMISTRY.—An elementary course of lectures on Organic Chemistry for Biological Students and for students intending to take Organic Chemistry in the Fourth Year.

Two hours a week during the second term.

ADVANCED PRACTICAL CHEMISTRY.—Laboratory practice in methods of gravimetric, volumetric and electrolytic Quantitative Analysis.

Note.—The Organic Laboratory will be open during the Second ferm for Biological Students who desire to obtain an elementary nowledge of the methods employed in preparing organic substances.

ORGANIC CHEMISTRY .- A systematic course of lectures on Organic Chemistry, including the Analysis of Organic Substances, Calculation of Formulae, Determination of Molecular Weights, Polymerism, Isomerism, etc., followed by a discussion of the more important derivatives of the Fatty and Aromatic Series of Compounds. Students intending to enter the Medical Faculty would find this course of great advantage.

Two hours a week.

PRACTICAL ORGANIC CHEMISTRY.—A complete course on the preparation and analysis of Organic Substances, with determinations of Molecular Weights, etc.

Physical Chemistry.—The lectures on Physical Chemistry are divided into two parts. In the first term they include a study of such physical properties of gases, liquids and solids as are known to depend upon their Chemical Constitution. Thermo-Chemistry and the Law of Mass Action. The second term is devoted to Electro-chemistry. The lectures will be based upon the application of the gaseous laws to solutions.

PRACTICAL PHYSICAL CHEMISTRY.—Laboratory work will include the various methods of determining the Molecular Weights of gases and of substances in solution, accurate measurements of densities, refractive indices, surface tensions, and specific rotations; also examples of chemical statics and kinetics, and electro-chemical measurements.

MINERAL ANALYSIS .- A course of laboratory work comprising advanced quantitative analysis and investigation of the constitution of mineral species.

(1) Chemistry; (2) Experimental Physics (Course 7); (3) Mechanst term, and one during the ics (Course 4); (4) Differential and Integral Calculus (4 hours a week

Year.

Fourth

Honour Courses. Third Year.

for first half of second term or 2 hours a week for whole term), with Biology, or Geology, or Mineralogy.

Fourth Year.

(1) Chemistry (Organic and Physical); (2) Experimental Physics (Course 8).

Mineralogy.

Professor:—B. J. Harrington, M.A., Ph.D. Demonstrator:-

Honours. Third Year I.

MINERALOGY.—Lectures and demonstrations illustrated by models and specimens in the Peter Redpath Museum and the Macdonald Chemistry and Mining Building. Among the subjects discussed are: Crystallography; physical properties of minerals dependent upon light, electricity, state of aggregation, etc.; chemical composition, calculation of mineral formulæ, quantivalent ratios, etc.; principles of classification, description of species.

Two hours a week.

Fourth Year.

2. MINERALOGY (In continuation of No. 1).—Description of species, particular attention being paid to those which are important as rock constituents and to the economic minerals of Canada.

First term, two hours a week.

Third Year 3. DETERMINATIVE MINERALOGY .- Laboratory practice in blowpipe analysis and its application to the determination of mineral species. This work is carried on in the new laboratory provided for the purpose in the Chemistry and Mining Building. Thursday, 2 to 5 p.m.

Elementary Biology

Professors:-D. P. Penhallow, M.Sc. E. M. MacBride, M.A., D.Sc.

I. This course is designed for those who may wish an introduction Second Year. to the principles of general biology, but who cannot carry such work Elementary beyond the limits of an elementary course; for students in Arts pro-Biology. ceeding to Medicine, and also for those who may wish to take the more advanced work of the Third and Fourth Years to which it will be introductory.

> a. Zoology.—First half-session.—This course will comprise the study of a selected number of types leading up to and including the rudiments of vertebrate anatomy, and forming an introduction

to the more sy The types selec Lumbricus, Scy BOTANY.—Second ber of type stud and including o general structure the principles o of carbon, the ex of plants to ani For 1900-1901 laria, Spirogyra, ria, Agaricus, M This course w the Third and I Two lectures a

> Professor:-Lecturer:-C

- I. PLANT BIOLOGY. tory to the more and will be repi ing one of the C Two lectures a
- 2. SPECIAL MORPHOLO hensive knowled ships and the pr forms. Attentior of plants as indic This work will the various grot Year and of spe Palaeo-botany.

For 1900-1901,

- Introa ctory.-The c of amplifications; paration of micro This part of the of the microscope
- b. Critical studies of t as illustrated by a

ek for whole term), with

2) Experimental Physics

M.A., Ph.D.

Museum and the Macg. Among the subjects I properties of minerals of aggregation, etc.; ineral formulæ, quantification, description of

1).—Description of to those which are the economic minerals

practice in blowpipe ermination of mineral e new laboratory proand Mining Building.

M.Sc. M.A., D.Sc.

wish an introduction nnot carry such work students in Arts pronay wish to take the Years to which it will

ill comprise the study to and including the ning an introduction to the more systematic work of the Third and Fourth Years. The types selected for 1900-1901, will include Amœba, Hydra, Lumbricus, Scyllium and Rana.

b. Botany.—Second half-session.—This course will comprise a number of type studies, commencing with the lowest forms of life and including one of the Gymnosperms. It will deal with the general structure of the plant body; the differentiation of organs; the principles of movement, nutrition, respiration and fixation of carbon, the evolution of plant forms, and the general relations of plants to animals.

For 1900-1901, the types will include a myxomycete, Rivularia, Spirogyra, Pleurococcus, Oedogonium, Fucus, Umbilicaria, Agaricus, Mnium, Pteris, Lycopodium, Pinus or Larix.

This course will form the basis of more extended studies in the Third and Fourth Years.

Two lectures and two laboratory periods each week.

Botany.

Professor:—D. P. Penhallow, M.Sc. Lecturer:—C. M. Derick, M.A.

PLANT BIOLOGY. (See above b).—This course is introductory to the more advanced work of the Third and Fourth Years, and will be represented by a number of types as far as and ing one of the Gymnosperms.

Two lectures and two laboratory periods each week.

Special Morphology.—This course is designed to give a comprehensive knowledge of the structure of plants, their relationships and the principles of development as illustrated by type forms. Attention will also be given to the ecological relations of plants as indicated by special structural modifications.

This work will serve as the basis of more special studies in the various groups represented, of the work of the Fourth Year and of special studies in Bacteriology, Physiology and Palaeo-botany.

For 1900-1901, it will comprise:

a. Introa ctory.—The construction of the microscope; determination of amplifications; micrometry; drawings; section cutting; preparation of microscopic objects.

This part of the work presupposes familiarity with the optics of the microscope as given in Physics (3) of the Second Year.

b. Critical studies of the Thallophyta, Bryophyta, and Pteridophyta as illustrated by a Myxomycete, Diatoms. Chroococcus, Nostoc,

Ordinary Second Year.

Ordinary Third Year. Rivularia, Bacteria, a Desmid, Spirogyra, Pleurococcus, Volvox; Oedogonium, Vaucheria, Chara, Fucus, Nemalion, Rhizopus, Eurotium, Umbilicaria, Puccinia, Agaricus, Anthoceros, Mnium, Pteris, Equisetum, Lycopodium, Selaginella.

Comparisons with other members of the various groups will be made as far as time permits.

Two lectures and two laboratory periods each week.

This course will be open to all students of the Third Year during the session of 1900-1901, after which the Elementary Biology of the Second Year will be required as a basis.

Ordinary Fourth Year.

For the session of 1900-1901, the work of the Fourth Year will be a continuation of, and open to all students who have satisfactorily completed the work of the previous year. The course will include critical studies of the Thallophyta, Bryophyta and Pteridophyta, together with special readings on Biological problems. The following types will be studied:—A Myxomycete, Diatoms, Chroococcus, Nostoc, Rivularia, Bacteria, a Desmid, Spirogyra, Pleurococcus, Volvox, Oedogonium, Vaucheria, Chara, Fucus, Nemalion, Rhizopus, Eurotium, Umbilicaria, Puccinia, Agaricus, Anthoceros, Mnium, Pteris, Equisetum, Lycopodium, Selaginella.

Comparisons with other members of the various groups will be made as far as time permits.

Two lectures and two laboratory periods each week.

For the session of 1900-1901, the work of the Fourth Year will be taken at the same time as that of the Third Year.

HONOUR COURSE IN BIOLOGY.

Honours. Third Year. [For the Zoological part of this course, see p. 101.]

4. Students electing Honours in the Third Year, will, in addition to the ordinary work of that year, take a special course of reading under the direction of the professor, who will hold a colloquium once a week for the purpose of giving direction and advice in such work.

For 1900-1901, the special readings will comprise CAMPBELL, Evolution of Plants.

VINES, Physiology of Plants, together with such special memoirs as may be selected.

One hour each week.

Honours, Fourth Year.

5. For the session of 1900-1901, students electing Honours in the Fourth Year will take the same readings as, and together with the Third Year.

One hour each week.

It is anticipated that made for a special cou as a part of the Honou

> Professor:—Ern Demonstrator:—

- I. Animal Biology [s careful study of ce ing a knowledge structure. It form Two lectures and tumn term.
- 2. ELEMENTARY ZOOLOG of all the principal kingdom. Special tives of those gro fossil record, in o study of Geology. a number of vertebro of the principle fea by the skeletons in

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One hour a week.

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Fourth Year will be who have satisfacyear. The course yta, Bryophyta and on Biological pro-1:—A Myxomycete, Bacteria, a Desmid, conium, Vaucheria, tium, Umbilicaria, Pteris, Equisetum.

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g Honours in the together with the

It is anticipated that for the session of 1901-1902, provision may be made for a special course in experimental Plant Physiology, either as a part of the Honours work, or as post-graduate work.

Zoology.

Professor:—Ernest William MacBride, M.A., D.Sc. Demonstrator:—F. Slater Jackson, M.D.

I. Animal Biology [see Biology, p. 98].—This course includes a careful study of certain selected types leading up to and including a knowledge of the fundamental principles of vertebrate structure. It forms part of the course on General Biology.

Two lectures and two demonstrations a week during the autumn term.

2. ELEMENTARY ZOOLOGY.—This course consists of a general survey of all the principal types of structure met with in the animal kingdom. Special attention will be paid to living representatives of those groups, which are largely represented in the fossil record, in order to prepare students for an intelligent study of Geology. In the winter term (New Year till Easter), a number of vertebrate types will be dissected and a study made of the principle features of vertebrate osteology as illustrated by the skeletons in the collection of the Redpath Museum.

In the near future, a knowledge of the course in Animal Biology will be assumed in the case of students electing to take Zoology in the Third Year. In the session 1900-1901, however, arrangements will be made to enable students taking Zoology for the first time to make themselves acquainted with the work done in the Second Year.

Two lectures and two demonstrations a week throughout the session.

HONOUR COURSE IN BIOLOGY.

[For the Botanical portion of this course see p. 100.]

Biology will take the ordinary work, and, in addition, will be expected to pursue a course of reading. The professor will, once a week, hold a colloquium in order to give direction and advice in this course.

The books required for the session 1900-1901 will be:
DARWIN. Origin of Species.
VERWORN. General Physiology (English edition).
One hour a week.

Ordinary Second Year.

Ordinary Third Year.

Honours: Third Year. Honours. Fourth Year.

4. A special Honours course will be given during the Fourth Year. This will include:

(a). A study of those of invertebrate groups not dealt with in (3)—specially of those which are of interest on account of their parasitic habits and their relation to disease.

(b) A study theoretical and practical of Embryology and Organogeny, combined with a discussion of the most prominent disputed questions in Zoological Science.

During the session 1900-1901 the course will also include a study of Vertebrate Osteology as in former years.

In addition, the following course of extra reading will be required, viz.:—

WALLACE.--Island Life.

WOODWARD.—Vertebrate Palaeontology.

A short weekly essay on some selected point will be likewise expected.

Two lectures and two demonstrations a week throughout the term. N.B.—No student is permitted to attend the lectures without taking the practical work. Under the regulations of the new curriculum, the special fee for the use of the laboratory is abolished, but the sum of \$2.50 is exacted from each student in order to cover the cost of the class-book and some other necessaries which are supplied to him, and become his property. This sum need only be paid once; if the student attends a second course in the department it is not required.

Geology.

Professor:—Frank D. Adams, M.A.Sc., Ph.D. Demonstrator:—Osmond E. Leroy, B.A.

Ordinary
Third
Year.
(Fourth
Year, Old
Curriculum)

I. General Geology.—The lectures will embrace a general survey of the whole field of Geology, and will be introduced by a short course on Mineralogy. Especial attention will be devoted to Dynamical Geology and to Historical Geology including a description of the fauna and flora of the earth during the successive periods of its past history.

The lectures will be illustrated by the extensive collections in the Peter Redpath Museum, as well as by models, maps, sections and lantern views. There will be an excursion every Saturday until the snow falls, after which the excursion will be replaced by a demonstration in the Museum.

Text-Book.—Scott, An Introduction to Geology. Books of Reference.—Dawson, Hand-Book of Geology; Dana, Manual of Geology

Three hours a week throughout the year, with additional excursions and demonstrations as above stated.

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In the Fourth Year

and 6).

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3. A. Palæontology.
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One lecture a stration a week, Museum.

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3. B. Physiography.—
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4. PRACTICAL GEOLOGY
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HONOURS COURSE IN GEOLOGY AND MINERALOGY.

[For Mineralogical portion of this course see p. 98.]
In the Third Year, students pursuing the Honours Course will take the Ordinary work (General Geology, 1).

In the Fourth Year they will take following courses (2, 3, 4, 5 and 6).

2. Petrography.—The modern methods of study employed in Petrography are first described, and the classification and description of rocks is then taken up.

One lecture a week during the first term. One afternoon a week throughout the year will be devoted to special microscopical work in the Petrographical Laboratory.

Text-Book.—Harker, Petrology for Students.

Books of Reference.— ROSENBUSCH, Mikroskopische Physiographie, and RUTLEY, Rock-forming Minerals.

3. A. Palæontology.—An extension of the Palæontology of Course I, with special studies of some of the more important groups of fossils.

One lecture a week during the second term and one demonstration a week, with special studies in the Peter Redpath Museum.

Books of Reference.—Nicholson and Lydekker, Manual of Palæontology; Zittel, Text-Book of Palæontology.

3. B. Physiography.—Adescription of Land Forms with reference to classification, drainage development and climatic control.

Special attention will be paid to the influence of Geographical factors in the history of man. The physical features will be taken up during the latter half of the course.

One lecture and one demonstration a week during the se-

In the session of 1900-1901, course 3 B., but not 3 A., will be given.

4. Practical Geology and Ore Deposits.—A description of the methods employed in carrying out Geological Surveys, and in preparing Geological Sections. Special Studies in folding, faulting, etc., concluding with a general treatment of the nature and mode of occurrence of Ore Deposits.

One lecture or demonstration a week throughout the year. Text-Books.—Geikie, Outlines of Field Geology; Kemp, Ore Deposits of the United States. Phillips and Louis, A Treatise on Ore Deposits.

Honours. Fourth Year. Honours. Fourth Year.

5. CANADIAN GEOLOGY.—A general description of the Geology and Mineral Resources of the Dominion.

One lecture a week during the second term.

Text-Book.—Dawson, Hand-book of Geology.

Books of Reference.—The Reports of the Geological Survey of Canada.

6. Geological Colloquium.—A discussion each week of some Geological topic, references to the literature of which have The been given by the Professor in the week preceding. course is intended to give students some acquaintaince with Geological literature, as well as a wider knowledge of the great principles which underlie the Science.

One hour a week in second term.

N.B.-A large amount of additional private reading will also be required of Candidates for Honours.

Students taking any of these courses are entitled to tickets of admission to the Museum of the Natural History Society of Montreal.

* Course for B.A. Honours in Geology and Mineralogy.

THIRD YEAR.—GEOLOGY (ordinary of Third Yer.

MINERALOGY. Zoology (ordinary of Third Year). CHEMISTRY (of Second or Third Year).

FOURTH YEAR.—GEOLOGY (Advanced)—(Lectures, Lab. work, Colloquium, Reading.) MINERALOGY (Advanced).

BOTANY (ordinary of Third Year). SURVEYING.

Fconomics and Political Science

Lecturers:

Professor James E. LeRossignol, M.A. (McGill), Ph.D. (Leipzig), of the University of Denver, Colorado.

During the session 1900-01 a full course will be given in the above department, counting as an option in the Third or Fourth Year of the new undergraduate curriculum for the degree of B.A. The course will be open also to Partial Students and others.

Alternatively, each subject may be taken as a half-course-Economics up to Christmas, and Political Science from January to the end of March.

I. Economics.—Scot economic theory; publ and distribution of wea profits; wages; money labourers; speculation; generally the industrial

Text-books and Bo Ingram's History of Political Economy; G shall's Principles of E Macfarlane's Value, Pr tical Economy.

Following the half c course on Political S

2. POLITICAL SCIENCE its province and prob sciences; origin of gov the village community; liberties; revolutions; v America and France; p railways, municipal ow socialism, international

Text books and Boo Kechnie's The State a ence: Lowell's Govern Dilke's Problems of Gre references to the curren Four hours a week.

Professor

I. A Course is offered Year students in Arts, degree. For details, se

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The complete course course of fifty lectures t

1. For Session 1900-19 (1). The origins of art pticn of the Geology and

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Y AND MINERALOGY.

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Science

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l be given in the above ird or Fourth Year of ee of B.A. The course

a half-course—Econom January to the end of I. Economics.—Scope and method of Economic Science; history of economic theory; public and private wealth; consumption, production and distribution of wealth; theory of value; theory of rent; interest and profits; wages; money and credit; combinations of employers and of labourers; speculation; transportation; commercial development and generally the industrial organization of society.

Text-books and Books of Reference:—Hadley's Economics and Ingram's History of Political Economy; Rullock's Introduction to Political Economy; Gide's Principles of Political Economy; Marshall's Principles of Economics, Macleod's Elements of Economics; Macfarlane's Value, Price and Distribution; Cohn's History of Political Economy.

Following the half course on Economics will come a second half course on POLITICAL SCIENCE as under:—

2. POLITICAL SCIENCE.—The general principles of Political Science, its province and problems; relations to the social and economic sciences; origin of government and law; history of early institutions; the village community; growth of the British Constitution and English liberties; revolutions; written constitutions; democracy in England, America and France; protection and free trade; bi-metallism, wages, railways, municipal ownership, trusts, economic crises, anarchy and socialism, international relations.

Text books and Books of Reference:—Wilson's The State; Mc-Kechnie's The State and the Individual; Woolsey's Political Science; Lowell's Government and Parties in Continental Europe; Dilke's Problems of Greater Britain; The Statesman's Year Book, with references to the current literature of the subject.

Four hours a week.

Roman Law.

Professor:-F. P. Walton, B.A., B.C.L.

I. A Course is offered in Roman Law, open to Third and Fourth Year students in Arts, and qualifying as an option for the B.A. degree. For details, see p. 201.

Art (History of) and Archaeology.

S. Henbest Capper, M.A., Macdonald Professor of Architecture.

The complete course will be comprised in two sessions, a half course of fifty lectures being given each session.

I. For Session 1900-1901 the subjects included will be as follows:—
(1). The origins of art and the sources of artistic expression, with

Third or Fourth Year. special reference to materials and technical processes and the limitations these impose.

(2). A survey of the history of architecture, sculpture, painting, and the industrial arts in the ancient world: Egypt; Assyria; Greece; Rome.

(3). Outlines of the topography and archaeology of Greece and Rome, more especially Athens; Olympia; Rome; Pompeii.

The lectures will be delivered in the Architecture Class room, Engineering Building, on Mondays and Thursdays, at 3 p.m. They will be illustrated by lantern slides, casts, photographs, diagrams, etc.

Text-books.—Baldwin Brown, "The Fine Arts" (Murray, Scribner); Hamlin, "History of Architecture" (Longmans); Upcott, "Introduction to Greek Sculpture" (Clarendon Press).

Reference Books.—Perrot & Chipiez, Histoire de l'Art dans l'Antiquité; Murray, Handbook of Greek Archaeology; E. Gardner, Handbook of Greek Sculpture; Lanciani, Ruins and Excavations of Ancient Rome.

Meteorology.

Superintendent of Observatory:-C. H. McLeod, Ma.E.

Instruction in Meteorological Observations will be given in the Observatory at hours to suit the convenience of the senior students. Certificates will be granted to those students who pass a satis-

Certificates will be granted to those students who pass a satisfactory examination on the construction and use of meteo ological instruments and on the general facts of Meteo ology.

Pedagogy.

Principal of the Normal School:—S. P. Robins, M.A., LL.D.

Lectures on this subject will be given in the Normal School to undergraduates of the Third and Fourth Years, who wish to obtain the Provincial Academy Diploma.

Lecture hours, 3 to 4 p.m., Tuesdays and Fridays.

Physical Culture.

Medical Examiner and Instructor:-R. Tait McKenzie, B.A., M.D.

The classes will meet at the University Gymnasium at hours to be announced at the commencement of the Session. The Wicksteed Silver and Bronze Medals (the gift of Dr. R. J. Wicksteed) are offered for competition to students of the Graduating Class and to students who have had instruction in the Gymnasium for two sessions,—the silver medal to the former, the bronze medal to the latter. (See p. 35.)

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The Main Electrical fitted with a number of floor, and rest on inder slate shelves round the processes and the limita-

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VIII. LABOR ATORIES.

The Macdonald Physical Laboratories

The equipment of the Macdonald Physical Building Laboratories comprises: (1) apparatus for illustrating lectures; (2) simple forms or the principal instruments for use by the Students in practical work; (3) the most recent types of all important instruments for exact measurement, to be used in connection with special work and research.

The basement contains the cellars, furnaces, and janitor's department at the west end of the building. The machine room—containing a small gas engine and dynamo, which are fitted for testing, but can also be used for light and power, a motor-alternator and a motor-dynamo—is situated at the extreme western corner of the basement so as to be as far removed as possible from the delicate magnetic and electrical instruments. Here is also the switch board for controlling the various circuits for supplying direct or alternating current to different parts of the building. The Accumulator Room contains a few large storage cells, charged by the motor-dynamo, which are fitted with a suitable series-parallel arrangement and with rheostats for obtaining and controlling large currents up to 4,000 amperes for testing ammeters and low resistances, etc.

The Magnetic Laboratory contains magnetic instruments and variometers of different patterns, and also a duplicate of the B. A. Electro-dynamometer, which has been completely remodelled and set up with great care for absolute measurements of current. The Laboratory, on the opposite side of the basement, contains a very fine Lorenz apparatus for the absolute measurement of resistance, constructed under the supervision of Prof. Viriamu Jones. It also contains a set of Ewing Seismographs and a pair of Darwin Recording Mirrors for measuring small movements of the soil.

There is a Constant Temperature Room, surrounded by double walls, which contains a Standard Rieffler Clock, and is fitted for comparator work.

The ground floor contains at the western corner a small machine shop, fitted with a milling machine and suitable lathes and tools, driven by electric motors, and such appliances as are required for the making and repairing of the instruments, for which the services of a mechanical assistant are retained. There is also a store room for glass, chemicals and cleaning materials, and extensive lockers and lavatories for the use of the students.

The Main Electrical Laboratory is a room 60 feet by 40, and is fitted with a number of brick piers, which come up through the floor, and rest on independent foundations, in addition to the usual slate shelves round the walls. This room contains a large number

of electrometers, galvanometers, potentiometers and other testing instruments of various patterns, and adapted for different uses. It connects with a smaller room at the side, in which are kept the resistance boxes and standards, and also the capacity standards. A small research laboratory, adjoining the electrical laboratory, is fitted up for the study of electrical discharge in high vacua, and for work with Röntgen and uranium radiation, and with ultra-violet light.

The First Floor contains the Main Lecture Theatre, with seats for about 250 students. The lecture table is supported on separate piers, which are independent of the floor. Complete arrangements are provided for optical projection and illustration. The Preparation Room in the rear contains many of the larger pieces of lecture apparatus, but the majority of the instruments, when not in use, are kept in suitable cases in the adjoining apparatus room. On the same floor there is the Heat Laboratory, devoted to advanced work in Thermometry, Pyrometry and Calorimetry, and also to such electrical work as involves the use of thermostats and the measurement of the effects of temperature. There are also two smaller rooms for Professors and Demonstrators.

The Second Floor is partly occupied by the upper half of the Lecture Theatre. There is also an Examination Room for paper work, a Mathematical Lecture Room, with a special apparatus room devoted to apparatus for illustrating Mathematical Physics, and a special Physical Library chiefly devoted to reference books and periodicals relating to Physics. A store room, lavatories and Professors' Room occupy the remainder of the flat.

The Third Floor contains the Elementary Laboratory, a room 60 feet square, devoted to elementary practical work in Heat, Sound and Electricity and Magnetism. There is a Demonstrator's room adjoining, and an optical annex devoted to experiments with lenses, galvanometers, etc., which require a darkened room. On the other side of the building there is a spectroscopic room containing a six-inch Rowland grating, with mountings by Brashear, and other large spectrometers and polarimeters. Also a series of smaller optical rooms, including a photometric room, specially fitted for Arc photometry, and a dark room for photographic work. Communication between the different flats is facilitated by means of a hydraulic elevator. The building is lighted throughout by electricity, and heated by hot water. The walls are of pressed brick, and the floors of hard maple. There is a ventilating system, consisting of Tobin tubes and suitable exit flues, assisted by a fan in the roof.

The Macc

The main lecture-th from the ground floor, supplied with coal-vacuum, down-draugh the room.

Besides the main le accommodating from

The three principal 2,400 square feet, and hundred students wor and have ample hood others for more adva quantitative analysis. tories is a balance-rebest makers.

Physical Chemistry 30 by 40 feet, lighted steam, vacuum pumps sists of the apparatus gravities of solutions, of boiling point, of t constant temperature Kohlrausch's apparati of solutions, and the motive forces generat voltaic cells generally. heat effects produced floor an optical roon the refractive indices spectroscopes. Other for research work.

Immediately adjoining the Photographic depranged on the maze ances for all ordinary camera. Apparatus for the equipment.

The laboratory for fitted with a large of the room, for use arranged for work wit the apparatus of Hen or different uses. It which are kept the pacity standards. A il laboratory, is fitted vacua, and for work iltra-violet light.

Theatre, with seats apported on separate mplete arrangements on. The Preparation er pieces of lecture when not in use, are us room. On the d to advanced work and also to such elected the measurement o smaller rooms for

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On the other side ontaining a six-inch and other large specaller optical rooms, or Arc photometry, nunication between aulic elevator. The eated by hot water, hard maple. There is and suitable exit

The Macdonald Chemical I aboratories

The main lecture-theatre, extending through two stories, is entered from the ground floor, and seats nearly 250 students. The lecture-table is supplied with coal-gas, oxygen and hydrogen, electricity, water, vacuum, down-draught, etc., and can be well seen from all parts of the room.

Besides the main lecture-theatre there are three smaller class-rooms, accommodating from 40 to 60 students each.

The three principal laboratories have each a floor-space of about 2,400 square feet, and together have accommodation for nearly two hundred students working at a time. They are lighted on three sides, and have ample hood space. One is intended for beginners, and the others for more advanced work, more particularly in qualitative and quantitative analysis. In connection with each of the main laboratories is a balance-room, equipped with balances by several of the best makers.

Physical Chemistry is provided for in a special laboratory, nearly 30 by 40 feet, lighted from the north, and supplied with electricity, steam, vacuum pumps, etc. The equipment of this department consists of the apparatus necessary for the determination of the specific gravities of solutions, of the depression of freezing point, and the rise of boiling point, of the densities of gases and vapours. There are constant temperature baths for accurate measurement of solubilities, Kohlrausch's apparatus for determining the electrical conductivity of solutions, and the apparatus necessary for measuring the electromotive forces generated between metals and their solutions, and in voltaic cells generally. There are also calorimeters for measuring the heat effects produced in chemical reactions. There is on the same floor an optical room furnished with refractometers for measuring the refractive indices of solutions, goniometers, polariscopes and spectroscopes. Other forms of apparatus will be added as required for research work.

Immediately adjoining the laboratory of Physical Chemistry is the Photographic department, supplied with two dark rooms, arranged on the maze system, and supplied with the necessary appliances for all ordinary photographic work, including an enlarging camera. Apparatus for micro-photography will shortly be added to the equipment.

The laboratory for Gas Analysis has a northern exposure, and is fitted with a large tank, to contain water at the temperature of the room, for use in the measurement of gases. The tables are arranged for work with mercury, and the laboratory is supplied with the apparatus of Hempel, Dittmar, Orsat, Elliot, and others. It

contains also Fleuss, Boltwood and Töpler pumps for providing high vacua.

The laboratory for Electrolytic Analysis is supplied with accumulators, thermopile, platinum electrodes, rheostats, ammeters, voltmeters, etc.

Another room is shortly to be equipped with electric furnaces and other appliances for electro-chemical work.

The Organic Department comprises a laboratory for preparations and research, a combustion room for analysis, a dark room for polariscope and saccharimeter work, and a lecture room. The laboratory is fitted with all the necessary apparatus for organic research—special hoods for work with poisonous gases, regulating ovens for digesting and drying at various temperatures, filter presses for the extraction of raw materials, and various forms of apparatus for distillation in vacuo. The dark room is equipped with polariscopes and saccharimeters for sugar work. There is a large quantity of the necesary organic chemicals, which are supplied free of charge to students engaged in routine or research work in this department.

The laboratory for Determinative Mineralogy has places for 28 students, and is supplied with abundant material for practical work. It adjoins the lecture-room, in which the lectures on advanced mineralogy are delivered. The mineralogical department is also provided with suitable machinery, run by electricity, for cutting and polishing minerals.

The Library contains a valuable collection of the most recent English. French and German books, and sets of various journals and transactions, including the Berichte der Deutschen Chemischen Gesellschaft, Journal für praktische Chemie, Chemisches Central-blatt. Fresenius' Zeitschrift für Analytische Chemie, Annales de Chimie et de Physique, Journal of the Chemical Society, Chemical News, Mineralogical Magazine, Mineralogische und Petrographische Mittheilungen, etc. The library is open to students under such restrictions as are necessary to prevent damage or loss of books.

The rooms for allied purposes have, as far as possible, been grouped together on the same floor, and there is a hydraulic lift running from the basement to the attic. The offices and principal laboratories and supply rooms are also connected by a system of telephones. The building is practically fire-proof.

Botanical Laboratories.

The Botanical Laboratories occupy the upper floor of the central Arts building.

The laboratory for general Morphology provides table accommodation for fifty students, and is equipped with all the necessary appliances for the practical study of plants, either fresh or dry. In connection with this la plants is maintained, from which

Each student is supplied w is required to return in good of

The laboratories for special modation for twenty-four stuctomplete outfit of instruments for accurate micrometric wordrawings by means of the carment. More special instrument and photographic apparatus, in these several directions.

Ample provision for materia of the Botanic Garden, and in

An investigator's table held Laboratory, Wood's Hall, M dents as may successfully com and Fourth Years.

Bota

The Botanic Garden occup summit of the Cote des Neige one and one-half miles, and co

The conservatories embrace a total ground area of 4,600 house, 20 x 60 feet; a mixed x 60 feet; and an Australian

The collection comprises a representation of Australasian from various parts of the wor

During the winter material quantity to meet the requirem City schools as may have acq

Students are admitted to the rial for practical study, under students' tickets are issued at taking the course in Botany.

The public are admitted to except Sunday.

Zoologica

The Zoological Department floor of the east wing of Mc the floor immediately below the or providing

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accommodaessary appliIn connection with this laboratory, a large collection of dried plants is maintained, from which material is drawn for practical work.

Each student is supplied with a dissecting microscope, which he is required to return in good order at the close of the session.

The laboratories for special Morphology at present afford accommodation for twenty-four students. Each table is provided with a complete outfit of instruments and reagents. Provision is also made for accurate micrometric work, and for the production of accurate drawings by means of the camera lucida and Leitz's drawing instrument. More special instruments, including polariscope, spectroscope and photographic apparatus, afford opportunity for detailed studies in these several directions.

Ample provision for material of all kinds is found in the resources of the Botanic Garden, and in a large supply of stock preparations.

An investigator's table held by the University at the Biological Laboratory, Wood's Hall, Massachusetts, is available for such students as may successfully complete the advanced course of the Third and Fourth Years.

Botanic Garden.

The Botanic Garden occupies a commanding situation at the summit of the Cote des Neiges Hill, distant from the College about one and one-half miles, and comprises an area of about nine acres.

The conservatories embrace a continuous series of houses having a total ground area of 4,600 square feet. They include a camellia house, 20 x 60 feet; a mixed stove, 20 x 80 feet; a greenhouse, 20 x 60 feet; and an Australian house, 20 x 30 feet.

The collection comprises an important and somewhat extensive representation of Australasian plants, and type-forms of vegetation from various parts of the world.

During the winter material for practical study is provided in large quantity to meet the requirements of the College and of such of the City schools as may have acquired special privileges in this respect.

Students are admitted to the garden and allowed the use of material for practical study, under special conditions. For this purpose, students' tickets are issued at the opening of the session to all those taking the course in Botany.

The public are admitted to the garden without charge, every day, except Sunday.

Zoological Laboratories.

The Zoological Department occupies the whole of the uppermost floor of the east wing of McGill Gollege and the larger portion of the floor immediately below this one. It consists of:

- (a). A large laboratory affording accommodation for a class of 90 students.
 - (b). A smaller laboratory capable of seating about 18 students.
 - (c). Three smaller laboratories fitted up for purposes of research.
 - (d). A room fitted up for the University Osteologist.

Dissecting trays, simple and compound microscopes, reasonable quantities of the ordinary reagents and of glass are provided by the department, but students must provide themselves with dissecting instruments, and with razors.

The Department is provided with four large tanks and a number of smaller ones in order to maintain a supply of fresh specimens throughout the winter.

The subjects for practical work, are, so far as possible, selected from species inhabiting the vicinity of Montreal.

The laboratories are well provided with thermostats, microtomes, and other instruments required for advanced research. There is also a small library attached to the department.

Petrographical Laboratory.

The Petrographical Laboratory, containing the chief rock collections of the University, is situated in the Macdonald Chemistry and Mining Building, and is arranged for the use of Honour and Graduate students. It is provided with a number of petrographical microscopes by Seibert and Crouch, as well as with models, sets of thin sections, electro-magnets, heavy solutions, etc., for petrographical work.

For purposes of study and comparison, in conection with advanced work and petrographical investigation, Dr. Adams' extensive private collection of rocks and thin sections is available.

TIME TABLE

ARS	Hours.	MONDAY.	TUESDAY.	V
FIRST YEAR.	9	Latin.	Mathematics.	1
	10	Mathematics.	Greek.	7
	11	French.	German.	
	12	Physics.	French.	
	2	Greek.	English.	
	3			
SECOND YEAR.	9	German. Hebrew,	Logic.	
	10	Greek.	German, Hebrew.	
	11	Mathematics.	Chemistry.	
	12	English.	Greek.	
	2	Latin.	Biology.*	
	3	French.	Biology.	1
	4		Biology.	
	5		French.	

^{*} Zoology, first term; Botany, second ter

(2 periods a rek each) of Classes.

TIME TABLE-FACULTY OF ARTS.

ARS	Hours.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY
	9	Latin.	Mathematics.	Mathematics.	Greek.	Mathematics.	
	10	Mathematics.	Greek.	Latin.	French.	Greek.	
KEAL	11	French.	German.	German.	German,	English.	
FIRST YEAR.	12	Physics.	French.	English.	Latin.	Physics.	
*	2	Greek.	English.	French.		Latin.	
	3					German.	
	9	German. Hebrew.	Logic.	English.	German. Hebrew.	German. Hebrew.	Biology.*
	10	Greek.	German, Hebrew.	French.	Logic.	Mathematics	Biology.
	11	Mathematics.	Chemistry.	Latin.	Latin,	Greek.	Biology,
SECOND YEAR.	12	English.	Greek.	Chemistry.	English.	Chemistry.	
COND	2	Latin.	Biology.*	Logic.	Greek.	Latin.	
SE	3	French.	Biology.	Mathematics.	French.		
	4		Biology.				
	5		French.				

^{*} Zoology, first term; Botany, second term.

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rock colleclemistry and nd Graduate microscopes hin sections, work. on with adls' extensive

udents.
f research.

Hours of Laboratory Work for the Classes in Chemistry and Biology (2 periods a reck each) will be arranged to suit the convenience of Classes.

114 TIME TABLE-FACULTY OF ARTS.

	"s.	Monday.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDA
	9	Botany. Anatomy. English. Mathematics. Physics (B)	Zoology. Anatomy. Sanskrit (Adv) Ast. (a) Opt. (b)	Geol. Anat. History. Greek.	Anatomy. Latin.	Zool. Anatomy. Sanskrit (Adv) Mechanics (a) Ast.(a) Opt.(b) Hist. of Philos.	Chem. (I. Prac. Am
	10	Geology. Prac. Anat. History. Greek.	Prac. Anat. Latin	Prac. Avat. Latin.	Bot. Prac. Anat. English. Math. Physics (B)	Geol. Prac. Anat. History. Greek.	Chem. (I Phys. (I Prac. Am
EARS.	11	Prac. Anat. Hebrew. German.	Prac. Anat. Hebrew. German. Chem. (Pædagogy.)†	Prac. Anat. Mechanics Comp. Philol. Hist, of Philos.	Chem. Prac. Anat. Hebrew. German.	Prac. Anat. Hebrew. German. (Pædagogy.)†	Geol. Prac. Ana History.
URTH Y	12	Prac. Anat. Moral Phil. French.	Prac. Anat. Moral Phil. French. Physics (A)	Prac. Anat. Comp. Eng. 3, 4	Prac. Anat. Moral Phil. French. Physics (A)	Prac. Anat. Moral Phil. French.	Geol. Prac An
AND FO	2	Zool. (L) Physiol. (4) Histol. (3) Sanskrit (Adv) Mechanics Hist, of Philos.	Physics [L]	Chem. (L) Physiol. (4) Greek.	Zool. (L) Physiol. Prac.(4) Sanskrit (Adv.)	Bot. (L) Physiol. (4) Eng. Math. Physics (L)	Geol. Prac Au
THIRD	3	Zool. (L) Histol. (3) Sanskrit (Elem.)	Bot. (L) Physi. Prac. (4) Comp. Philol. Hist. of Philos. Physics (L)	Physiol, Prac.(3)	Zool. (L) Physiol. Prac.(4) Sanskrit (Elem.)	Bot. (L) La.in. Physics (L)	
	4	Art.and Arch. Physiol. (3) Logic & Met. Roman Law.	Physiol. (3) Logic & Met. Roman Law.	Physiol. Prac.(3) Roman Law.	Art. and Arch. Physiol. (3) Logic and Met. Roman Law.	Histol. (3) Logic & Met. Rom. Law (b) Const. Law (a)	
	5	Pol. Econ. Const. L. & H.	Pol. Econ. Const. L. & H.	Histol.	Pol. Econ. Const. L. & H.	Pol. Econ. Histol. (3) Const. L, & H,	

Physics (A) Heat, Light and Sound,

"(B) Electricity and Magnetism.

(L) Laboratory.

(a) During First Term.

(b) During Second Term.

† Normal School Class.

MATRICULATION, EXHIBITION, SCHOLARSHIP AND SUPPLEMENTAL EXAMINATIONS, SEPTEMBER,

						And in which was an annual contract of the con	and the control of th	The same of the sa
ATE.	Hour.	DATE. Hour. Matriculation.	First Year Exhibitions.	Supp. to First Year Sessional.	Second Year Exhibitions,	Supplemental to Intermediate.	Scholarships (Third Year).	Supp. to Third Year Sessional.
Mon. 17	6	Latin Books and Sight Translation.	Latin Books and Sight Translation.	Latin Books.	Latin Books and Sight Translation.	Latin Books.	Latin Bcoks; Math. (Anal, Geom (1))	Latin Books.
	a	Latin Grammar and Composition.	Latin Gram, Composition, Higher and Composition, Composition and Sight Translation,	Latin Composition, Sight Translation and History.	Grammar position, Composition, Composition, Composition, Composition, Composition, and History. Latin Composition, Composition and History. Literature, Latin Composition, Latin Composition, Sight Translation, and History History.	LatinComposition, Sight Translation, History and Literature,	Latin Composition and Sight Translation.	Latin Composition, Sight Translation, History and Literature.
Tues, 18	6	Mathematics Pt. 1 (Euclid).	Mathematics Pt. 1 Mathematics Pt. 1 (Euclid).	Mathematics,	Mathematics, (Eucl., Alg., Trig.)	Mathematics.	Math. (Anal. Geom. (2)); Anc. History; Chem.	Mathematics.
	N	Mathematics Pt. I (Alg. and Arith.).	Mathematics Pt. I Mathematics Pt. I (Alg. and Arith.). (Alg. and Arith.)	Mathematies.	Mathematics, (Geometry.)	Mathematics.	Greek Comp. and Sight Trans.	Greek Comp. and Sight Trans., Hist.
Wed to	c	English Grammar	Grammar Enolish Grammar.	English Literature, History and	English Literature, English Literature English Language, English Literature History and Spencer & Tenny.	English Language,	English Literature	English

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l. Econ. stol. (3) t. L. & H. MATRICULATION, EXHIBITION, SCHOLARSHIP AND SUPPLEMENTAL EXAMINATIONS, SEPTEMBER, 1900.

						115							40
Supp, to Third Year Sessional.	Latin Books.	Latin Composi- tion, Sight Trans- lation, History and Literature,	Mathematics.	Greek Comp., Sight Trans., Hist, and Literature.	English.		French; Botany.	German.	Mathematics.	7	Greek Books.		
Scholarships (Third Year).	Latin Bcoks; Math. (Anal, Geom (1))	Sight Translation, Latin Composition Sight Translation, and Literature, Sight Translation.	Math. (Anal. Geom. (2)); Anc. History; Chem.	Greek Comp. and Sight Trans.	English Literature (Shakspere and Milton); Logic.	English Literature (Charles Lamb) α Composition; Chem	Math. (Calculus; French; Chemistry	German.	Mathematics, (HigherAlg., Trig.)	Modern History, Chemistry,	Greek Books.		
Supplemental to Intermediate.	Latin Books.	Latin Composition, Grammar and History. Literature.	Mathematics.	Mathematics.	English Literature English Language, (Spencer & Tenny-son)& Composition (Composition; Logic	Biology.	French.	German; Greek Composition, Sight Translation, His-	Mathematics.	Chemistry.	Greek Books.		
Second Year Exhibitions,	Latin Books and Sight Translation,	Latin Composition, Grammar and History.	Mathematics, (Eucl., Alg., Trig.)	Mathematics, (Geometry.)	English Literature (Spencer & Tennyson)& Composition	Greek Books and Sight Translation.	French.	GreekComposition, Grammar and History.	Mathematics, (Theo. of Eq., Alg.)	Modern History and English Lan- guage (Trench).			
Supp, to First Year Sessional.	Latin Books.	Latin Composition, Sight Translation and History.	Mathematics,	Mathematies.	English Literature, History and Composition.		French,	German.	Physics.		Greek Books.	Greek Composi- tion, Sight Tran- slation and History.	
First Year Exhibitions,	Latin Books and Sight Translation.	Latin Gram., Composition, Higher Composition and Sight Translation.	Mathematics Pt. 1 (Euclid I-IV).	Mathematics Pt. I (Alg. and Arith.)	English Grammar.	English Literature (Scott, Shakspere and Milton).	French.	German.	Mathematics Pt. II.	English Literature (Macaulay) and Composition.	Greek Books and Sight Translation.	Greek Gram., Composition, Higher Composition and Sight Translation.	English Literature
Matriculation,	Latin Books and Sight Translation.	Latin Grammar and Composition.	Mathematics Pt. 1 Mathematics Pt. (Euclid).	Mathematics Pt. I Mathematics Pt. I (Alg. and Arith.).	English Grammar and History.	English Literature, Dictation and Composition.	French.	German.	Mathematics Pt. II.	Elementary Nat. cr Phys. Science.	Greek Books and Sight Translation.	Greek Grammar and Composition.	
Hour.	6	8	6	N	6	N	6	a	6	N	3	N	0
DATE.	Mon. 17		Tues, 18		Wed. 19		Thurs, 20		Fri, 21		Mon. 24		Tues, 25

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FACULTY OF ARTS

CHRISTMAS EXAMINATIONS, DECEMBER 1900.*

DAY.	DATE	FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	FOURTH YEAR.
Monday.	17	Latin.	Latin.	Mechanics.	Astronomy.
"	17		M'matics, P.M.	German.	German,
Tuesday.	18,	Greek.	Greek.	Greek.	Greek.
"	18		Biology, P.M.	Zoology, P.M.	Latin, P.M.
Wednesday	19	Mathematics.	Psychology.	Latin,	Moral Philosophy.
	19	French, P.M.	French, P.M.	Ment. Phil., P.M.	Geology, P.M.
"	20	Physics.	Chemistry.	Botany.	Botany,
Thursday.	20	German, P.M.	German, P.M.	French, P.M.	French, P.M.
"	20		Hebrew, P.M.		
Friday.	21	English.	English.		

^{*} The Christmas Examinations are obligatory on all Students, and the standing gained therein may be taken into account by the Faculty at the close of the session. The results will be made known after the Christmas vacation.

FACULT SESSIONAL AND HONOUR

DATE.	FIRST YEAR.	SECON
APRIL.	A.M. P.M.	A.M.
1 Mon.	Hebrew	Hebrew
2 Tues.	GreekGreek	Greek
3 Wed.	LatinLatin.	Latin
4 Thurs.	EnglishEnglish.	English
5 Fri.	Good Friday.	
7 Sun.	Easter Sunday.	
o Wed.		Biology
Thurs.	Geometry and Arithmetic	Mathematic
12 Fri.	Trigonometry and Algebra	Mathematic
14 Sun.		
5 Mon.	French French.	French
16 Tues.	GermanGerman.	German.
17 Wed.	Physics	Logic
18 Thurs.	Advanced Sections	Advanced S
19 Fri.	Advanced Sections	Advanced S
21 Sun.		
22 Mon.	Advanced Sections	Advanced S
Tues.	Meeting of Examiner	s and F
24 Wed.	Meeting of Examiner	s and Facul
25 Thurs.		а.м. Ме
30 Tues.	Convocation for Degr	ees.

The days for Honour Examinations durin Days for subjects not mentioned in above

FACULTY OF ARTS.

SESSIONAL AND HONOUR EXAMINATIONS, APRIL, 1901.

DATE.	FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	FOURTH YEAR.
APRIL.	A.M. P.M.	A.M. P.M.	A.M. P.M.	A.M. P.M.
1 Mon.	Hebrew	HebrewChemistry	HebrewSanskrit	Hebrew. Sanskrit
2 Tues.	GreekGreek.	GreekGreek.	Mechanics	EthicsEthics.
3 Wed.	LatinLatin.	Latin Latin.	Latin Latin.	LatinLatin
4 Thurs.	EnglishEnglish.	EnglishEnglish.	Ex. Phy- English.	Ex. Phy- English.
5 Fri.	Good Friday.			
7 Sun.	Easter Sunday.			
10 Wed.		Biology	Botany, Comp. Phil.	Botany, English
11 Thurs.	Geometry and Arithmetic	Mathematics	GreekGreek.	Greek Greek.
12 Fri.	Trigonometry and Algebra	Mathematics	Astronomy OpticsFrench.	Astronomy Optics French.
14 Sun.				
15 Mon.	French French.	FrenchFrench.	Metaphysics German	Geology Geology.
16 Tues.	GermanGerman.	German. German.	Zoology	Mechanics
17 Wed.	Physics	Logic	FrenchGerman.	FrenchGerman.
18 Thurs.	Advanced Sections	Advanced Sections	Honour Exam'tions	Zoology Zoology
19 Fri.	Advanced Sections	Advanced Sections	Honour Exam'tions	B. A. Honours.
21 Sun.				
22 Mon.	Advanced Sections	Advanced Sections	Honour Exam'tions	B. A. Honours.
23 Tues.	Meeting of Examiner	s and Faculty at	9.30 A.M.	
24 Wed.	Meeting of Examiner	s and Faculty at 9.30	. A.M.	
25 Thurs.		A.M. Meeting of C	orporation P.M.	1,
30 Tues.	Convocation for Degr	ees.		

The days for Honour Examinations during April are arranged by the Examiners. Days for subjects not mentioned in above table will be arranged during the session.

RTH YEAR.

stronomy.

German,

Greek.

al Philosophy.

ology, P.M.

Botany.

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Koyal Victoria College.

The institution of the Royal Victoria College, in September, 1899, was a direct continuation of the work begun in 1883, during the Principalship of the late Sir William Dawson, when Lord Strathcona and Mount Royal placed a sum at the disposal of the University of McGill, for the Endowment of a College and classes for women. For many years previously it had been hoped by those interested in the education of women in Montreal that the University would extend its benefits to women, but the means necessary for carrying out such an aim had not been available. The classes were organized in 1883 as a Special Course in the Faculty of Arts, held at McGill College, separate in the main from those for men, but under identical conditions. In some of the work of the Third and Fourth Years, and in the Honour and Additional Courses, the classes were held jointly.

The ultimate aim of Lord Strathcona had been the foundation of a place of residence, and, with this object, he announced his intention of building and endowing the Royal Victoria College. By the opening of this Institution the opportunity of residence and college life is given to women-students of McGill University, working in accordance with the system previously organized in the Special Course in Arts, but under greatly improved conditions. A share in the advantages of college life is offered also to the non-resident women-students of the University, who are henceforth also students of the Royal Victoria College. Fresh elements are added in the organization of a Musical Department, and in the institution of Resident Women Tutors. These additions are in accordance with the general aim of the College; viz., the

higher education of wome take degrees in Arts (include them with instruction education necessary theret may from time to time be

The College being a re Students of McGill Univergraduates, Conditioned Stuin Arts and Pure Science 66-106). Lectures are give of the University, either in buildings, and students atterpractical instruction. In a lectures and laboratory provictoria College are assisted Tutors.

Exhibitions

For a statement of the ito Women Students of the In addition to these, ar within the College walls arrange to board in the compowered to make noming years to not more than the value of \$100 each.

Apart from the University offered at the College, for The instruction includes (solo, ensemble playing, consinging (voice production tests, solo and part singing ments of music, harmony, attendance at certain of students of music.

higher education of women, and mainly to qualify them to take degrees in Arts (including Pure Science), and to provide them with instruction in those branches of a liberal education necessary thereto and in such other subjects as may from time to time be determined.

The College being a residential College for the Women-Students of McGill University, its students, whether Undergraduates, Conditioned Students, or Partial, follow the courses in Arts and Pure Science offered by the University, (see pp. 66-106). Lectures are given by the Professors and Lecturers of the University, either in the College or in the University buildings, and students attend the University Laboratories for practical instruction. In addition to the instruction given in lectures and laboratory practice, the students of the Royal Victoria College are assisted in their studies by the Resident Tutors.

Exhibitions and Scholarships.

For a statement of the Exhibitions and Scholarships open to Women Students of the University, see pp. 37 et seq.

In addition to these, and further to encourage residence within the College walls of students who might otherwise arrange to board in the city, the Warden and Faculty are empowered to make nominations in any of the four College years to not more than three additional Exhibitons of the value of \$100 each.

Music.

Apart from the University Courses, instruction in Music is offered at the College, for which a separate fee is charged. The instruction includes the Pianoforte in all its branches (solo, ensemble playing, concertos, duos for two pianofortes); Singing (voice production, vocalization, sight-singing, eartests, solo and part singing); and Lectures on Theory (elements of music, harmony, counterpoint, and history of music). Attendance at certain of these Courses is expected of all students of music.

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Gymnasium.

The Gymnasium is in the charge of Miss Holmström, graduate of the Posse Gymnasium, Boston, and of the Harvard Summer School, who teaches on Swedish principles. Special attention is devoted to the application of exercise in cases of physical weakness, Miss Holmström having had considerable experience in the medical branch of her work. All students undergo a physical examination on entering upon the gymnastic course, under the superintendence of Dr. R. Tait Mackenzie, B.A., M.D., Assistant Lecturer in Anatomy at the University. Teams of Basket-Ball are formed, and, when weather permits, this and other exercises are practised on the lawn, at the back of the College building. This ground is also provided with lawn-tennis courts.

The College Building.

The College is situated on Sherbrooke Street, at the head of Union Avenue, in close proximity to the University building, and to the slopes of Mount Royal. The building is fireproof, and much thought and artistic care have been given to the furnishing and decoration.

On the ground floor are the offices of the Administration, including the rooms of the Warden and Secretary, the Professors' common room, lecture rooms (English, French, German, Mathematics) and a spacious dining hall. first floor are other lecture rooms (Latin, Greek, Logic, and Philosophy), the library, reading-room, Students' common room, and a handsome assembly hall. On the second and third floors are the rooms of the resident students. These are of varying size and plan. Each student has a separate bedroom, and, as a rule, one sitting-room is shared by the occupants of the two or three bedrooms immediately adjoining. The entire use of a sitting-room can be obtained, and there are some rooms which may be used as study-bedrooms. The rooms are completely furnished, and no article of furniture need be brought by the students. No part need be taken by the students in the care of their rooms.

In addition to the la students are entitled to grounds of McGill Unive rink, etc.

A nucleus of the Coll set of books, comprising to in connection with the language course being are also works of general room, and the books are access also to the University

Students of Music have and, at certain hours, of also of the Gymnasium p

The Gymnasium, fully requirements of the Sweet connection with the Gyrdressing-rooms.

The health of the stud potent physician practisis sulted free of charge.

Students of the Roya McGill University, are en Library, containing about Redpath Museum contain Palaeontology, Zoology, logy, and to work in the tanical and other labora the University. (For puniversity Calendar for

Board

Residence in the Collegates, Conditioned Studen are not received in resider approved by the Faculty

In addition to the lawn at the back of the College, the students are entitled to use, subject to regulations, the grounds of McGill University, with its tennis-courts, skating-rink, etc.

A nucleus of the College Library has been formed in a set of books, comprising the stated books and others referred to in connection with the University curricula, the modern language course being especially well represented. There are also works of general literature. The Library is a reading-room, and the books are not taken away; the students having access also to the University Lending Library.

Students of Music have the use of a large practising-room, and, at certain hours, of the piano in the common room, as also of the Gymnasium piano.

The Gymnasium, fully equipped in accordance with the requirements of the Swedish system, is in the basement. In connection with the Gymnasium there are bath-rooms and dressing-rooms.

The health of the students is under the charge of a competent physician practising in Montreal, who may be consulted free of charge.

Students of the Royal Victoria College, as students of McGill University, are entitled to the use of the University Library, containing about 70,000 volumes, and the Peter Redpath Museum containing large collections in Mineralogy, Palaeontology, Zoology, Botany, Archaeology, and Ethnology, and to work in the Physical, Chemical, Zoological, Botanical and other laboratories and the Botanic Gardens of the University. (For particulars of laboratories, etc., see University Calendar for 1900-1901, pp. 107 et seqq.)

Board and Residence.

Residence in the College buildings is open to Undergraduates, Conditioned Students, or Partial Students, but the last are not received in residence unless they take courses of study approved by the Faculty of the College. The expense of

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board and residence ranges from \$290 to \$440 in addition to the sessional fees for tuition (see pp. 64, 65), according to the room or rooms occupied by the students; for a majority of the rooms the expense of board and residence is \$290. These charges cover the University Session, 17th September; 30th April, and the summer classes, 30th April—29th June. A deduction of \$50 is made in the case of Students who go out of residence at the end of the University Session.

Applications for admission or further particulars should be addressed to the Warden, Royal Victoria College, Montreal.

ROYAL VIC TIME TABLE,

Hours.	Monday.	TUESDAY.	WE
9	Greek.	Physics.	1
10	English.	English.	
11	German.	Mathematics.	
12	Latin.	Latin.	Ma
2	Mathematics.	French.	(
3			
9	Latin.	Gruek.	1
10	German.	Chemistry.	
11	English.	French.	
12	Logic.	Logic.	
2	French.		
3	Greek,		C
4	Biology.		
5		, , ,	

^{*} Zoology, first term; Botany, second term

ours of Laboratory Work for (2 periods a week each) will of Classes. addition to rding to the majority of \$290. These ember; 30th I June. A who go out

rs should be e, Montreal.

ROYAL VICTORIA COLLEGE.

TIME TABLE, SESSION 1900-1901.

Hours.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9	Greek.	Physics.	French.	Greek.	Greek.	
10	English.	English.	Greek.		Mathematics.	
11	German.	Mathematics.	Latin.	English.	French.	
12	Latin.	Latin.	Mathematics.	German.	Latin.	
2	Mathematics.	French.	German.	French.	German.	
3				Physics.		
9	Latin.	Gruek.	French.	Latin.	English.	Biology.*
10	German.	Chemistry.	Math.	English.	German.	Biology.
11	English.	French.	Greek.	Mathematics.	Latin.	
12	Logic.	Logic,	Latin.	German.	French.	
2	French.		Chem.	Logic.	Chem.	
3	Greek.		German.	Greek.	Mathematics.	
4	Biology.					
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^{*} Zoology, first term; Botany, second term.

ours of Laboratory Work for the Classes in Chemistry and Biology (2 periods a week each) will be arranged to suit the convenience of Classes.

FACULTY OF APPLIED SCIENCE.

DATES OF EXAMINATIONS AND COMMENCEMENT OF LECTURES.

The supplemental examinations in Surveying will be held on Friday, August 31st.

The supplemental examinations in Electrical, Mechanical and Practical Chemistry subjects of the Second and Third Years, will be held on Monday, September 17th, and following days.

The supplemental examinations in all other subjects will be held on October 6th, and following days.

The examinations in English Literature (Vacation Work, see p. 154), and the Exhibition Examinations will be held on Saturday, October 6th, and following days.

Field Work in Surveying will commence on Saturday, September 1st.
Lectures in the First Year will commence on Tuesday, September

Lectures in the Second, Third and Fourth Years, Electrical, Mechanical, and Practical Chemistry Courses, will commence on Tuesday, September 25th.

Lectures in the Second, Third and Fourth Years, Architectural, Civil and Mining Courses, will commence on Monday, October 1st.

Faculty of

§ I. GENER.

The Instruction in this complete preliminary train retical nature in the follow

I.—ARCHITECTURE.

II.—CIVIL ENGINEERIN

III.—ELECTRICAL ENGIN

IV.—MECHANICAL ENG

V.—MINING ENGINEER

VI.—PRACTICAL CHEMI

The Degrees conferred by graduates of the Faculty as Examinations hereinafter "Bachelor of Science" (B. Diploma of the particular subsequently, the Degrees and "Doctor of Science"

& II. MATRICULA

For subjects of matricul 9-17.

§ III. EXAMINA

I. FACULT

There will be a Christm shall be determined by the will be held at the end of the

Faculty of Applied Science

§ I. GENERAL STATIMENT.

The Instruction in this Faculty is designed to afford a complete preliminary training, of a practical as well as theoretical nature in the following Departments:—

I.—ARCHITECTURE.

II.—CIVIL ENGINEERING AND SURVEYING.

III.—ELECTRICAL ENGINEERING.

IV.—MECHANICAL ENGINEERING.

V.—MINING ENGINEERING AND METALLURGY.

VI.—PRACTICAL CHEMISTRY.

The Degrees conferred by the University upon such undergraduates of the Faculty as fulfil the conditions and pass the Examinations hereinafter stated are, in the first instance, "Bachelor of Science" (B.Sc.), mention being made in the Diploma of the particular Department of study pursued, and, subsequently, the Degrees of "Master of Science" (M.Sc.), and "Doctor of Science" (D.Sc.).

II. MATRICULATION AND ADMISSION.

For subjects of matriculation, conditions and fees, see pp. 9-17.

§ III. EXAMINATIONS AND DEGREES.

I. FACULTY EXAMINATIONS.

There will be a Christmas examination in such subjects as shall be determined by the Faculty. Sessional examinations will be held at the end of the First and Second Years.

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eld on Friday,

chanical and Years, will be

will be held

rk, see p. 154), rday, October

September 1st. ay, September

Electrical, Mece on Tuesday,

Architectural, , October 1st.

2. University Examinations

I. FOR THE DEGREE OF BACHELOR OF SCIENCE.

(a) There will be a Primary examination at the end of the Third Year. Candidates must pass this Examination before entering the Final Year.

(b) There will be a Final examination for the degree of Bachelor of Science at the end of the Fourth Year.

Successful Students will be arranged in order of merit.

II. HIGHER DEGREES.

For regulations relating to the Degrees of "Master of Science" (M.Sc.), and "Doctor of Science" (D.Sc.), see pp. 22, 23.

- III. SPECIAL PROVISIONS FOROBTAINING THE TWO DEGREES OF "BACHELOR OF ARTS" (B.A.), AND BACHELOR OF SCIENCE (B.Sc.), IN SIX YEARS.
- I. Undergraduates of the Faculty of Arts, who have taken all the Ordinary Mathematics of the first two years, and the Chemistry of the Second Year, and who wish to pursue their professional studies in the Faculty of Applied Science so as to obtain the degrees of B.A. and B.Sc. within the following four years, may be exempted by the Faculty of Applied Science from the Mathematics of the First Year in Applied Science and the Chemistry of the Second Year.
- 2. They are allowed to distribute the course of the Third and Fourth Years in Arts over three years.
- 3. They may complete the Arts curriculum by taking the following courses:

I. In the Third Year:

- (a) Physics of Third Year.
- (b) Either one or two of the courses which are not placed under the heading "Science" in the Arts curriculum.

(c) Either one or two position.

II. In the Fourth Year:

- (a) The Mathematic Science (6 hours
- (b) Physics of Fourt
- (c) One of the course heading "Science the Third Year.
- (d) One hour weekly one has been tal

III. In the Fifth Year:

The Mathematics of (2 hours weekly ander the heading)

The degree of B.A. may Fifth Year from Matricular

§ IV. GRAI

Students who take the courses provided by the graduate in any of the rem more subsequent sessions.

Graduates may also take in which they have receiv examination at the end of s degree will be conferred w sentation at the end of on thesis on approved work.

Students are strongly recourse, and special arrange and research work in the

In Architecture—Advan

(c) Either one or two hours weekly in English Composition.

II. In the Fourth Year:

- (a) The Mathematics of the Second Year Applied Science (6 hours weekly as 1½ courses).
- (b) Physics of Fourth Year.
- (c) One of the courses which are not placed under the heading "Science" if only one has been taken in the Third Year.
- (d) One hour weekly in English Composition if only one has been taken in the Third Year.

III. In the Fifth Year:

The Mathematics of the Third Year Applied Science (2 hours weekly as a half course), or another course under the heading "Science" in Arts curriculum.

The degree of B.A. may thus be obtained at the end of the Fifth Year from Matriculation.

§ IV. GRADUATE COURSES.

Students who take the Bachelor's degree in one of the courses provided by the Faculty of Applied Science may graduate in any of the remaining courses by attending one or more subsequent sessions.

Graduates may also take an advanced course in the branch in which they have received their degree. On passing an examination at the end of such advanced course, the Master's degree will be conferred without further examination, on presentation at the end of one additional year of a satisfactory thesis on approved work.

Students are strongly recommended to take a Graduate Course, and special arrangements will be made for advanced and research work in the following:—

In Architecture-Advanced study in design. During Ses-

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degree of

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DEGREES OF

have taken irs, and the oursue their ience so as ie following lied Science ied Science

f the Third

taking the

ich are not in the Arts sion 1899-1900, the problems studied were the following, finished drawings being made of the designs:—"A Students' Hall;" "A Gothic Memorial Church;" "A Public Library;" "An Open House." In addition, Sketch Problems (limited to time) were set as follows:—"An Entrance Gateway to a Naval Yard;" "A Fountain in a Park."

In Chemistry and Mineralogy. (See § XI, 2, 9 and 13,

and § XII, 4.)

In the determination and comparison of the errors and the co-efficients of standards of length. (See § XI, 4, and § XII, 6.)

In the determination of gravity. (See § XII, 6.)

The elasticity and strength of materials. (See § XI, 3,

and § XII, 13.)

In Mining and Metallurgy—Advanced study in metallurgy and ore dressing can be carried on with great advantage in the new laboratories. (See § XI, 13, and XII, 10.)

The efficiency of pumps and hydraulic motors. (See

§ XI, 3, and XII, 7.)

The efficiency or power transmission by air, water, gas, steam and electricity. (See § XI, 3, 5, 11.)

The efficiency of steam, gas and hot-air engines and of

air compressors. (See § XI, 11 and 15.)

The efficiency of machines and machine tools, and the power absorbed by the several processes of mechanical work. (See § XI, 11.)

The efficiency of dynamometers, belting and shafting, including investigations into the relative merits of the several

unguents. (See § XII, 9.)

The efficiency of the several types of boilers, including investigations on the heat producing power of fuels. (See § XI, 15.)

On the efficiency of dynamos and electric motors. (See § XI, 5, and § XII, 5.)

The flow of water through orifices and pipes, and over weirs. (See § XI, 3, and § XII, 7.)

In Geodesy and practical astronomy. (See § XII, 6.)

In street railway design an apparatus. (See § XI, 5, and §

In Physics.—The Macdonal equipped and arranged with Courses and original research pure Physics. Every facility shops for the construction of such investigations. (See § XI

In Mathematics.—Students receive guidance in any advar connection with their work.

V. ATTENDANCE

See p

≬ VI. L]

Students in this Faculty are entiunder the regulations cited on p. the various departmental libraries which each is governed.

VII. FEES AND

All fees and fines are payable to The fees must be paid to the Bu to classes shown to the Dean withi ment of attendance in each session. name will be removed from the Co thereon only by permission of the of \$2.

Annual fee for the undergraduate
The fees for Partial Students ar
Athletics and Caution money;
\$5.00 for each hour of instruct
throughout the session....

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In street railway design and theory, and in alternating apparatus. (See § XI, 5, and § XII, 5.)

In Physics.—The Macdonald Physics Building has been equipped and arranged with special reference to Graduate Courses and original research work in various branches of pure Physics. Every facility will be afforded in the workshops for the construction of special apparatus required for such investigations. (See § XII, 12.)

IN MATHEMATICS.—Students taking Graduate Courses will receive guidance in any advanced Mathematics required in connection with their work.

& V. ATTENDANCE AND CONDUCT.

See p. 25.

VI. LIBRARY.

Students in this Faculty are entitled to use the University Library under the regulations cited on p. 32. Students also have access to the various departmental libraries under the special regulations by which each is governed.

VII. FEES AND REGISTRATION.

All fees and fines are payable to the Bursar.

The fees must be paid to the Bursar and the tickets of admission to classes shown to the Dean within a fortnight after the commencement of attendance in each session. In case of default, the student's name will be removed from the College books, and can be replaced thereon only by permission of the Faculty, and on payment of a fine of \$2.

5.00

Fee for ordinary supplemental examination	2.00
Fee for special supplemental examination	5.00
Fee for certificate of standing	2.00
Fee for Graduate Course	150.00
~	

Graduates of this Faculty will be required to pay only one-half of this amount.

§ VIII. MEDALS, EXHIBITIONS, PRIZES AND HONOURS

I. THE BRITISH ASSOCIATION MEDALS AND EXHIBITION, founded by the British Association for the Advancement of Science, in commemoration of the meeting held in Montreal in the year 1884.

A British Association Medal and Prize in Books are open for competition to students of the Graduating Class in each of the six Departments of the Faculty, and, if the examiners so recommend, will be awarded to the student taking the highest position in the final examinations.

2. THE GOVERNOR GENERAL'S SILVER MEDAL (the gift of His Excellency The Right Honourable the Earl of Minto).

This medal will be awarded for graduate Research Work.

3. SUMMER WORK. (See § IX, I.) The following prizes are offered for the best summer Theses:—

To the students of the Civil Engineering Course a prize of \$25 presented by E. B. Greenshields, Esq., B.A.

To the students of the Electrical Engineering Course, a prize of \$25 presented by Robert Gardner, Esq.

To the students of the Mechanical Engineering Course, a prize of \$25 presented by The Crosby Steam Gage & Valve Co.

To the students of the Mining Engineering Course, a prize of \$25.

To the students of the Architectural Course, a prize of \$25 presented by A. T. Taylor, Esq., F.R.I.B.A., R.C:A:, Past President of Quebec Architects' Association.

Two prizes of \$35 and \$15 offered by the General Mining Association of the Province of Quebec will be open for competition to students from McGill University, Toronto

University and Queen'two students presentire subject connected with those Theses which she

The following Exhib petition at the beginn quired to notify the Dear week before the comment

- 4. A British Associated of \$25.00 to students of examination being the tures of the Ordinary
- 5. Three prizes of \$ entering the Third Yea the Mathematics of the
- 6. A Scott Exhibit donian Society of Mortenary of Sir Walter \$15.00 to students ente Examination being:—
- (a) English Literature (of the First Year Course Year Course.
- 7. Two prizes, each McCarthy, Esq., B.A.: Year, for proficiency in
- 8. The sum of \$150 Ma.E., may be awarded Course taking the hightions of 1901.
- 9. A prize of \$25.00 Chalmers, may be award piece of Mining Laborat
- 10. A prize of \$50.00 for research work in Hy
- 11. A scholarship of Practical Chemistry, or

2.00 5.00 2.00 150.00 only one-half of

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EXHIBITION, dvancement of ld in Montreal

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EDAL (the gift Earl of Minto). tesearch Work. ollowing prizes

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General Mining l be open for versity, Toronto University and Queen's University, and will be awarded to the two students presenting the best Summer Theses on some subject connected with mining. Preference will be given to those Theses which show decided originality.

The following Exhibitions and Prizes will be open for competition at the beginning of the Session. Students are required to notify the Dean of their intention to compete, at least one week before the commencement of the Examination.

- 4. A British Association Exhibition of \$50.00 and prize of \$25.00 to students entering the Fourth Year, the subjects of examination being the Mathematics and Theory of Structures of the Ordinary Course.
- 5. Three prizes of \$25.00, \$15.00 and \$10.00, to students entering the Third Year, the subject of Examination being:—the Mathematics of the Second Year Course.
- 6. A Scott Exhibition of \$50.00, founded by the Caledonian Society of Montreal, in commemoration of the Centenary of Sir Walter Scott, and two prizes of \$25.00 and \$15.00 to students entering the Second Year, the subjects of Examination being:—
- (a) English Literature (Summer Vacation Work); (b) Mathematics of the First Year Course; (c) Descriptive Geometry of the First Year Course.
- 7. Two prizes, each of \$10.00, presented by J. M. McCarthy, Esq., B.A.Sc., to students entering the Third Year, for proficiency in Levelling or Transit Work.
- 8. The sum of \$150, presented by W. A. Carlyle, Esq., Ma.E., may be awarded in prizes to students of the Mining Course taking the highest positions in the degree examinations of 1901.
- 9. A prize of \$25.00, presented by Messrs. Fraser and Chalmers, may be awarded in the graduating class for the best piece of Mining Laboratory work.
- 10. A prize of \$50.00, presented by James Tighe, B.A.Sc., for research work in Hydraulics.
- 11. A scholarship of the value of \$100, for proficiency in Practical Chemistry, on the endowment of the late Dr. T.

Sterry Hunt, to students entering the Second Year of the Chemical Course For further conditions apply to the Dean.

12. The Canadian General Electric Company, through Mr. F. Nicholls, of Toronto, has decided to present annually to the Faculty two scholarships, each in the form of a three months' course at the Company's works at Peterboro, with the addition of a sum of \$100.00.

13. Prizes or Certificates of Merit are given to such students as take the highest place in the Sessional and Degree Examinations.

14. Honours.—On graduation, Honours will be awarded for advanced work in Professional subjects.

15. Science Scholarships granted by Her Majesty's Commission for the Exhibition of 1851.—The Scholarships of £150 sterling a year in value are tenable for two or, in rare instances, three years. They are limited, according to the Report of the Commission, "to those branches of Science such as Physics, Mechanics and Chemistry, the extension of which is specially important for our national industries." Their object is, not to facilitate ordinary collegiate studies, but "to enable students to continue the prosecution of Science with the view of aiding in its advance or in its application to the industries of the country."

A nomination to one of these scholarships for the year 1899 was placed by the Commission at the disposal of McGill University, and another may be granted in 1901.

It is open to students of not less than three years' standing in the Faculties of Arts or Applied Science, and is tenable at any University or at any other Institution approved by the Commission.

16. The Mason prize of \$50.00 in Electrical Engineering, given by Dr. A. F. Mason for original investigation in the practical application of Electricity.

17. WORKSHOP PRIZES.—A prize of \$20.00, presented by C. J. Fleet, B.A., B.C.L., for bench and lathe work in the woodworking department, open to students of not more than two terms' standing in workshop practice.

§ IX.

I SUMMER WORK. ing the close of each y Fourth Years are required by the Fact specified subject a re of construction. The added to the results of must be handed in to

2. All Students in Engineering Courses, and Students in the Fourth Year, are required sity on the 1st Septen will commence. (See

3. All Students in tend the Summer Sch and Fourth Years (for dents between the Sec the same if practicable

4. Partial Students classes upon payment

5. Students in App Faculty, take the Ho

6. Undergraduates or Graduates of any plied Science, may, at empted from such lecturously attended as \$\footnote{S}\$

7. Students who he or Sessional Examining a supplemental effaculty. Unless such Students will not be a amination in the subtion will not be grastances, to be investi-

Year of the to the Dean. through Mr. anually to the three months' h the addition

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years' standing nd is tenable at pproved by the

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§ IX. SPECIAL PROVISIONS.

I SUMMER WORK.—During the summer vacation following the close of each year, all students entering the Third and Fourth Years are required to prepare a thesis on a subject specified by the Faculty. Any student may substitute for the specified subject a report on some practical work in course of construction. The marks given for these theses will be added to the results of the sessional examinations. The theses must be handed in to the Dean on or before September 26th.

2. All Students in the Architectural, Civil, and Mining Engineering Courses, entering the Second and Third Years, and Students in the Civil Engineering Course entering the Fourth Year, are required to be in attendance at the University on the 1st September, when the Field-work in Surveying will commence. (See § XI., 14.)

3. All Students in the Mining Course are required to attend the Summer School in Mining, held between the Third and Fourth Years (four to six weeks of field-work), and students between the Second and Third Years are advised to do the same if practicable. The school is held in May and June.

4. Partial Students may be admitted to the professional classes upon payment of special fees. (§ VII.)

5. Students in Applied Science may, by permission of the Faculty, take the Honour Classes in the Faculty of Arts.

6. Undergraduates in Arts of the Second and Third Years, or Graduates of any University, entering the Faculty of Applied Science, may, at the discretion of the Professors, be exempted from such lectures in that Faculty as they have previously attended as Students in Arts.

7. Students who have failed in a subject in the Christmas or Sessional Examinations may regain their standing by passing a supplemental examination at a time appointed by the Faculty. Unless such supplemental examination is passed, Students will not be allowed to proceed to any subsequent examination in the subject. A second supplemental examination will not be granted unless under exceptional circumstances, to be investigated in each case by the Faculty.

8. Students may be required to answer satisfactorily a weekly paper on such subjects of the course as the Faculty may determine.

9. Credit will be given in the Sessional Examinations for work done during the session in certain of the subjects which will be specified at the commencement of the first term.

10. Students who fail to obtain their Session, and who in consequence repeat a Year, will not be exempted from examination in any of those subjects in which they may have previously passed, except by the express permission of the Faculty. Application for such exemption must be made at the commencement of the Session.

11. Partial Students are not eligible for prizes.

12. Certificates may be given to Students who have passed through any of the special courses attached to the curriculum.

13. The headquarters of the Canadian Society of Civil Engineers are located in Montreal. The Society holds fortnightly meetings, at which papers upon practical current engineering subjects are read and discussed. Undergraduates joining the Society as Students may take part in these meetings, and acquire knowledge of the utmost importance in relation to the practical part of the profession.

X. DEPARTMENTS.

I. ARCHITECTURE.

The Architectural Course begins in the second year, for which the first year is preparatory especially in the departments of Mathematics and Drawing (Freehand, Lettering and Projections).

The work of the second year is of a general character, and is planned to combine to some extent the work of the Architectural and of the Civil Engineering students.

The third and fourth years are devoted to more specialized architectural study in various branches, and a fifth or graduate year has been organized for advanced study in design. For those students who desire to devote themselves more especially to the engineering side of architecture, the course is modified to include additional Mathe-

matics in the third year Structures in the fourth less time to architectural

In the second year the of Architectural History The great eras of Europ and the evolution of sty ornamental forms and m

In the third and fourth tion and extension of this Architecture are studied both third and fourth yes siastical, Domestic and I toric evolution of archite quirements of modern we

The constructive side of tural Engineering Course

In the second year a g engineering students, is a terials, which is supplementaries, where practical ex-

The Theory of Structu giene, Heating and Vent tions, including Working included in the fourth ye

For the scientific requipment Mathematics are very further metry, Shades and Shapstudied.

Instruction in Drawing Drawing (ornament and Drawing occupying much the course. Modelling i years.

Problems in Architectural Drawing cl at first more especially Orders

A course of lectures is to place the architectural tive details of the differ temporary forms in othe arts employed in buildin isfactorily a the Faculty

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1 year, for which tments of Mathejections). character, and is

Architectural and

specialized archigraduate year has hose students who engineering side additional Mathematics in the third year, and the advanced course of Theory of Structures in the fourth year. Such students devote proportionately less time to architectural drawing and designing.

In the second year the Historical Course embraces a rapid survey of Architectural History from ancient Egyptian to modern times. The great eras of European civilization are successively dealt with, and the evolution of styles is traced in their constructional and ornamental forms and methods.

In the third and fourth years the lectures are arranged in continuation and extension of this general course. Renaissance and Modern Architecture are studied in the third year; while a course covering both third and fourth years comprises more detailed study of Ecclesiastical, Domestic and Public Architecture, and deals with the historic evolution of architectural styles and with the problems and requirements of modern work.

The constructive side of architecture is dealt with in the Architectural Engineering Courses.

In the second year a general course, common to architectural and engineering students, is given upon Building Construction and Materials, which is supplemented and continued in the Testing Laboratories, where practical experiments are conducted.

The Theory of Structures is dealt with, as also Sanitation and Hygiene, Heating and Ventilation, and Electric Installation. Specifications, including Working Drawings and Architectural Practice, are included in the fourth year.

For the scientific requirements of the profession the courses in Mathematics are very fully developed, and include Descriptive Geometry, Shades and Shadows and Perspective; Surveying is also studied.

Instruction in Drawing is given during all four years—Freehand Drawing (ornament and figure) from the cast, and Architectural Drawing occupying much of the students' time during three years of the course. Modelling in clay is included in the third and fourth years.

Problems in Architectural Design form the basis of work in the Architectural Drawing class from the earliest available period, being at first more especially combined with the study of the Classified Orders.

A course of lectures is included upon General Art History, so as to place the architectural student in touch, not only with the decorative details of the different architectural styles, but also with contemporary forms in other branches of art, especially the decorative arts employed in building.

The subjects of instruction and the number of hours per week devoted to each subject are as follows:—

FIRST YEAR.

Descriptive Geometry	Physical Laboratory3
SECOND	YEAR.

Architectural Engineering Architecture (Elements of)1 Architecture (History)2 Building Construction1 Chemistry3 Descriptive Geometry3 Drawing and Design7	Chemical Lab
Drawing and Design	

THIRD YEAR.

1	1 1111111	
Designing or Drawing 13 (a	1 2 1 3 (a)	Hygiene

FOURTH YEAR.

1.00 Kin	
Architectural Engineering Architecture	Hygiene

II. CIVIL ENGINEERING.

The courses of study in this Department are designed to give to the student a sound theoretical and practical training in the

sciences and principles which gineer. It is scarcely possible in all branches of civil enging clusive in its purpose. As geally directing the great sour convenience of man," by the aqueducts, viaducts, canals, houses, by the construction as ing and drainage of cities and All these works are more of and in these principles the semeans of numerous problems taught to apply his knowledge.

During session 1900-01 arr livery, by distinguished engin of lectures on actual works o

Provision is made, by mear special students to continue t with a view to the solving of confront the engineer in every character has been already ac be made to the fact that for s sities—some holding scholars for the Exhibition of 1851—ha eral laboratories.

The subjects of instruction voted each subject are as follows:

	F
Descriptive Geometry	
English	
Freehand Drawing	
Lettering	
Mathematics	
	Sı
Building Construction	
Chemistry	
Descriptive Geometry	
Descriptive Mechanism	
Mapping	

Mathematics...

137 sciences and principles which underlie the profession of a civil enweek degineer. It is scarcely possible for any one person to become proficient in all branches of civil engineering, so wide in its scope and so inclusive in its purpose. As generally defined it is the "art of economically directing the great sources of power in nature to the use and ..3 (a) convenience of man," by the construction of roads, railways, bridges, aqueducts, viaducts, canals, docks, harbours, breakwaters, light-.. 3 houses, by the construction and adaptation of machinery, by the lighting and drainage of cities and towns, and by the exploitation of mines. All these works are more or less governed by the same principles, and in these principles the student is carefully instructed, and by means of numerous problems occuring in every day practice, he is taught to apply his knowledge to the actual conditions of life. During session 1900-01 arrangements have been made for the delivery, by distinguished engineers, of special lectures or short courses3 of lectures on actual works of construction.3 Provision is made, by means of advanced classes, for graduates andı (b)

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special students to continue their studies and to engage in researches with a view to the solving of some of the numberless problems which confront the engineer in every direction. Much valuable work of this character has been already accomplished, and especial reference may be made to the fact that for several years graduates of other Universities—some holding scholarships under the Royal Commissioners for the Exhibition of 1851-have carried out investigations in the several laboratories.

The subjects of instruction and the number of hours per week devoted each subject are as follows:-

FIRST YEAR.

Descriptive Geometry	Physics
SECOND	YEAR.
Building Construction	Chemical Laboratory3 Physical Laboratory3

THIRD YEAR.

Descriptive Geometry4 Geology3 Graphical Statics2 (a) 3 (b) Mapping6 Mathematics2 Mechanical Drawing3 (opt.) Municipal Engineering1 Museum Work in Geology1 (b) Physics2 (a), 1 (b)	Railway Structures3 (b) Roads and Canals2 Structural Engineering Surveying2 Theory of Structures3 Thermodynamics1 Physical Laboratory3 (a) Testing Laboratory3 (b) Thermodynamic Lab2 (b)
Fourth	YEAR.
Designing	Railway Engineering 2 Structural Engineering Theory of Structures 4 Geodetic Laboratory 4 Hydraulic Laboratory 3 (b) Testing Laboratory 6

III. ELECTRICAL ENGINEERING.

The first two years of the Undergraduate course of instruction in Electrical Engineering are devoted mainly to preparation in mathematics, physics, chemistry, mechanics, drawing and shopwork and work in the physical and chemical laboratories. The electrical studies of the Third Year consist of the principles of electro-magnetism and continuous current dynamo electric machinery-two lectures per week, the principles of electrical measurement—one lecture per week, and four periods of three hours each in the Physical The Fourth Year is and Electrical Engineering laboratories. devoted principally to electrical work. Lectures and recitations on alternating current phenomena, including the principles of action and design of alternating current machinery for lighting and power purposes-three lectures per week; electric lighting systems, including central station design and operation, street railways, electric power transmission, etc.,-three lectures per week; and three periods of three hours each in the electrical engineering laboratory. In the second term of the Fourth Year a choice may be made between the following options: electro-chemistry, advanced thermodynamics, hydraulics (second term). Each Fourth Year student is required to present a thesis giving the results of a suitable experimental investigation.

The subjects of instruction an voted to each subject are as fol

voted to each subject are as to
Fin
Descriptive Geometry
English
Freehand Drawing
Lettering
Mathematics
Seco
Chemistry
Descriptive Geometry
Kinematics of Machines
Mathematics
Mechanical Drawing
Тн
Chemistry
Direct Current Dynamo Ma-
chinery
Dynamics of Machines
Machine Design
Mathematics
Mechanical Drawing
Physics 2 (a) I
Fou
Alternating currents and Alternating current machiner; Dynamics of Machines
Electro-Chemistry
Electrical Designing4
Electric Lighting3
Electric Railways3
Electrical Measurements

IV. MECHAN!

The complete Undergraduate tends over four years, and prouate course in advanced experi The first two years of the U largely devoted to preparation

The subjects	of instruction	and the number	of	hours	per	week	de-
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struction in in mathepwork and e electrical tro-magnety-two lec--one lecture Physical Year is citations on of action and power ystems, inrays, electric three periods

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	FIRST	YEAR.
	Descriptive Geometry. 7 English. 2 Freehand Drawing. 3 Lettering. 3 Mathematics. 10	Physics
	SECOND	YEAR.
	Chemistry	Physics
	THIRD	YEAR.
4	ChemistryI Direct Current Dynamo Machinery	Theory of Strtctures
	FOURTH	YEAR.
	Alternating currents and Alternating current machinery3 Dynamics of Machines2 Electro-Chemistry1 (b) Electrical Designing4 Electric Lighting3 (a) Electric Railways3 (b)	Hydraulics
	Electrical Measurements	

IV. MECHANICAL ENGINEERING.

The complete Undergraduate course in Mechanical Engineering extends over four years, and provision is made for a fifth year or Graduate course in advanced experimental and other work.

The first two years of the Undergraduate course of instruction are largely devoted to preparation in mathematics, physics, chemistry, mechanics, drawing, and shopwork. During the second year an elementary series of lectures on Descriptive Mechanism serves to introduce the subject of machine construction and machinery in general, and one lecture and one exercise class per week are devoted to the Kinematics of Machines.

While motion without regard to force is treated in the Kinematic course, the action of external forces in producing or changing motion in the links of mechanisms is considered in the third and fourth years, under the head of Dynamics of Machines. Two lectures per week are given in this subject in each year, and exercise classes are held for the purpose of working the problems necessary for illustration.

The work in Machine Design is carried on during the third and fourth years in conjunction with the practical instruction in mechanical drawing and designing in the Drawing Rooms.

A course of two lectures per week is given, during the Fourth Year, on Mechanical Engineering as applied to questions connected with Power Installations and Prime Movers. A large portion of the work of this course is supplementary to, and follows, the instruction given in Thermodynamics, which extends over the Third and Fourth Years. (See page 169.)

Instruction in Workshop Practice (see page 191) is given in each of the four years. It is of a systematic nature, and is intended to prepare for, but by no means to replace, that practical experience of workshop operations on a commercial basis which every mechanical engineer must obtain for himself.

The work of the Lecture Rooms is illustrated throughout the course by experimental work carried out by the student, and by demonstrations in the laboratories of the department.

The subjects of instruction and the number of hours per week, devoted to each subject are as follows:—

English..... Mathematical Laboratory..3 (a)

Freehand Drawing 3	Physical Laboratory 3
Lettering 3	Shopwork 7
Mathematics	
SECOND	YEAR.
Chemistry	Mechanical Drawing6
Descriptive Geometry3	Physics
Descriptive Mechanism	Chemical Laboratory2
Kinematics of Machines3	Physical Laboratory3
Mathematics	Shopwork

THIRD
Dynamics of Machines 2 Graphical Statics 2 (a) Machine Design 2 Mathematics 2 Mechanical Drawing 6 Metallurgy I (a) Physics 2
Fourth
Designing
V. MINING AND

I. The first two years of the Un Metallurgical Engineering are mai chanics, Physics, Elementary Chem that the Students should master th scientific work before they attack tized subjects of the professional control of the profe

In the third year the department Mining and Metallurgy, and a the again the chief work of the year is Mechanical Engineering, Geology,

The fourth year on the other had cial work in Mining and Metallur and demonstrations, nearly two departmental laboratories and draw

The subjects of instruction and toted to each subject are as follows:

voted to each subject	are	as f	ollo
		Fı	RST
Descriptive Geometry			. 7
English			2
Freehand Drawing			
Lettering			;
Mathematics			

	171
an ele-	THIRD YEAR.
general, d to the	Dynamics of Machines 2 Theory of Structures 3 Graphical Statics 2 (a) Thermodynamics 1 Machine Design 2 Dynamo Laboratory 3 (a)
inematic g motion th years,	Mathematics
are held	FOURTH YEAR.
istration. third and mechan-	Designing
rth Year, ted with the work ion given	Machine Design (exercises) I Thermodynamic Laboratory 12 Metallurgy I Shopwork 4
rth Years.	V. MINING AND METALLURGY.
n in each tended to erience of hanical enthe course lemonstrateek, de-	I. The first two years of the Undergraduate course in Mining and Metallurgical Engineering are mainly devoted to Mathematics, Mechanics, Physics, Elementary Chemistry, etc., as it is deemed desirable that the Students should master the general principles underlying all scientific work before they attack the somewhat complex and specialized subjects of the professional course. In the third year the department gives Elementary courses in both Mining and Metallurgy, and a thorough course in fire assaying, but again the chief work of the year is in Applied Mechanics, Elementary Mechanical Engineering, Geology, Mineralogy and Chemistry. The fourth year on the other hand is very largely given up to special work in Mining and Metallurgy, and, in addition to the lectures and demonstrations, nearly two days per week are spent in the departmental laboratories and drawing room. The subjects of instruction and the number of hours per week devoted to each subject are as follows:—
	FIRST YEAR.
	Descriptive Geometry. 7 Physics. 2 English. 2 Mathematical Laboratory. 3 (a) Freehand Drawing. 3 Physical Laboratory. 3 Lettering. 3 Shopwork. 7 Mathematics. 10

SECOND YEAR.

Chemistry..... Physics....

Descriptive Geometry3 Descriptive Mechanism1 Mapping3 Mathematics6 THIRD Geological Excursions4 (c) Geological Museum Work1 (b)	Physics (1900-01 only) 2 (a) 1 (b) Surveying
Geology	Theory of Structures
Fourth	YEAR.
Chemistry	Palaeontology2 (b) opt. Petrography1 (a) Mechanical Engineering2 (a) Transportation1 Assay Laboratory (1900)4 (b) Chemical Laboratory6 Hydraulic Laboratory 3 (b) opt. Metallurgical Lab. 7 (a), 5 (b) Ore-dressing Lab. 5 (a), 6 (b) Petrographical Laboratory.3 (b)

VI. PRACTICAL CHEMISTRY.

The course in Practical Chemistry is arranged to give the student in the first two years a thorough knowledge of the fundamental principles of Chemistry and Physics, with sufficient Mathematics to enable him to understand the theoretical parts of these subjects.

In the two subsequent years Chemistry, analytical, organic and physical, is taught both in its purely scientific aspects and in its relation

to all kinds of commercial the prosecution of post-grad Chemistry.

The subjects of instruction voted to each subject are as

Descriptive Geom	etry	
English		•
Freehand Drawin	ng	•
Lettering		
Mathematics		

CI .				
Chemistry		 • •		
Mathematics	٠.	 		
Physics	٠.	 ٠.	٠.	

Chemistry									
Determinative	M	Ιi	n	eı	a	10	g	y	t
Geology									
Metallurgy									
Mineralogy									

Chemistry					
Mineralogy.		•	•		

§ XI. CO

N.B.—The following couing the year as the Facult

Professor:—S. HENBEST (

. I. A

Lecture

The courses of study ard I. General Architectural Ancient Egypt; Green Architecture. (Seconders; Gothic; Renais

commercial	work	Special	facilities a	are af	forded	for
or post-grad	iuate res	search w	ork in an	the b	ranches	5 01
					-	
					•	1
	of post-grad	of post-graduate res	of post-graduate research w	of post-graduate research work in all	of post-graduate research work in all the b	commercial work. Special facilities are afforded of post-graduate research work in all the branches of instruction and the number of hours per week,

..2

..4

atory......6

tory......3

only) 2 (a) 1 (b) 3 ctures.. 3 S..... I

ratory.. 3 Mineralogy 3 Laboratory.4 (b) .ab..2 (a)

ratory 3 (a) atory 3 (b) cs Lab.. ..2 (b)

.2 (b) opt.

.. (a) Engineering...2 (a) I ory (1900)..4 (b) oratory..6

oratory 3 (b) opt.

Lab. 7 (a), 5 (b)

.ab. 5 (a), 6 (b) Laboratory.3 (b)

to give the student

fundamental prin-

Mathematics to en-

1, organic and phy-

and in its relation

iese subjects.

voted to each subject are as follows:-

FIRST YEAR.

Descriptive Geometry 7	
English 2	Mathematical Laboratory3 (a)
Freehand Drawing 3	
Lettering 3	Shopwork
Mathematics	
SECOND	VEAR

SECOND YEAR.

Chemistry	 	 	 3	Chemical	Laboratory	 17
Mathematics	 	 	 6	Physical	Laboratory	 3
Physics	 	 	 2			

THIRD YEAR.

Chemistry	Ore-dressing
Determinative Mineralogy	Physics
Geology	Chemical Laboratory 18
Metallurgy I	
Mineralogy2	

FOURTH YEAR.

Chemistry	 	4	Chemical	Laboratory	 29
Mineralogy.	 	2 (a)			

§ XI. COURSES OF LECTURES.

N.B.—The following courses are subject to such modifications during the year as the Faculty may deem advisable.

I. ARCHITECTURE.

Professor: -S. HENBEST CAPPER, M.A. (Macdonald Professor of Architecture.)

Lecturer:—H. F. Armstrong.

The courses of study are as follows:-

I. General Architectural History. Second Year. (First Term), Ancient Egypt; Greece; Rome; Byzantine and Early Christian Architecture. (Second Term), Romanesque; the Monastic Orders; Gothic; Renaissance. Tues., 12; Thurs., 11. Mr. Capper. Text Books:-

Smith & Slater: "Architecture, Classic & Early Christian;" Smith & Poynter: "Architecture, Gothic & Renaissance;" (S. Low, Marston & Co.); or Hamlin: "History of Architecture" (Longmans, Green & Co.).

Reference Books:-

Ferguson: "History of Architecture" (Murray). R. Sturgis: "European Architecture." (Macmillan). Moore: "Gothic Architecture." (Macmillan).

2. Renaissance and Modern Architecture. Third Year. (First Term)
Italy; Spain. (Second Term) France; England; Colonial;
Modern. Wed., 12; Thurs., 9. Mr. Capper.

Text Book:-

Anderson: "Renaissance Architecture in Italy" (Batsford.)

Reference Books:-

Fergusson: "History of Modern Architecture" (Murray). Blomfield: "Renaissance Architecture in England." (Bell).

3. Domestic, Public and Ecclesiastical Architecture. Fourth Year.
Historical Survey; modern conditions and requirements. Fri.,
9. Mr. Capper.

Reference Books:-

Statham: "Modern Architecture" (Chapman & Hall). Stevenson: "House Architecture" (Macmillan).

4. Elements of Architecture. Second Year. The classical Orders; arcading, mouldings, etc., classical and gothic; composition; elements of architectural effect; style. Wed., 11. Mr. Capper.

Reference Books:-

Baldwin Brown: "The Fine Arts" (Murray; Scribner). Statham: "Architecture for General Readers" (Chapman & Hall).

5. Art History. Third and Fourth Years together. Sculpture; painting; the industrial arts. Tues., 9. Mr. Capper. • Reference Books:—

Baldwin Brown: "The Fine Arts" (Murray; Scribner). Upcott: "Introduction to Greek Sculpture," (Clarendon Press), Gardner: "Handbook of Greek Sculpture." (Macmillan).

6. Drawing and Modelling.

(a) Freehand Drawing from the cast (ornament and figure).

Second Year, 4 hrs.; Third and Fourth Years, 6 hrs.;
extra time for Water Colour work. Mr. Armstrong.

(b) Architectural Drawing and Design.—Mr. Capper. Second Year, 7 hrs. Studies of the orders; rendering with pen and brush. Order problems:—(Session 1899-1900): "A Pavilion in a Park;" "A Museum Staircase."

Third Year (First term blems in design:a Roman Doric brary;" "A Boat cial Museum;" (limited in time):

Fourth Year, 20 hrs.; 1899): "A City C College Chapel; blems (limited in Portico and Wel

Advanced (Graduate)
1899-1900): "A
Church;" "A P
Sketch Problems
Yard;" "A Four

(c) Modelling. Third
Architectural or
Mr. Armstrong.

Building Construction.
 (see page 151), Tues., 1

Text Books:-

Burrell: "Elementary "Advanced Building Co Reference Books:—

Kidder: "Building Co stock); "Notes on I ries); (Longmans, (struction Plates" (Cas

 Specifications and Cont General Conditions of professional practice.

Reference Books:—
Bower: "Specification don).

9. Hygiene. Third and I nitation and House (stallation. (Second t

ARCHITI

During the session 1900-(McGill), and M. C. J. Dominion Bridge Works, following:— rly Christian;" naissance;" (S. Architecture"

ray). R. Stur-Moore: "Gothic

r. (First Term) and; Colonial;

" (Batsford.)

'e" (Murray). land." (Bell). 'e. Fourth Year. equirements. Fri.,

man & Hall).

classical Orders; composition; elet. Mr. Capper.

ırray; Scribner). rs" (Chapman &

ther. Sculpture; Capper.

y; Scribner). Up-Clarendon Press), (Macmillan).

ament and figure).

11th Years, 6 hrs.;

Mr. Armstrong.

r. Capper. Second rendering with pen ion 1899-1900): "A taircase." Third Year (First term), 13 hrs.; (Second term), 10 hrs. Problems in design:—(Session 1899-1900): "A Loggia upon a Roman Doric Arcade;" "The Staircase of a Public Library;" "A Boat House and Landing Stage;" "A provincial Museum;" "A Billiard Room." Sketch Problem (limited in time): "A Covered Bridge in a Private Park."

Fourth Year, 20 hrs.; Problems in design:—(Session 1898-1899): "A City Club House;" "A Cottage Hospital;" "A College Chapel; "A Small Public Hall." Sketch Problems (limited in time): "A Stone Bridge;" "A Covered Portico and Well."

Advanced (Graduate) Course. Problems in design:—(Session 1899-1900): "A Student's Hall;" "A Gothic Memorial Church;" "A Public Library;" "An Opera House." Sketch Problems: "An Entrance Gateway to a Naval Yard;" "A Fountain in a Park."

(c) Modelling. Third and Fourth Years, 3 hrs. (second term).

Architectural ornament modelled in clay from the cast.

Mr. Armstrong.

7. Building Construction. Second Year. Lectures and exercises, (see page 151), Tues.,, 12. Mr. Capper and Mr. Lea.

Text Books:-

Burrell: "Elementary Building Construction" (Longmans); "Advanced Building Construction" (Longmans).

Reference Books:-

Kidder: "Building Construction and Superintendence" (Comstock); "Notes on Building Construction" (Rivington's Series); (Longmans, Green & Co.). Mitchell: "Building Construction Plates" (Cassell).

8. Specifications and Contracts. Third and Fourth Years together. General Conditions of contract; specifications for various trades; professional practice. Mon., 9. Mr. Capper.

Reference Books:-

Bower: "Specifications" (Comstock). "Specification" (London).

9. Hygiene. Third and Fourth Years together. Principles of Sanitation and House drainage; ventilation; heating; electric installation. (Second term), Fri., 12. Mr. Capper.

ARCHITECTURAL ENGINEERING.

During the session 1900-1901, Messrs. E. E. S. Mattice, B.A.Sc. (McGill), and M. C. J. Beullac, B.Sc. (Univ. of France), of the Dominion Bridge Works, will give special courses of lectures in the following:—

1. Building materials; the history, properties, tests and uses of all materials of construction.

2. Specifications and professional practice; the different methods of preparing specifications for estimates, instructions to bidders, and rules to be observed in writing specifications, general clauses, law of contracts.

3. Building Construction:

- (a) Carpentry; frames, joints, framing of floors and roofs, partitions, bridging, furring, etc.
- (b) Slow burning construction.
- (c) Masonry.
- 4. Hygiene:
 - (a) Plumbing.
 - (b) Disposal of household refuse.
 - (c) Heating.
 - (d) Ventilation.
- 5. Steel frame buildings; design, mill-work, steel and cast iron columns and connections, beams and girders, framing and wind bracing.

Special designs will be prepared in the drawing-room illustrating the several subjects of the lectures.

ARCHITECTURAL EQUIPMENT.

The architectural equipment consists of a representative collection of casts of architectural detail and ornament and sculpture; of photographs and illustrations; an arc-light electric lantern; a large collection of slides, diagrams and models; and a library for architectural study. (See § XIII.)

WOMEN STUDENTS.

The Architectural, Freehand Drawing and Modelling Classes are open to Women Students. Information as to admission may be obtained on application to the Dean of the Faculty or to the Professor of Architecture.

2. CHEMISTRY AND ASSAYING.

Professors: B. J. HARRINGTON, M.A., Ph.D., LL.D. (Greenshields Professor of Chemistry and Mineralogy).

> J. WALLACE WALKER, M.A., Ph.D. (Macdonald Professor of Chemistry).

Lecturers:

NEVIL NORTON EVANS, M.A.Sc.

Demonstrators:

Students in all the departments of Applied Science are expected to take up the study of Chemistry in the Second Year, having previously acquired a knowledge of son of their course. They atten tutorial classes, on the laws mulae and Equations, the important Elements and the vote at least one afternoon cal work in the laboratory, v of ordinary apparatus, and I to cultivate the powers of c experiments involve accurat mentary laboratory is well st term considerable attention tive Analysis.

The lectures in the Third (a) A course dealing mai ployed in chemical analysis, the laboratory. One lecture on the Metals and some o sisting of two lectures a wee course on Organic Chemistry the second term. (d) A co Iron and Steel. One lectur

The laboratory work of course of Qualitative and latter case gravimetric, vo analysis of Iron and Steel v

Lectures in the Fourth Ye Chemistry, and a course or two lectures a week. In th attention is paid to the comr in the Arts. The lectures two parts. In the first ter properties of gases, liquids their chemical constitution. Action. The second term is and applied. The lectures gaseous laws to solutions. the most recent applications and Chemicals.

Laboratory work in the requirements of students. The will take up a complete cou but they must also spend so and uses of all

erent methods of ions to bidders, ications, general

and roofs, parti-

el and cast iron raming and wind

room illustrating

entative collection alpture; of photon; a large collecfor architectural

elling Classes are mission may be ty or to the Pro-

G.

D. (Greenshields gy).

acdonald Professor

ce are expected to having previously acquired a knowledge of some branches of Physics in the First Year of their course. They attend a course of lectures, supplemented by tutorial classes, on the laws of Chemical Combination, Chemical Formulae and Equations, the preparation and properties of the more important Elements and their Compounds, etc. They must also devote at least one afternoon a week throughout the session to practical work in the laboratory, where they learn the construction and use of ordinary apparatus, and perform a series of experiments designed to cultivate the powers of observation and deduction. Many of the experiments involve accurate weighing, and for this purpose the elementary laboratory is well supplied with balances. During the second term considerable attention is also devoted to the subject of Qualitative Analysis.

The lectures in the Third Year comprise:-

(a) A course dealing mainly with the methods and reactions employed in chemical analysis, being explanatory of the work done in the laboratory. One lecture a week durin the session. (b) A course on the Metals and some of their more important compounds, consisting of two lectures a week during the first term. (c) An elementary course on Organic Chemistry, consisting of two lectures a week during the second term. (d) A course on the composition and analysis of Iron and Steel. One lecture a week during the second term.

The laboratory work of the Third Year comprises an extensive course of Qualitative and Quantitative Analysis, including in the latter case gravimetric, volumetric and electrolytic methods. The analysis of Iron and Steel will be taken up during the second term.

Lectures in the Fourth Year include a systematic course of Organic Chemistry, and a course on Physical Chemistry, each consisting of two lectures a week. In the lectures on Organic Chemistry special attention is paid to the commoner substances which find an application in the Arts. The lectures on Physical Chemistry are divided into two parts. In the first term they include a study of such physical properties of gases, liquids and solids as are known to depend upon their chemical constitution, Thermo-chemistry, and the law of Mass Action. The second term is devoted to Electro-Chemistry, theoretical and applied. The lectures will be based upon the application of the gaseous laws to solutions. This will be followed by descriptions of the most recent applications of Electricity to the production of Metals and Chemicals.

Laboratory work in the Fourth Year will be arranged to suit the requirements of students. Those intending to prosecute organic work will take up a complete course of Organic Preparations and Analysis, but they must also spend some time on the essential physico-chemical

methods; while students of Physical Chemistry must spend enough time in the Organic Laboratory to become familiar with the chief methods of organic work. Those intending to devote themselves to Mineral Chemistry will omit the Organic Chemistry, but must study the more important Physico-Chemical methods, and devote a large amount of time to advanced Mineral Analysis. All students in the Chemistry Course must take up Water and Gas Analysis during the first term.

Laboratory courses will also be provided for students who wish to make a specialty of any particular branch of Industrial Chemistry, such as the Chemistry of Oils, Iron and Steel Analysis, Bleaching, Papermaking, and manufacture of Chemicals, etc.

3. CIVIL ENGINEERING AND APPLIED MECHANICS.

Professor:—Henry T. Bovey, M. Inst. C. E. (Scott Professor of Civil Engineering and Applied Mechanics).

Assistant Professors:—R. S. Lea, Ma.E. E. G. Coker, M. Sc., A.M. Inst. C.E, Demonstrator:—S. J. Allen, B.Sc.

THEORY OF STRUCTURES.

The lectures on this subject embrace:-

(a) The analytical and graphical determination of the stresses in the several members of framed structures, both simple and complex, as, e.g., cranes, roof and bridge trusses, piers, etc.

(b) The methods of ascertaining and representing the shearing forces and bending moments to which the members of a structure are subjected.

(c) A study of the strength, stiffness and resistance of materials, including a statement of the principles relating to work, inertia, energy, together with a discussion of the nature and effect of the different kinds of stress and the resistance offered by a material to deformation and to blows.

(d) The design and proper proportioning of beams, pillars, shafts, roofs, bridge piers and trusses, arches, arched ribs, masonry dams, foundations, earth works and retaining walls.

Graphics.—A complete course of instruction is given in the graphical analysis of arches and of bridge, roof and other trusses, and in the graphical solution of mechanical problems. It is therefore possible for the student to apply both the analytical and graphical

methods of treatment, and lations.

TEXT-BOOK.—Bovey's T Materials.

The Laboratory Work (s FOURTH YEAR.—During engage in a research upon construction, with special i material in the structure.

During session 1899-1900 ing:—

- (a) The flow of steel in
- (b) The compressive stre
- (c) The strength of steel THIRD YEAR.—During the following.—
- (a) The Testing of Timb ber beams; compressive, be of specimens from the san
- (b) The Testing of Iron iron, wrought iron and stee tests of specimens of mild
- (c) The testing of Bricks tion and rumbling tests of and shearing tests of slates
- (d) The Testing of Concretes and cements, in acc
- (e) Notes on the charactetc., and special tests of the

RR

A course of lectures is cluding:

- (a) The reasons govern bridge;
 - (b) A discussion of the 1
- (c) The calculations of bridge;
- (d) The determination members:
 - (e) The design of the c
 - (f) The preparation of

t spend enough with the chief te themselves to but must study devote a large students in the alysis during the

lents who wish strial Chemistry, llysis, Bleaching,

MECHANICS.

cott Professor of nics).

INST. C.E,

of the stresses in uple and complex,

ing the shearing ers of a structure

tance of materials, to work, inertia, id effect of the dify a material to de-

ams, pillars, shafts, ibs, masonry dams,

other trusses, and is. It is therefore ytical and graphical methods of treatment, and thus to verify the accuracy of his calculations.

TEXT-BOOK.—Bovey's Theory of Structures and Strength of Materials.

The Laboratory Work (see also § XII.) is as follows:-

FOURTH YEAR.—During the Fourth Year students are expected to engage in a research upon the physical properties of a material of construction, with special reference to the form and position of such material in the structure.

During session 1899-1900, theses have been prepared on the following:—

- (a) The flow of steel in tension bars of different sections.
- (b) The compressive strength of concrete cubes.
- (c) The strength of steel under combined torsion and bending.

THIRD YEAR.—During the Third Year the laboratory work includes the following.—

- (a) The Testing of Timber.—Transverse tests of hard and soft timber beams; compressive, bearing, tensile, shearing and torsional tests of specimens from the same beams.
- (b) The Testing of Iron, Steel and Alloys.—Tensile tests of cast iron, wrought iron and steel beams; tensile, compressive and torsional tests of specimens of mild steel, cast steel, cast iron and alloys.
- (c) The testing of Bricks, Stones, Slates, etc.—Compressive, absorption and rumbling tests of bricks and stones; transverse, compressive and shearing tests of slates and other materials.
- (d) The Testing of Concrete and Cement.—Complete tests of concretes and cements, in accordance with the standard methods.
- (e) Notes on the characteristics, uses, life, methods of preservation, etc., and special tests of the various materials of construction.

BRIDGE CONSTRUCTION.

A course of lectures is given on practical bridge construction, including:

- (a) The reasons governing the selection of a particular type of bridge:
 - (b) A discussion of the loads to which the bridge will be subjected;
- (c) The calculations of the stresses in the several members of the bridge:
- (d) The determination of the sectional areas and forms of the members;
 - (e) The design of the connections:
 - (f) The preparation of complete engineering drawings.

HYDRAULICS.

The Student is instructed in the fundamental laws governing the equilibrum of fluids, and in the laws of flow through orifices, mouthpieces, submerged (partially or wholly) openings, over weirs, through pipes and in open channels and rivers. The impulsive action of a free jet of water upon vanes, both straight and curved, is carefully discussed, and is followed by an investigation of the power and efficiency of the several hydraulic motors, as, e.g., Reaction Wheels, Pressure Engines, Vertical Water Wheels, Turbines, Pumps, etc.

TEXT-BOOK.—Bovey's Hydraulics.

The laboratory work (see also § XII.) wi'l include the following:—

(a) Flow through orifices.—The determination of the co-efficients of

discharge, aelocity, etc.

(b) Flow over weirs.—The determination of the coefficient of discharge with and without side contraction. Also the measurement of the section of the stream.

(c) Flow through pipes.—The determination of the effect upon the flow, of angles, bends and sudden changes in section.

(d) Impact.—The determination of the coefficient of impact.

(e) Motors. etc.—The determination of the efficiency of Pelton and other wheels, of vortex and other turbines, of centrifugal and other pumps, etc.

HYDRAULIC MACHINERY.

The lectures in this Course apply the principles of hydraulics to explain the construction and action of hydraulic machinery, and the design of one or two types is considered in detail.

As far as possible working drawings are used to illustrate the lec-

MUNICIPAL ENGINEERING.

The lectures on this subject will embrace:-

(a) Water Supply.—The quantity and quality of water; systems and sources of supply; rainfall and evaporation; storage as related to the supplying capacity of water-sheds; natural and artificial purification; distribution, including the location of mains, hydrants, stopvalves, etc., combined or separate fire and domestic systems; details of construction, including dams, reservoirs, pumps, etc.; preliminary surveys, estimates of cost, statistics, etc.

(b) Sewerage of Cities an removal of sewage; special ate disposal; the proportion and intercepting sewers; materials used in construct

ELEMENTS OF BUILDIN

Lecturers:—]

These lectures will treat
(a) Brick and stone mason:

- (b) Timber framing; flooring
- (c) Iron and steel framing
- (d) Fire-proof and slow-bi
- (e) The bearing power of occur in Nature.
- (f) The stability and chara site, taking into ac
- (g) The construction of di and in water, by pneumatic caissons

4. DESCI

Lecturers:

This course deals with the plane so that their true descusses the methods emply various problems arising if with the principles underly taught are in all cases illus. It is the aim of the work to power of mentally picturicision in the use of the dra

FIRST YEAR.—Geometric cluding penetrations, deve jection.

Second Year.—Problem of plane and solid figures. Intersections of curved sur shadows.

governing the orifices, mouth-weirs, through sive action of ved, is carefully he power and eaction Wheels, Pumps, etc.

ude the follow-

co-efficients of

efficient of dislso the measure-

effect upon the n section. impact. y of Pelton and of centrifugal and

hydraulics to exachinery, and the

illustrate the lec-

of water; systems storage as related and artificial purins, hydrants, stoptic systems; details s. etc.; preliminary (b) Sewerage of Cities and Towns.—The various systems for the removal of sewage; special methods in use for its treatment and ultimate disposal; the proportioning and construction of main, branch and intercepting sewers; manholes, flush-tanks, catch-basins, etc.; materials used in construction; estimates of cost.

ELEMENTS OF BUILDING CONSTRUCTION AND FOUNDATIONS.

Lecturers:-Professors Capper and Lea.

These lectures will treat of:-

- (a) Brick and stone masonry.
- (b) Timber framing; flooring, beams, columns, centering, etc.
- (c) Iron and steel framing; girders, columns, etc.
- (d) Fire-proof and slow-burning construction.
- (e) The bearing power of the various soils, rocks, etc., as they occur in Nature.
- (f) The stability and character of the underlying material at any given site, taking into account the effect of frost, erosion, etc.
- (g) The construction of different kinds of foundations, both on land and in water, by piling, dredging, coffer dams, open and pneumatic caissons, freezing, etc.

4. DESCRIPTIVE GEOMETRY.

Lecturers:—C. H. McLeod, Ma.E. H. F. Armstrong.

This course deals with the methods of representing objects on one plane so that their true dimensions may be accurately scaled. It discusses the methods employed in the graphical solution of the various problems arising in engineering design, and deals generally with the principles underlying all constructive drawing. The methods taught are in all cases illustrated by applications to practical problems. It is the aim of the work to develop the imagination in respect to the power of mentally picturing unseen objects, and, incidentally, precision in the use of the drawing instruments is attained.

FIRST YEAR.—Geometrical drawing, orthographic projections, including penetrations, developments, sections, etc. Isometric projection

SECOND YEAR.—Problems on straight line and plane. Projections of plane and solid figures. Curved surfaces and tangent planes. Intersections of curved surfaces. Axometric projections. Shades and shadows.

THIRD YEAR.—Mathematical perspective and perspective of shadows, etc. Spherical projection and the construction of maps. (This course is given under Surveying and Geodesy, see XI, 14.)

5. ELECTRICAL ENGINEERING.

Professor:—R. B. Owens, M.A., M.S., E.E. (Macdonald Professor of Electrical Engineering).

Lecturer.—L. A. HERDT, Ma.E., E.E., Demonstrator:—J. W. Fraser, B.Sc.

Undergraduate Courses.

- 1. Electro-Magnetism and the Magnetic Circuit. The theory and application of the laws of electro-magnetism and the laws of the magnetic circuit. T., Th., at 9—Mr. Herdt. First term.
- 2. Direct Current Dynamo-Electric machinery. The principles of action of commutating and rectifying machines are discussed, and their practical design considered upon the general lines developed by Hopkinson and Kapp, and used by our best makers. Each student is required to design and make complete drawings of a direct current machine. T. Th., at 9—Professor Owens. Second term.
- 3. Alternating Currents and Alternating Current machinery. Theoretical consideration of variable current flow in circuits containing resistance, inductance and capacity under different conditions. The principles of action of synchronous and induction apparatus. Complete designs of one of more types of alternating current machines are required. M., W., F., at II—Professor Owens. First and Second term.
- 4. Electric Lighting and Systems of Electric Distribution. The location, design and operation of central and isolated lighting plants. The design and construction of distributing lines. Arc and incandescent lamps. The application of motors for general power purposes. Each student is required to design a lighting or power plant, making drawings and estimates for its construction, and to make a test of, or a report on, a commercial plant. T., W., F., at 10—Mr. Herdt. First term.
- 5. Electric Railways and Electricity in Engineering Operations. The location, design and operation of power plants for city and inter-urban service; line and track construction, car equipment. Electric locomotives for special service, electricity in mining, ventilating, hoisting, etc. Station economics. T., W., F., at 10—Mr. Herdt.

EXPERIMENTAL CAR.—By the way Company, a special test gating the problems of tram

6. Electrical Engineering

- (a) Includes such tests of a motor-generators, dynamot constant current machines, a trate the principles of their terms.
- (b) Includes similar tests compensators and converter action coils, frequency and F., 2-5. First and Second t
- 7. Telegraphy and Teleph tiplex telegraph systems, to telegraph and telephone we tions. Line construction as One lecture per week, at First term.

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- 8. Special problems in the worning. Two lectures pe Owens. First and Second 9. Advanced Laboratory Students having necessary Herdt.
- 10. Electrical Engineering at which students present engineering literature and studies or their laboratory

6. ENGLISH LA

Professor: -C. E. Moy Lang Lecturer:— ...

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ering Operations. its for city and equipment. Elecining, ventilating, 10—Mr. Herdt. EXPERIMENTAL CAR.—By the courtesy of the Montreal Street Railway Company, a special testing car, completely equipped for investigating the problems of tramway work, is available.

6. Electrical Engineering Laboratory:

- (a) Includes such tests of direct current dynamos, motors, boosters, motor-generators, dynamotors, converters, open and closed coil constant current machines, and arc and incandescent lamps as illustrate the principles of their action. T., Th., 2-5. First and Second terms.
- (b) Includes similar tests upon alternators; synchronous motors, compensators and converters; transformers, potential regulator, reaction coils, frequency and phase-changing apparatus, etc. M., W., F., 2-5. First and Second terms.
- 7. Telegraphy and Telephony. Single, duplex, quadruplex and multiplex telegraph systems, telephone systems, current generation for telegraph and telephone work, central telegraph and telephone stations. Line construction and testing. Special systems of signalling. One lecture per week, at time to be arranged—Professor Owens. First term.

Graduate Courses.

- 8. Special problems in the theory and practice of alternating current worning. Two lectures per week at time to be arranged—Professor Owens. First and Second Terms.
- 9. Advanced Laboratory Investigations. Special research work by Students having necessary previous training—Professor Owens, Mr. Herdt
- 10. Electrical Engineering Seminar. Weekly meetings are held, at which students present carefully prepared papers upon current engineering literature and special topics in connection with their studies or their laboratory work—Professor Owens, Mr. Herdt.

6. ENGLISH LANGUAGE AND LITERATURE.

Professor: -C. E. Moyse, B.A. (Molson Professor of English Language and Literature).

Lecturer:—

A special course in English Composition is prescribed for all students in the First Year. The general aim of this Course is to train the students to express themselves in good English, and to cultivate in them readiness and accuracy of perception in matters of thought and style. Essays on current events and on popular and literary sub-

jects, based on selections from the writings of well-known authors, are written weekly.

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VACATION WORK.—During the vacation, students entering the Second Year are expected to read certain selected standard works in literature and fiction, and are required to pass an examination based upon a knowledge of the textual matter of such works. The marks obtained in this examination will be reckoned in determining the relative standing at the sessional examinations at the end of the Second Year.

The works selected for the vacation of 1900 are:— Shakspeare's Tempest, ed. Deighton (Macmillan);

Scott's Waverley;

Goldsmith's Vicar of Wakefield;

Selections from the Spectator, edit. by Deighton (Macmillan).

French Students may substitute for the above the following:-

Corneille-Le Cid, Horace.

V. Hugo-Hernani, Ruy Blas.

Balzac-Eugenie Grander.

Students will also be required to possess some knowledge of the lives of the above authors, and of the theories of literary art which they severally represent.

7. EXPERIMENTAL PHYSICS.

Professors:—John Cox, M.A. (Macdonald Professor of Physics).

E. Rutherford, M.A. (Macdonald Professor of Physics).

Demonstrators:—ROBERT O. KING, M.A.Sc. R. M. McClung, B.A. R. M. McClung, B.A.

The instruction includes a fully illustrated course of Experimental Lectures on the general Principles of Physics (embracing, in the Second Year—The Laws of Energy—Heat, Light and Sound; in the Third Year—Electricity and Magnetism), accompanied by courses of practical work in the Laboratory, in which the Students will perform for themselves experiments, chiefly quantitive, illustrating the subjects treated in the lectures. Opportunity will be given to acquire experience with all the principal instruments used in exact physical and practical measurements.

LABORATORY COURSE.—Three hours per week spent in practical measurements in the Macdonald Physical Laboratory in conjunction with the lecture courses.

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Sound.—Velocity of Sound; determination of rates of vibration of tuning forks; Resonance; laws of vibration of strings.

Light.—Photometry; Laws of Reflection and Refraction; focal lengths and magnifying powers of mirrors, lenses, telescopes and microscopes; the sextant; spectroscope, spectrometer, diffraction grating, optical bench, polariscopes.

Heat.—Construction and calibration of thermometers; melting and boiling points; air thermometer; expansion of solids, liquids and gases; calorimetry; pyrometry.

Magnetism and Electricity.—Measurements of pole strength and moment of a magnet; the magnetic field; methods of deflection and oscillation; comparison of moments and determination of the elements of the earth's magnetism; frictional electricity.

Current Electricity.—A complete course of measurements of current strength, resistance and electromotive force; calibration of galvanometers; the electrometer; comparison of condensers; electromagnetic induction.

SECOND YEAR.—Electrical Engineering Students are given an extra laboratory period of 3 hours per week, which allows of a more extended and complete course of experimental work.

THIRD YEAR.—Students of Electrical Engineering will continue their work in the Physical Laboratory in the Third Year. The following is a brief outline of the course:—

Magnetic elements and measurements. Use of Variometers. Testing magnetic qualities of iron.

Theory and practice of absolute electrical measurements.

Comparison and use of electrical standards of resistance, E.M.F., self-induction and capacity.

Principles of construction of electrical instruments.

Testing and calibration of ammeters, voltmeters and wattmeters.

Insulation and capacity tests. Electrometers and Ballistic methods. Construction and treatment of storage cells. Testing for capacity and rate of discharge.

Electric light photometry.

An additional course on telegraph and telephone work is under consideration.

The following are some of the sections in which special provisions have been made for advanced physical work:—

Heat.—Thermometry. Comparison and verification of delicate thermometers. Air themometry. Measurement of high temperatures. Electrical resistance thermometers and pyrometers. Thermoelectric pyrometers.

Calorimetry. Mechanical Equivalent of Heat. Variation of spe-

cific heat with temperature. Latent heat of fusion and vaporisation. Heat of solution and combustion. Electrical methods.

Radiation and conduction of heat with special methods and apparatus. Dynamical theory of gases.

Viscosity. Surface Tension. Variation of properties with tempera-

Light.—Photometric standards. Spectro-photometry. Theory of colour vision. Spectroscopy and spectrum photography. Compound prism spectrometers. Six inch and 2½ inch Rowland Gratings. Study of spectra of gases. Fluorescence and anomolous dispersion. Polarimetry. Landolt and other polarimeters. Form of wave surface.

Sound.—Velocity in gases and various media. Absolute determinations of period. Harmonic analysis of sounds. Effects of resonance and interference.

Electricity and Magnetism.—Magnetic properties. Influence of stress and torsion. Influence of temperature. Effects of hysteresis Magneto-optics. Other effects of Magnetisation. Diamagnetism.

Electrical standards and absolute measurements. Calibration of electrical instruments.

Insulation and capacity testing. Electrometer and Ballistic methods Temperature variation of resistance and E.M.F. Thermo-electric effects. Electrolysis. Chemistry of primary and secondary batteries. Resistance of Electrolytes, Polarisation.

Electric discharge in gases and high vacua. Dielectric strength. Beliaviour of insulators under electric stress. Specific inductive capacity. Electro-magnetic optics. Alternating currents of high frequency and voltage. Electrical waves and oscillations. Discharge of electrification by Röntgen rays, ultra-violet uranium and thorium radiations.

Professor Cox will give a special course of lectures to advanced and graduate students, on "the relations between optics, electricity and magnetism," following the course given by Prof. Rutherford on "electric oscillations."

N.B.—Students taking a Graduate Course will receive guidance in any advanced Mathematics required in connection with their work.

8. FREEHAND DRAWING, LETTERING, ETC.

Assistant Professor:—H. F. ARMSTRONG.

In the Freehand Course, the object is to train the hand and eye so that students may readily make sketches from parts of machinery, etc., either as perspective drawings in light and shade, or as preparatory dimensioned sketches from which to make scale drawings.

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TERING, ETC.

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train the hand and eye from parts of machinery, and shade, or as preparamake scale drawings. In the Lettering Course, plain block alphabets, round writing and titles will be chiefly dealt with. In this course, also, tinting, tracing, blue printing and simple map drawing will be included.

9. GEOLOGY AND MINERALOGY.

Professors:—B. J. HARRINGTON, M.A., Ph.D., LL.D. FRANK D. ADAMS, M.A.Sc., Ph.D.

Demonstrator:-OSMOND E. LEROY, B.A.

The courses are arranged as follows:-

THIRD YEAR .-

GENERAL GEOLOGY.—The lectures will embrace a general survey of the whole field of Geology, and will be introduced by a short course on Mineralogy. Especial attention will be devoted to Dynamical Geology and to Historical Geology, including a description of the fauna and flora of the earth during the successive periods of its past history, as well as to the economic aspects of the subject.

The lectures will be illustrated by the extensive collections in the Peter Redpath Museum, as well as by models, maps, sections and lantern slides. There will be an excursion every Saturday until the snow falls, after which the excursion will be replaced by a demonstration in the Museum.

Books of Reference.—Scott, An Introduction to Geology; Dana, Manual of Geology.

MINERALOGY.—Lectures and demonstrations illustrated by models and specimens in the Peter Redpath Museum. Among the subjects discussed are: Crystallography; physical properties of minerals dependent upon light, electricity, state of aggregation, etc.; chemical composition, calculation of mineral formulae, quantivalent ratios, etc.; principles of classification, description of species.

DETERMINATIVE MINERALOGY.—Laboratory practice in blowpipe analysis and its application to the determination of mineral species.

FOURTH YEAR:-

MINERALOGY (In continuation of the course in Third Year)—Description of species, particular attention being paid to those which are important as rock constituents and to the economic minerals of Canada.

Petrography.—The modern methods of study employed in Petrography are first described, and the classification and description of rocks is then taken up.

In addition to the lectures, one afternoon a week during the second term will be devoted to special microscopical work in the Petrographical Laboratory.

Text-Book.-HARKER, Petrology for Students.

PRACTICAL GEOLOGY AND ORE DEPOSITS.—The methods of observing and recording geological facts and carrying out geological surveys are explained and illustrated. Certain geological structures which are of especial importance from the standpoint of Applied Geology are then described in some detail, and the course concludes with a general treatment of the nature and mode of occurrence of Ore Deposits. The course will be illustrated by maps, models, specimens and lantern slides.

Text-Books.—Geikie, Outlines of Field Geology; Kemp, Ore Deposits of the United States; Phillips and Louis, A Treatise

on Ore Deposits.

CANADIAN GEOLOGY.—A general description of the Geology and Mineral Resources of the Dominion.

PETROGRAPHICAL LABORATORY.—See § XII, II.

GEOLOGICAL COLLOQUIM.—A discussion each week during second term of some Geological topic, references to the literature of which have been given by the Professor in the week preceding. The course is intended to give students some acquaintance with Geological literature, as well as a wider knowledge of the great principles which underlie the Science.

PALÆONTOLOGY.—(For students taking Honours.) Special studies

of some of the more important groups of fossils.

Books of Reference.—NICHOLSON and LYDEKKER, Manual of Palaeontology; ZITTEL, Text-Book of Palaeontology.

A course of Advanced Physical Geography will be substituted for

that on Palaeontology this year.

Note.—Students of the Mining and Chemistry courses take all the Mineralogy of the Third Year. Mining Students take all Courses of the Fourth Year. Chemistry Students take, in addition to the Geology of the Third Year, the Mineralogy of the Fourth Year.

The Petrographical Laboratory is open to Fourth Year Mining Students during the second term.

10. MATHEMATICS AND MATHEMATICAL PHYSICS.

Professor:—G. H. CHANDLER, M.A. Lecturer:—R. S. Lea, Ma.E.

The work in this department is conducted from the outset with special reference to the needs of Students of Applied Science. Much time is given to practice in the use of Mathematical Tables, particular

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d from the outset with f Applied Science. Much ematical Tables, particular attention being paid to the solution of triangles, the tracing of curves, graphical representation of functions, reduction of observations, etc. Areas, volumes, masses, centres of gravity, moments of inertia etc., are determined both by calculation and by observation or experiment, and each method is made to supplement or illustrate the other. In this connection, use will be made, in actual laboratory practice, of a large amount of apparatus, such as balances, Atwood's machines, inclined planes, chronographs, rotation apparatus of various kinds, etc. The different methods of approximation and the reduction of results of experiments and observations will also receive due attention.

The lectures will embrace the following subjects:-

FIRST YEAR.—Euclid, to the end of Book VI., with exercises on Loci, Transversals, etc., Algebra, including the Binominal Theorem, Elements of Solid Geometry and of Geometrical Conic Sections. Plane and Spherical Trigonometry. Elementary Kinematics and Dynamics (including Statics and Hydrostatics).

SECOND YEAR.—Analytic Geometry. Differential and Integral Cal-

culus. Dynamics of Solids and Fluids.

THIRD YEAR.—Continuation of Analytic Geometry, Calculus and Dynamics.

Classes may also be held for advanced (optional) work in these or other subjects.

N.B.—Students taking Graduate Courses will receive guidance in any advanced Mathematics required in connection with their work.

Text-Books (Partial list).—Todhunter's or Mackay's Euclid, Hall & Knight's Elementary Algebra. Wilson's Solid Geometry and Conic Sections, Wentworth's Analytic Geometry, Chandler's Calculus. Blakie's Dynamics, Wright's Mechanics, Bottomley's Mathematical Tables, Chambers' Mathematical Tables.

11. MECHANICAL ENGINEERING.

Professor:—R. J. Durley, B.Sc., Ma.E., A.M.Inst. C.E. (Workman Professor of Mechanical Engineering).

Lecturer:—H. M. JAQUAYS, M.A., M.Sc., A.M.Can,Soc.C.E. Demonstrator:—E. G. M. Cape, B.A.Sc.

I. DESCRIPTIVE MECHANISM. (Monday, 12.)

Workshop processes in mechanical engineering. Action of cutting tools and machine tools. Manufacture and use of various parts and details of typical machines. Forms of stationary, marine, and locomotive engines and boilers; types of pumping and ventilating machinery, gas and oil engines, air compressors, and refrigerating machinery.

Book of Reference:—Lineham's Mechanical Engineering, (Chapman & Hall.)

2. KINEMATICS OF MACHINES. (Wednesday, 11; Thursday, 10)
Definitions. Mechanisms and machines. Kinematic pairing. Velocity and acceleration in mechanisms. Centrodes. Restraint in mecanisms. Analysis of the quadric crank chain, the slider-crank chain, and the double-slider crank chain. Higher pairing in mechanisms. Cams, Ratchet and click trains. Chamber-crank and chamber-wheel trains. Mechanisms involving non-rigid links. Screw motion and spheric motion in mechanisms.

Book of Reference: - Kennedy's Mechanics of Machinery. (Mac-millan.)

3. DYNAMICS OF MACHINES,

THIRD YEAR.—(Monday, 10., Wednesday, 9). Elementary dynamics of the steam engine. Diagrams of crank effort. Fluctuation of energy and speed. Flywheels. Friction of journals and pivots. Graphic treatment of friction in mechanisms. Brakes. Dynamics of belt and rope driving. Transmission and absorption dynamometers.

FOURTH YEAR.—(Tuesday, 9, Wednesday, 10. Thursday, 12.) Balancing of double and single acting engines. Dynamics of the connecting rod. Gyrostatic action in machines. Theory of governors. Graphic methods in dynamics. Vibration in machines. Knocking of steam engines.

4. MACHINE DESIGN.

THIRD YEAR.—(Thursday, 11). Principles of the Strength of Materials as applied to the design of the parts of machines. Fastenings used in machine construction, bolts, screws, keys, cotters, rivets and riveted joints. Journals and bearings. Shafts and couplings.

FOURTH YEAR.—(Monday, 9.)—Design of wheel gearing. Belts, ropes, and pulleys. Pipes and pipe joints. Cylinders. Eccentrics, pistons and piston rods, connecting rods, cross-heads and other engine details. Flywheels. Design of valves and valve gears.

Text-Book:—Unwin's Machine Design (Longmans, 2 Vols.).

Book of Reference:—Low and Bevis' Machine Drawing and Design, (Longmans).

5. MECHANICAL DRAWING AND DESIGNING.

SECOND YEAR.—(Monday and Thursday).—Elementary principles of mechanical drawing and draftsmanship. Preparation of working drawings of simple machine details. Making dimensioned sketches of machines and their parts. Dimensioning and conventional colouring of drawings. Preparation of tracings.

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r).—Elementary principles Preparation of working king dimensioned sketches g and conventional colourTHIRD YEAR (Monday and Thursday, 2).—Designing of simple machine parts. More difficult exercises in mechanical drawing. Engine designing.

FOURTH YEAR (Monday and Thursday, 2).—The complete design of a machine, such as a steam engine, a pump, or a machine tool, is worked out, and the requisite working drawings and tracings are prepared.

6. MECHANICAL ENGINEERING (Thursday, 10; Friday, 9).

Steam boilers and steam production. Fuel and Combustion. Corrosion and defects of boilers. Boiler Installations.

The Steam Engine; estimation of power developed under various conditions. The indicator and its diagrams. Steam distribution, and performance of pumping and air-compressing machinery, as shown by the indicator. Economy of steam machinery. Gas and oil engines. Gas producers. Mechanical distribution of power, and losses of power, in power installations and workshops. Steam engine valves and valve gears. Valve diagrams. Speed regulation in steam engines. Lubrication in steam engines. Steam turbines and engines for special services. Relation between weight and power in steam machinery. Marine engines and ship propulsion. Elements of locomotive engineering. Tractive force in locomotives. Train resistance. Brakes. Refrigerating machinery.

Books of Reference:—Ewing's The Steam Engine (Camb. Univ. Press); Lineham's Mechanical Engineering (Chapman & Hall); Hutton's Mechanical Engineering of Power Plants (Wiley)

ton's Mechanical Engineering of Power Plants (Wiley).

7. THERMODYNAMICS. See page 169.

8. LABORATORY INSTRUCTION. See pages 180, 188.

9. WORKSHOP PRACTICE. See page 191.

Graduate Courses.

The Graduate Courses in Mechanical Engineering comprise experimental research work of the following kinds:—

Tests of the economy and performance of steam engines and boilers, hot air and gas engines, and air compressors. Experiments on the behaviour of superheated steam, on cylinder condensation, on feed heating, and on the value of fuels. Experiments on the properties and relative values of lubricants, on transmission and absorption dynamometers, on the efficiency of transmission machinery and of machine tools. Tests of fans and blowers. Experiments on the flow of air and of steam. Researches on the tempering and weld-

ing of various materials, on the properties of alloys and on the action of cutting tools.

12. METEOROLOGY.

Instruction in Meteorological Observations will be given in the Observatory at hours to suit the convenience of the Senior Students. Certificates will be granted to those Students who pass a satisfactory examination on the construction and use of Meteorological Instruments, and on the general facts of Meteorology.

13. MINING AND METALLURGICAL ENGINEERING.

Professor:—John Bonsall Porter, Ph.D., M.Inst.C.E., (Macdonald Professor of Mining and Metallurgy).

Lecturer:—F. W. DRAPER B.Sc. (Macdonald Lecturer in Metallurgy and Assaying).

Demonstrator:-E. Andrewes, B.Sc.

Fellow:—P. W. K. Robertson, B.Sc. (Dawson Fellow in Metallurgy).

I. The Undergraduate Courses in detail are as follows:-

MINING.

THIRD YEAR.—(1) Ore Dressing. One lecture a week on the theory and practice of ore dressing and coal washing.—Treatment of ores underground and at the surface, hand picking, crushing and sizing, separating, vanning, jigging, etc.

Mill machinery and appliances; breakers, rolls, screens, jigs, vanners, tables, washers, buddles, magnetic separators, etc. (25 lectures).

Laboratory, see (2).

(2). Laboratory course for (1). Simple examinations and tests of ores, sands and gravels, by means of pan, vanning shovel, hand jig, magnet, classifier, etc., giving experience in prospecting and testing without the aid of machinery, (40 hours). Further laboratory in Fourth Year, see (5).

FOURTH YEAR.—(3). Two lectures a week on Principles of Mining. Prospecting, sinking, drifting, developing, methods of mining, timbering, hauling, hoisting, drainage, lighting, ventilating, etc. Mine accidents and their prevention; general arrangement of plant, administration, stores and dwellings, etc. Mining law (25 lectures—see also 4).

(4). Two lectures a week in First, and one lecture a week in Second Term on Mining, Ore Dressing and Metallurgical Machinery, and three hours a week in drawing room and laboratory on Mining and

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examinations and tests in, vanning shovel, hand in prospecting and test-). Further laboratory in

on Principles of Mining, methods of mining, timg, ventilating, etc. Mine ingement of plant, adminng law (25 lectures—see

e lecture a week in Second allurgical Machinery, and laboratory on Mining and Metallurgical design. Mining and ore dressing machines and metallurgical appliances. (37 lectures and 75 hours in drawing-room, etc.)

(5). One day a week in the Ore Dressing Laboratory. Tests of ores, adjustment and use of machines: Horse-power and efficiency determination for different machines under varied conditions. Mill tests, etc., etc. (150 hours.)

Note.—Students especially interested in Metallurgy are permitted to give a part of this time to Metallurgical work. See Metallurgy, 9 and 10.

(6). Mining Colloquium.—One hour a week is given to an informal discussion of the work being done in the department, and of other matters relating to Mining and Ore dressing.

METALLURGY.

THIRD YEAR.—(1). One lecture a week in general elementary metallurgy—including introduction, fuels, furnaces and refractory meterials, typical metallurgical operations and reactions, iron smelting, etc. (25 lectures.)

(2). One lecture a week in First Term on Elementary Metallurgy arranged with especial reference to the needs of Students in Me-

chanical Engineering. (12 lectures.)

(3). Fire Assaying Laboratory. Assaying appliances. Furnaces, crucibles, scorifiers, cupels, etc. Pulp and button balances, and wet assay apparatus. Sampling and preparation of ores for assay; preparation and choice of fluxes and reagents, charges, methods, etc. Assays of gold and silver ores. Assays of lead ores. Parting of bullion, and assays of base bullion. Demonstrations and lectures, and 50 hours' laboratory work.

FOURTH YEAR.—(4). One hour a week in Metallurgy of Gold and Silver, etc. Extraction of precious metals from free milling ores; stamp mill amalgamation, amalgamating pans and barrels, patio process, etc. Extraction from refractory ores, roasting chlorination, cyanide process, special methods, etc. Laboratory as in (9). (25)

lectures.)

(5). One hour a week on the manufacture and properties of Iron and Steel, etc. Fuels, including calorimetry, pyrometry and furnace efficiencies. With laboratory as in (9) and (10). (25 lectures.)

(6). One hour a week on the Metallurgy of Copper, Lead, Zinc, Nickel, etc. Sampling and mixing of ores; calcination and roasting; mechanical calciners; smelting in reverberatory and shaft furnaces; matte fusions; Bessemerizing, refining, desilverizing, parting, etc. Wet methods; etc. Laboratory as in (9). (25 lectures.)

(7). One hour a week for one term on advanced Metallurgy, slag

calculations, etc., etc., with laboratory as in (9). (12 lectures.) (Optional with Hydraulics.)

(8). One hour a week for one term in Electro Metallurgy of Copper, Silver, Aluminum, Nickel, etc. Laboratory as in (9). (12 lectures). (Optional with Hydraulic Machinery.)

(9). Metallurgical Laboratory. Use of furnaces—roasting, smelting, refining, etc. Pyrometry and tests of refractory materials. Flue gases and flue dust. Electro metallurgy, cyaniding, chlorinating, amalgamating, etc. (100 hours in laboratory with demonstrations.) See also Note— Mining (5).

(10). A short course in Metallurgical laboratory on calorimetry and elementary pyrometry, flue gases, etc., in connection with (5). (24 hours, with additional time, special cases.)

This course is for both Mechanical and Mining Students, being the only laboratory work for the former.

Optional Courses are offered as above in second term of Fourth Year in Advanced and Electro Meta'lurgy, Mineral Chemistry, Electro Chemistry and Hydraulics. One of these several options must be taken. (25 lectures and laboratory work.)

(11). Metallurgical Colloquium.—About one hour per week is given to an informal discussion of the work being done in the department, and of other matters relating to Metallurgy.

Graduate Courses.

Special courses in advanced work are also offered in both Mining and Metallurgy, and these courses, owing to the unequalled equipment of the new laboratories, as detailed below, can be made exceedingly valuable both theoretically and practically.

Text-books:—No set text-books are used, but students are recommended to freely consult the following works of reference, in addition to the special references given from time to time:—

C. Le Neve Foster's Ore and Stone Mining; H. W. Hughes' Coal Mining; M. C. Ihlseng's Manual of Mining; W. B. Kunhard's Ore Dressing in Europe; T. A. Richard's Stamp Mining of Gold Ores; H. Louis' Handbook of Gold Milling; T. K. Rose's Metallurgy of Gold; C. Schnabel's Handbook of Metallurgy; E. D. Peters' Modern Methods of Copper Smelting; H. O. Hoffman's Metallurgy of Lead; T. Turner's Metallurgy of Iron; H. M. Howe's Steel; H. H. Campbell's Manufacture and Properties of Structural Steel; F. L. Bosqui's Notes on the Cyanide Process.

III. LABORATORIES.—The admirable laboratories of the University are of peculiar advantage to students, in the Mining Course, and

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ories of the University Mining Course, and enable them not only to become acquainted with the theory of their subject, but to personally investigate its methods on a large scale.

During the first three years of the course, the students do systematic work in the several workshops and laboratories. During the last part of the Third and the chief part of the Fourth Year they spend a large proportion of their time in the working laboratories for Ore Dressing and Metallurgy. (See § XII). In these latter, the general method is first to conduct before the whole class a limited number of important typical operations in ore dressing and metallurgy, and then to assign to each student certain methods which he must study out in detail, and upon which he must experiment and make written report. In this work he is guided by the professors and demonstrators, and assisted by the other students, each of whom he must in turn assist in his special work. In this way every student acquires detailed knowledge of certain typical operations and a fair general experience of all of the important methods in use.

IV. ILLUSTRATIONS, MUSEUMS, SOCIETIES, ETC.—In addition to a large series of lantern slides, the department already owns a collection of fifteen hundred photographs, more than ha'f of which are kept in series in duplicate, and loaned to students for the session; and arrangements are being made to furnish sets of these, at cost price, to such students as wish to retain them. This collection is rapidly being enlarged.

The Museum of the new building contains suites of ores, fuels and metallurgical materials, models of mines and furnaces, and specimens of finished products.

The McGill University Mining Society meets fortnightly to read and discuss papers by graduate and student members, and from time to time to hear lectures given by gentlemen eminent in the profession.

V. Excursions are made by the classes, from time to time, to such metallurgical works and mining establishments as are within reach.

VI. SUMMER SCHOOL.—The summer vacation class in Mining instituted in 1897 is now a fixed part of the course. All students of Mining in regular course are required to attend this class in the vacation between the Third and Fourth Years, and students passing from the Second to Third Year are advised to do so also.

The school was held in 1898 at the mines of the Dominion Coal Company in Cape Breton and at the Richardson and Hurricane Gold Mines in Nova Scotia. In 1899 the anthracite mining region of Pennsylvania, and the great iron and steel works near Philadelphia were visited. This year the school is being held in British Columbia, and the itinerary includes excursions to nearly all of the important camps and smelters.

The purpose of the school is to show the students by actual example

the relations that obtain between theory and practice in engineering, and to acquaint them sufficiently with the methods and details of practical mining and metallurgical work to enable them to appreciate the technical details of the final year's teaching.

About six weeks are spent by the class in visiting mines and furnaces and studying their operation. The processor of mining and his assistant go with the class, and give daily explanations and demonstrations. The students take notes and sketches, and at the end of the school each student writes up these notes in the form of a report, and these reports are accepted as the Summer Essays required by the Faculty.

Aid to Students.—The instruction given during this summer course is free to all mining students, and the only expense to them is the cost of board, lodging, and railway fares, and every effort is made to keep these expenses as low as is practicable.

As some students may have difficulty of finding even this sum in addition to the cost of the regular course, a fund has been provided by Sir William Macdonald, and deserving students who require aid can have money advanced them by applying to the professor of mining.

14. SURVEYING, GEODESY AND TRANSPORTATION.

Professor:—C. H. McLeod, Ma.E. Lecturer:—J. G. G. KERRY, Ma.E.

SURVEYING AND GEODESY.

This course is designed to give the student a theoretical and practical training in the methods of land and geodetic surveying, in the field work of engineering operations, and in practical astronomy. The course is divided as follows:—

SECOND YEAR.—Chain and angular surveying; the construction, adjustment, use and imitations of the various instruments. Underground surveying. Topography, levelling, contour surveying. Simple curves and setting out work. Descriptions for deeds. General land systems of the Dominion and Provinces.

THIRD YEAR.—Construction surveying, including the location of roads, transition curves, setting out work and calculation of quantities. Geodetic, trigonometric and barometric levelling. Topographic and photographic surveying. Hydrographic surveying. Introduction to practical astronomy. Graphical determination of spherical triangles, spherical projections, construction of maps. Mathematical perspective and the perspective of shades and shadows.

In the field the students of the Second and Third Years are re-

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quired to carry out the following:—(1) A chain survey. (2) A chain and compass survey. (3) A pacing survey. (4) A compass and micrometer survey. (5) A contour survey. (6) A plane table survey. (7) A survey and location of a line of road with determination of topography and contours and subsequent staking out for construction. (8) A hydrographic survey of a river channel, including measurement of discharge. (9) A survey at night illustrating underground methods. Astronomical observations with sextant and engineer's transit.

All students are required to keep complete field notes, and from them prepare maps, sections and estimates of the work.

The large drawing rooms are furnished with fixed mountings for the various instruments, in order to permit of their use and investigation during the winter months.

FOURTH YEAR.—Practical Astronomy:—the determination of time, latitude, longitude and azimuth. Geodesy:—figure of the earth; measurements of base lines and triangulation systems; adjustments and reductions of observations.

The field work of the Fourth Year consists in the measurement of a base-line, in triangulations and precision levelling.

The practical work in astronomy (for equipment of observatory see § XII, 6) comprises: (1). Comparisons of clocks and chronometers. (2) Determination of meridian by solar attachment. (3) Meridian, latitude and time by solar and stellar observations with the engineer's transit. (4) Latitude and time by sextant. (5) Time by astronomical transit. (6) Latitude by zenith telescope. (7) Latitude by transit in prime vertical.

Field work is required of all students of the Second and Third Years in the courses of Architecture, Civil and Mining, and of the Fourth Year in the Civil course. The work will begin on the first of September, and continue through the entire month. The surveys will be made in a place some distance from Montreal. Suitable provision for board and lodging will be arranged for at the place selected.

Exercises in the Geoderic laboratory (for equipment see § XII, Art. 6) carried out in the Fourth Year include the following:—(1) Measurement of magnifying power. (2) Determination of vernier errors. (3) Errors of graduation. (4) Measurement of eccentricity of circles. (5) Determination of errors of run of theodolite microscopes. (6) Investigation of the errors of a standard bar. (7) Graduating scales with the dividing engine, and comparison thereof on the comparator. (8) Investigation of the errors of circles on the circular comparator. (9) Determination of the constants of steel tapes. (10) Investigation of the graduation errors of steel tapes on the fifty-foot comparator. (11) Investigation of the errors of aneroid

barometers. (12) Investigation of the errors of level tubes, and determination of their scale values. (13) Measurement of the force of gravity with a reversible pendulum. (14) Measurements of magnetic dip, declination and horizontal force.

The equipment of the surveying department comprises the following, in addition to the apparatus of the Observatory and Geodetic Laboratory:-Eleven transit theodolites by various makers, with solar and mining attachments. A photo-theodolite, 8-in. alt-azimuth, Seven dumpy and three wye levels. Hand levels and clinometers. Two precision levels. Five surveyors' compasses. Three prismatic compasses. Pocket compasses. One solar compass. Three marine sextants. Artificial horizons. Four box sextants. Two reflecting circles. Two large plane tables. Four traverse plane tables. Four Double image micrometer. Rochon micrometer. current meters. Two heliotropes. Several barometers. 300 ft. and Field glasses. 500 ft. steel tapes suitable for base measurements. Steel chains and steel bands. Linen and metallic tapes. Sounding lines. Pickets. Micrometer targets. Slope rods. Pedometers. Levelling rods. Station pointer, pantographs, planimeter, slide rules and minor appliances.

Examinations for Land Surveyors:—Any graduate in the Faculty of Applied Science, in the Department of Civil Engineering and Land Surveying, may have his term of apprenticeship shortened to one year for the profession of Land Surveyor in Quebec or Ontario or for the profession of Dominion Land Surveyor.

Text-books.—Gillespie's Surveying, Johnson's Theory and Practice of Surveying, Shortland's Nautical Surveying, Green's Practical and Spherical Astronomy, Nautical Almanac, Baker's Engineers' Surveying Instruments.

TRANSPORTATION.

On Common Roads, Railways and Canals.

The lectures will embrace:-

(a) A brief historical review of the inception and carrying out of the great Canadian systems of transportation, and a resumé of the laws governing them.

(b) Common roads and streets.—Provision made for them in settling up land; the traffic for which they are suited, and the cost of hauling it over different surfaces; the materials used in their construction, and the merits and cost of the various systems.

(c) Canals and rivers.—The Canadian canal system, the methods and costs of construction and maintenance, the traffic it is designed to carry, and the cost of transportation.

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system, the methods and traffic it is designed to (d) Steam railroads.—The traffic they serve and the cost of handling it, the details of location and the influence of physical features and trade possibilities upon it, the cost and design of construction, the duties of the engineer upon such work, the appliances at present in use for safe and speedy handling of trains.

(e) Electric roads.—The traffic which they now carry, their location and construction, the reasons for their rapid extension, and their

probable future.

The questions of the development and applying of motive power and the various appliances, mechanical and electrical, now in use for these special purposes are taken up in special descriptive lectures in the mechanical and electrical departments.

15. THERMODYNAMICS.

Lecturer:-R. J. Durley, B.Sc., Ma.E., A.M.Inst.C.E.

Demonstrator:—H. M. Jaquays, M.A., M.Sc., A.M.Can.Soc.C.E: The course in this subject extends over the Third and Fourth Years, and includes the following:—

THIRD YEAR-(Monday, 11.)

Fundamental laws and equations of Thermodynamics; their application to gases and to vapours, saturated and superheated. Efficiency of perfect heat engines. Properties of steam, and elementary theory of the steam engine. Elementary theory of gas and hot air engines.

FOURTH YEAR-(Monday, 12; Thursday, 11.)

Theory of reversed heat engines and refrigerating machines. Entropy and Entropy-Temperature diagrams. A thermodynamic study of the steam engine, including the behaviour of steam in the cylinder. Economy of steam engines. Influence of size, speed, and rate of expansion. Compound expansion. The steam jacket. The testing of steam engines. More advanced theory of gas, air, and oil engines.

The advanced course is carried out as far as possible in connection with the experimental work of the Thermodynamic Laboratory.

Text-books.—Ewing's Steam Engine (Cambridge Univ. Press); Peabody's Tables of Properties of Steam (Wiley).

16. SUMMER CLASSES IN ART.

FREEHAND DRAWING.

Elementary Course.—Studies in pencil and charcoal preparatory to outdoor sketching. Plant life. Landscape in pencil.

Advanced Course.—Animals and the human figure from casts. Studies in drapery. Studies from the living model. Figure composition.

MODELLING.

Elementary Course.—Ornament, low relief, and high relief. Casting in plaster of Paris..

Advanced Course.—Animals in relief and in the round. Drapery. The human head and figure from casts in relief and in the round. The human head and figure from life, with sculpture composition.

PAINTING (OILS AND WATER COLOUR).

Elementary Course.—Studies in still life (objects, fruits, plants, etc.). Indoor studies in landscape as preliminary to outdoor work from Nature. Outdoor sketching.

Advanced Course.—The human head and figure from the living model.

Drapery. Figure and colour composition.

The work will extend over the months of May and June, commencing May 1st. Hours of attendance, 10 to 1, and 2 to 5, daily, except Saturdays, 9 to 1.

Students may pursue their studies in one or more subjects continuously every day under constant teaching and criticism.

Excursions for outdoor sketching will be arranged for suitable days during the session.

Drawing, modelling, painting from the living model will be undertaken should a sufficient number of qualified students desire it.

Information as to fees, etc., may be obtained on application.

17. SPECIAL LECTURES.

During session 1899 1900, the following special lectures were delivered under the auspices of the Applied Science Society:—

M. J. Butler, M.Can.Soc.C.E., on "Essential qualifications for a successful career in the engineering profession."

F. W. Draper, B.Sc., on "The lead and zinc field of South Western Missouri."

G. R. Duncan, on "The thermal conductivity of the metals."

S. F. Kirkpatrick, B.Sc., on "Mining in Cape Breton."

G. R. MacLeod, B.Sc., on "Canadian Canals."

Walter B. Snow (Boston), on "Mechanical Ventilation."

F. W. White, B.A.Sc., on "Mechanical Refrigeration."

Also, R. D. Mershon (Westinghouse Company, Philadelphia), gave a lecture to the students of the Electrical Department on "The losses in electric transmission lines at high voltage."

E. Rutherford, B.Sc., a special course of lectures to advanced and graduate students on "electric oscillations."

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XII. LABORATORIES.

In the Laboratories the Student will be instructed in the art of conducting experiments, a sound knowledge of which is daily becoming of increasing importance in professional work.

- I. Assaying Laboratory. See Mining and Metallur-GICAL LABORATORIES.
- 2. ASTRONOMICAL OBSERVATORY. See GEODETIC LABORATORY.
- 3. CEMENT LABORATORY.—The importance of tests of the strength of mortars and cements is very great. The equipment of the Laboratory for the purpose is on a complete plan, including:—

(a) Three one-ton tensile testing machines, representing the best English and American practice.

(b) One 50-ton hydraulic compressive testing machine.

(c) Volumenometers for determining specific gravity and for determining the carbonic acid in the raw material.

(d) Faija steaming apparatus for blowing tests.

(e) Mechanical hand and power mixers.

(f) Apparatus for determining standard consistency.

(g) Vicats' and Gilmore's needles for determining set.

(h) Weighing hopper, spring and other balances.

(i) Gun metal moulds for tension, compression and transverse test pieces, and special moulds for placing mortar into the moulds under a uniform pressure, which, together with the mechanical mixers, enable the personal error to be eliminated

(j) Sieves of 20, 30, 40, 50, 60, 70, 80, 100, 120 and 180 meshes per lineal inch for determining the fineness.

The laboratory is also fitted with copper-lined cisterns, in which the briquettes may be submerged for any required time, and with capacious slated operating tables, bins and tin boxes for keeping the cement dry for any period.

In the Cement Testing Laboratory, researches have been made on the strength of mortars set under pressure, the effect of frost on natural and Portland cements, the effect of sugar on lime and cement mortars, the strength of lime and cement mortars and of the brick in brick piers, the effect of fine grinding on the adhesive strength of cements, of using hot water in mixing mortars. Continued tests on the strength of concrete blocks in series are made by Fourth Year Students.

In addition, to these researches, a large amount of work is done each year by the Third Year students, in investigating the specific gravity, fineness, setting properties, constancy of volume, and the tensile, comprehensive and transverse strengths of cement, both near and with the sand.

4. CHEMICAL LABORATORIES.—The main lecture theatre, extending through two storeys, is entered from the ground floor, and seats nearly 250 students. The lecture-table is supplied with coal-gas, oxygen and hydrogen, electricity, water, vacuum, down-draught, etc., and can be well seen from all parts of the room.

Besides the main lecture theatre there are three smaller class rooms, accommodating from 40 to 60 students each.

The three principal laboratories have each a floor-space of about 2,400 square feet, and together have accommodation for nearly two hundred students working at a time. They are lighted on three sides, and have ample hood space. One is intended for beginners, and the others for more advanced work, particularly in qualitative and quantitative analysis. In connection with each of the main laboratories is a balance room, equipped with balances by several of the best makers

Physical Chemistry is provided for in a special laboratory, nearly 30 by 40 feet, lighted from the north, and supplied with electricity, steam, vacuum pumps, etc. The equipment of this department consists of the apparatus necessary for the determination of the specific gravities of solutions, of the depression of freezing point, and the rise of boiling point, of the densities of gases and vapours. There are constant-temperature baths for accurate measurement of solubilities, Kohlrausch's apparatus for determining the electrical conductivity of solutions, and the apparatus necessary for measuring the electromotive forces generated between metals and their solutions and in voltaic cells generally. There are also calorimeters

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Immediately adjoining the laboratory of Physical Chemistry is the Photographic department, supplied with two dark rooms, arranged on the maze system, and supplied with the necessary appliances for all ordinary photographic work, including an enlarging camera. Apparatus for micro-photo-

graphy will shortly be added to the equipment.

The laboratory for gas analysis has a northern exposure, and is fitted with a large tank to contain water at the temperature of the room, for use in obtaining a constant temperature in the measurement of gases. The tables are arranged for work with mercury, and the laboratory is supplied with the apparatus of Hempel, Dittmar, Orsat, Elliot, and others. It contains also Fleuss, Boltwood, and Töpler pumps for producing high vacua.

The laboratory for electrolytic analysis is supplied with accumulators, thermopile, platinum electrodes, rheostats, ammeters, volt-meters, etc.

Another room is shortly to be equipped with electric furnaces and other appliances for electro-chemical work.

The organic department comprises a laboratory for preparations and research, a combustion room for analysis, a dark room for polariscope and saccharimeter work, and a lecture room. The laboratory is fitted with all the necessary apparatus for organic research-special hoods for work with poisonous gases, regulating ovens for digesting and drying at various temperatures, filter presses for the extraction of raw materials, and various forms of apparatus for distillation in vacuo. The dark room is equipped with polariscopes and saccharimeters for sugar work. And there is a large supply of the necessary organic chemicals, which are supplied free of charge to students engaged in routine or research work in this department.

The laboratory for determinative mineralogy has places for ing current voltmete 28 students, and is supplied with abundant material for practentiometer with sta tical work. It adjoins the lecture-room, in which the lectures current measuremen in advanced mineralogy are delivered. The mineralogical de sistances, capacity, a partment is also provided with suitable machinery, run by lials, etc., etc. Dire electricity, for use in the cutting and polishing of minerals ed either direct fror and rocks.

The Library contains a valuable collection of the most relio to 10 volts., curre cent English, French, and German books, and sets of various hour storage batter journals and transactions, including the Berichte der Deutschine in the Dyna schen Chemischen Gesellschaft, Journal für praktische Che several wave shapes mie, Chemisches Central-blatt, Fresenius' Zeitschrift für Ana cond, and voltages lytische Chemie, Annales de Chemie et de Physique, Journal transformer having of the Chemical Society, Chemical News, Mineralogical Ma for alternating curr gazine, Mineralogische und Petrographisiche Mittheilungen, current voltmeter o etc. The library is open to students under such restrictions by which voltages as are necessary to prevent damage or loss of books.

The rooms for allied purposes have, as far as possible, been (b) The Dynamo grouped together on the same floor, and there is a hydraulic two sections, one lift running from the basement to the attic. The offices and other to alternating principal laboratories and supply rooms are also connected by driving all dynamic a system of telephones. The building is practically fire-proof pulleys has been ;

5. ELECTRICAL LABORATORIES.—The re-equipment of for each machine. these Laboratories has been completed during the past year ries turns and var and they now contain all principal types of commutating, syndact with or again chronous, and induction machinery, together with ample differential effect facilities for investigating their action. The several Labora be varied about tories are the Standardizing Laboratory, the Dynamo Labo perfect control of ratory, the High Tension Testing Room, the Photometer obtained from six Room, and the Laboratory for special investigation.

(a) The Standardizing Laboratory is equipped with four K. W. hour chlo Kelvin Balances for alternating and direct current measure cuits. All dynam ments, best range .025 to 600 amperes; a Kelvin standard electing benches fiftee trostatic multicellular voltmeter, Board of Trade pattern; a machine can be p Western laboratory standard Ammeter, range with shunt in place. Two si 0-1500 amperes; a Western Laboratory standard Voltmeter machines to be e range with multipliers, 0.3000 volts.; special Weston alternational under the floor,

dynamo, the voltage steps as desired.

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stigation.

has places for ing current voltmeters and wattmeters; a special Elliott Poterial for practentiometer with standard cells for electromotive force and ch the lectures current measurement; means for measuring high and low reineralogical de sistances, capacity, and di-electric strength of insulating materhinery, run by ials, etc., etc. Direct current for the Laboratory is furnishng of minerals ed either direct from the service plant, from a special motordynamo, the voltage of which can be continuously varied from of the most read to 10 volts., current capacity 300 amperes; from a 75 K.W. sets of various hour storage battery arranged in sections, or from any maichte der Deutschine in the Dynamo Laboratory. Alternating current of praktische Che several wave shapes and frequencies up to 150 periods per seschrift für Ana cond, and voltages up to 200,000, is available. lysique, Journal transformer having a current capacity of 800 amperes is used neralogical Ma for alternating current ammeter calibration. For alternating Mittheilungen, current voltmeter calibration, a special regulator is provided, such restrictions by which voltages from 0 to 200 can be obtained in as small steps as desired.

as possible, been (b) The Dynamo Laboratory. This Laboratory consists of re is a hydraulic two sections, one devoted to direct current work, and the The offices and other to alternating current work. The former method of lso connected by driving all dynamos from an overhead line shaft and clutch ctically fire-proof pulleys has been abandoned and individual motors supplied re-equipment of for each machine. Each motor is provided with suitable seing the past year ries turns and variable shunt, the whole being connected to commutating, syn act with or against the shunt turns, as a compounding or ther with ample differential effect is desired. The speed of the motors can e several Labora be varied about 50 per cent. by field rheostat. This gives e Dynamo Labo perfect control of dynamo speed. Current for operating is the Photometer Obtained from six independent sources of supply; one 75 K. W. direct connected unit in the service plant; 3 sets of 25 juipped with four K. W. hour chloride accumulators and two city supply circurrent measure cuits. All dynamos and motors are mounted on strong testelvin standard electing benches fifteen inches high, with slotted floor, so that any Trade pattern; a machine can be placed anywhere on the benches and secured range with shunt in place. Two small travelling cranes over the benches allow andard Voltmeter machines to be easily shifted. All wiring is done in conduits ai Weston alternatunder the floor, and large sectional switchboards are provided for current distribution about the laboratories. Special testing tables, permanently wired up and fitted with circuit breakers, switches, etc., facilitate the work. Twenty-five commutating machines, generators, motors, boosters, motorgenerators, dynamotors, converters, closed and open coil arc machines, varying in capacity from a fraction of a kilowatt to 75 kilowatts, of many different types and makes, are provided for direct current testing. Twelve alternating current machines, including generators, synchronous motors, compensators, and synchronous converters, together with a largeamount of stationery and rotary induction apparatus, are provided for alternating current work. Several of the alternating current dynamos are of the inductor type and several different shaped inductors are provided with each machine to give different wave forms. A specially arranged induction motor serves as a frequency changer. The laboratory is also provided with between eighty and ninety voltmeters, ammeters, and wattmeters of standard make and of different ranges; condensers, rheostats, standard resistances, etc.

(c) High Tension Testing Room. This room is equipped with four 10 K.W., 200-50,000 volt. transformers with switch board and suitable controlling devices. The voltage can be varied in small steps by means of a Stillwell regulator inserted in the primary and by varying the field of the dynamo supplying current. A Kelvin direct reading electrostatic voltmeter, range 100-100,000 volts., gives a means of measuring

high voltages directly.

(d) The Photometer Room. This room is equipped with standard photometric apparatus for candle power measurements on arc and incandescent lamps.

- (e) The Laboratory for special investigation adjoins the Standardizing Laboratory. Meter and transformer testing are also done in this room.
- 6. Geodetic Laboratory.—The equipment of this labroatory consists of:-
 - (1) Linear instruments.
 - (a) A Rogers comparator and standard bar for investigating standards of length.

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- (b) A fifty-foot standard and comparator for standardizing steel bands, chains, tapes, rods, etc.
- (c) A Whitworth end-measuring machine and set of standards.
- (d) A Munro-Rogers linear dividing engine.
- (2) Circular instruments.
 - (a) A Rogers' circular comparator and dividing engine.
 - (b) Two level triers.
- (3) Time.
 - (a) An astronomical clock and clock circuit in connection with the observatory clocks.
 - (b) Chronometers running on mean and sidereal time.
 - (c) Chronograph.
- (4) Gravity.—A portable Bessel's reversible pendulum apparatus, with special pendulum clock and telescopic apparatus for observing coincidences of beats.
- (5) A water gauge apparatus for testing aneroid barometers.
- (6) Magnetic instruments:-
 - (a) A Kew dip circle.
 - (b) A Kew filar magnetometer.

The laboratory is constructed with double walls and enclosed air spaces, and has a special heating apparatus, so that the temperature within may be brought to, and held at, any desired degree.

The ordinary course of instruction in this laboratory is described in § XI., Art. 14.

Astronomical Observatory.—The observatory equipment for the purpose of instruction inpractical astronomy consists of:—

- I. A Bamberg prismatic transit with zenith attachment.
- Two astronomical transits for meridian observations. Collimating telescopes.
- 3. A. Troughton & Sims' zenith telescope.
- 4. An astronomical transit in the prime vertical.
- 5. Sidereal and mean time clocks and chronometers.
- Chronograph and electrical circuits by which observations and clock comparisons within or without the observatory may be made.

7. HYDRAULIC LABORATORY.—Here the student will study practically the flow ster through orifices of various forms and sizes, through pipes, mouth-pie etc.

The equipment of this laboratory includes:-

- (a) A large Experimental Tank, 30 ft. in height and 25 sq. ft. in sectional area. With this tank experiments are conducted on the flow of water through orifices either free or submerged. By a simple arrangement the orifices can be rapidly interchanged without lowering the head, and with the loss of only about one pint of water. The indicating and measuring arrangements connected with the tank are exceedingly delicate and accurate, all times being automatically recorded by an electric chronograph, and valuable results have already been obtained. By means of a special connection with the city water-supply, the available head of water may be increased up to 280 ft.
- (b) An Impact Machine, which renders it possible to measure the force with which water flowing through an orifice, nozzle, or pipe, strikes any given surface, and also the impulsive effect of the water entering the buckets of hydraulic motors.
 - (c) A Rife's Hydraulic Ram.
- (d) A Jet Measurer specially designed for investigating the dimensions of the jet produced in the phenomena known as "the inversion of the vein." With this apparatus it is possible to determine, within .001 inch, the dimensions of a jet in any plane and at any point of the path.

(e) Numerous orifices, nozzles, and mouth-pieces.

- (f) A specially designed stand-pipe, with all the necessary connections for pipes of various sizes for investigations on frictional resistance. The pressures are measured by recording gauges, etc.
- (g) A flume about 35 feet in length, by 5 ft. in width by 3 ft. 6 ins. in depth.
 - (h) Weirs up to 5 ft. in width, and with a depth of water

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over the sill varying from nil to 8 inches. A weir-depthing machine, with three adjustable heads, gives the surface depth of the stream at any three points in a transverse section. The velocity of the stream is also determined by means of a double Pitôt tube.

- (i) Numerous hydraulic pressure-gauges.
- (j) A mercury column 60 feet in height.

(k) Gauge-testing apparatus.

(1) Various rotary, and piston meters, and a Venturi meter.

(m) Apparatus for illustrating vortex motion.

- (n) Apparatus for illustrating vortex ring motion, and for determining the critical velocity of water flowing through pipes.
- (0) Five specially built gauging tanks with suitable indicators, each having a capacity of 800 cubic feet. Also other portable tanks.

(b) Transmission and absorption dynamometers.

(q) An experimental centrifugal pump, which can be tested with varying heights of suction and discharge.

(r) An inward-flow turbine, a new American turbine, a Pelton, and other motors and turbines.

- (s) Standard gallon and litre measures with glass strikes. This Laboratory is also provided with a set of pumps, specially designed for experimental work and research. They are adapted to work under all pressures up to 120 lbs. per sq. in., and at all speeds up to the highest found practicable. The set is composed of three vertical single acting plunger pumps of 7 in. diam., 18 in. stroke, driven from one shaft. They have two interchangeable valve chests, and it is arranged that both the valves and their seats may be removed and replaced by others. The pumps are also provided with a double set of continuous recording indicators designed in the laboratory and having electrical connections. With these, an accurate record of the suction and discharge valves may be obtained at any given time, all fluctuations of speed, pressure, etc., being automatically recorded.
 - 8. MATHEMATICS AND DYNAMICS, LABORATORY OF .- The

equipment of this Laboratory includes instruments for the measurement of distance (scales, micrometers, cathetometer), of area (planimeters), of volume (flasks, graduated vessels, etc.), of time (clocks, chronographs), of mass (beam and spring balances); it is also provided with a mechanical integrator, specific gravity balances, Atwood and Morin machines for experiments on the Laws of Motion, inclined planes, a variety of rotation apparatus (gyroscope, Maxwell's dynamical top, torsion balance, pendulums, etc.), air-pumps, thermometers, barometers, etc.

The Mathematical Laboratory is used chiefly in connection with the course in Dynamics. Lectures are given on the fundamental and derived units of the Science, as well as on the Laws of Motion, and deduction from the same. When the students have in this way been made acquainted with some of the ideas of the subject, they are admitted to the laboratory, where experiments of a progressive charac-These experiments are in all cases quanter are assigned to them. titative, and embrace the measurement of mass by means of accurate physical balances, of intervals of time by clock and chronograph, and of distance by means of scales, screw micrometers, etc. They then proceed to the measurement of areas, volumes, velocities, accelerations, forces, specific gravities, friction, and also to pendulum experiments, etc. The equipment of the laboratory for this work is very complete, embracing as it does the ordinary instruments for the purpose to be found in most physical laboratories, together with a variety of apparatus specially constructed for this laboratory. Particular attention is given in the lectures to the principles of observing in general, the sources of error, etc.; the whole course having reference to the subsequent work of the student in the Physical and Engineering Laboratories.

9. MECHANICAL LABORATORY.—In this Laboratory experiments are carried out on the efficiency of belts and shafting, and on the action and efficiency of cutting tools. A complete set of apparatus is provided and fitted up for the testing of lubricants, and a hydraulic and a belt transmission dynamometer are available for measuring the efficiency of machines. A belt testing machine is at present under construction in the College workshops.

Much valuable apparatus has been added to this laboratory since

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the opening of the Buildings, all of which has been made in the mechanical workshops, and mainly by students. The Thurston oil tester and the Bunte's viscosimeter, which formed the original equipment, have been supplemented by a hydraulic dynamometer for testing the efficiency of machines, a rotary transmission dynamometer on a new principle, with recording attachment, a pneumatic gauge for measuring delicate pressures down to the 3,000th of a lb. per square inch, two other draft gauges, a belt transmission dynamometer, a belt-testing, and other apparatus.

With these instruments, and with the machines and other appliances in the workshops, experiments are carried on during the winter session, and students sometimes carry out researches during the summer months.

Many visits have also been paid to engineering works and manufactories of importance.

10. MINING AND METALLURGICAL LARORATORIES.—The Macdonald Chemistry and Mining Building was completed in 1898, and the Mining and Metallurgical Laboratories, situated in the lower part of the structure, are now fully equipped.

These laboratories, with the lecture rooms, the professor's offices, and rooms for apparatus, supplies and fuel, are very conveniently arranged individually and with regard to one another, and occupy the lower part of the main building and the whole of both wings. The total floor space covered is approximately 17,000 square feet, divided as follows:—

Mining and Ore-Dressing Laboratory, or Milling Room, 4,000 square feet; Metallurgical Laboratory, or Furnace Room, 3,500 square feet; Assay Laboratory, 2,500 square feet; Wet Assaying Rooms, 500 square feet; Technical Lecture Rooom, 750 square feet; Library and Drawing Room, 750 square feet; Special laboratories, Offices, Stores, and so forth, 5,000 square feet.

The two rooms first mentioned are of great size, and are the chief laboratories of the department. In these it is possible to take any ores of gold, silver, copper, or lead in the condition in which they come from the mines, and to treat them from beginning to end, procisely as they are treated in the ore-dressing works and smelting plants of the mineral regions. They may therefore be considered as constituting a small working plant for the actual production of metals. They differ from commercial plants, however, in that an ordinary ore-dressing establishment is designed to treat the ores of only one

district, and sometimes of only one part of a district. The University Laboratories must of course be adapted to all ores now found or likely to be found in the Dominion, and therefore contain a greater number of pieces of apparatus than are to be found in any one commercial establishment, although probably no case will come up when all of these machines will be used for any one test.

The Milling-Room is equipped with a complete working plant, capable of treating, if necessary, 10 to 20 tons of ore per day, the chief pieces of apparatus being:—Rock Crushers of three kinds, Blake, Dodge and Comet, to break the large pieces of ore to small size; Stamp mills of 60 to 950 lbs., respectively, for the fine crushing and amalgamating of gold ores; Huntingdon mill, for crushing and amalgamating; rolls, both coarse and fine, to reduce ores to powder when necessary; trommels and sieves for sizing the crushed ores; adjustable Hartz, Collom and slide jigs, with 2 and 4 compartments, for concentrating minerals by gravity; revolving, bumping, and belt tables; Frue vanner, Wilfley table, etc., for separating valuable minerals contained in fine sands and crushed rock; plates, pans, and barrels for amalgamating gold and silver ores; spitzkasten, spitzlûtten, magnetic separators, coal washers, dolly tubs, and various other special pieces of ore-dressing apparatus.

The machinery above mentioned is not in miniature; it is of full size, such as the graduates will afterwards find in use in working establishments. It is, however, so arranged that each piece can be worked by itself, and taken apart and cleaned up; and such of the larger pieces as cannot be used for small quantities of material are duplicated in miniature by working models for handling small lots of material. An hydraulic lift and a complete series of belt and bucket elevators, samples, etc., are provided for use in heavy, continuous work. The laboratory, while thus adapted to illustrate work on a comparatively large scale, is even more perfectly designed for experimental work on as small a scale as is compatible with accuracy of result. The motive power used is electricity, generated in the University power and light station, and utilized through a number of electric motors conveniently placed near the machines to be operated. The department is equipped with the most approved apparatus for electrical measurements, and is thus able to make constant and accurate determinations of the amount of power used by each machine, and for any especial condition of use.

THE METALLURGICAL LABORATORY is fitted with a water-jacket blast-furnace, 24 ins. inside diameter, with the necessary blast apparatus for smelting lead and copper; also with a hand reverberatory furnace, a Bruckner roasting furnace, an English cupellation-furnace, and several crucible furnaces.

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with a water-jacket ecessary blast apparaa hand reverberatory sh cupellation-furnace, It has also a lead-lined chlorination barrel for high pressures, with filter press, air pump, etc., and several small vats, barrels, etc., for the chlorination and leaching of silver and other ores, also both large and small cyanide extraction plants for gold ores.

In addition to the above, the laboratory has a specially designed low voltage motor dynamo for electro-metallurgical work, with the necessary accompaniment of tanks, vats and a good storage battery. It also has an electric furnace of considerable power and of wide range of adaptability.

The two main laboratories are very large and well lighted, and are each 20 ft. high in the clear. Close to them are the rooms for storage of ores, fuel, etc., etc., from which clear level passages lead to the elevators and connect with the crushers and furnaces. There are also several overhead hoists and travellers, and a large number of truck wagons and portable tanks for carrying wet, dry, or molten material from place to place. Material can, therefore, be moved from one point to another with the greatest ease, and pieces of apparatus can be readily taken apart, and, if necessary, moved by the same means.

It is not the purpose of the University to use these laboratories for commercial work, although they are quite large enough for such service. They are to be used solely for educational work and for investigation; and, owing to their thoroughly practical nature, instruction given is of immensely greater value to the students than could be the case if the work were done only in miniature. At the same time, the investigations made by means of such are of greater use to the mining and metallurgical community, as they are carried out in all respects under working conditions, and are therefore free from the disturbing causes likely to interfere with attempts to reproduce commercial processes on a small scale.

THE ASSAYING LABORATORY is equipped with a large soft coal assay furnace, and with a complete set of small muffle and crucible furnaces, some of each being arranged for gas and gasoline, and others for coke and charcoal. Connected with this are smaller rooms, one provided with pulp, bullion and assay balances, and others for parting and the other chemical work involved in the main operations.

In other rooms of the department there has recently been installed some very excellent apparatus for metallurgical research, including some admirable electric pyrometers of both the Le Chatellier and Callendar type; a powerful hydraulic press for subjecting metal to extreme stress for long periods of time; and a very complete microscope and photo-microscope equipment. There is also a calorimeter-room with Mahler and other instruments, and a well-fitted analytic laboratory.

The courses of instruction in these laboratories are described in §XI, 13.

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Laboratory, containing the chief rock collections of the University, is situated in the Chemistry and Mining building. It is arranged for the use of Students in the Mining Course as well as for those desiring to take advanced work, and is provided with a number of petrographical microscopes by Seibert, Crouch, and Fuess, as well as with models, sets of thin sections, electro-magnets, heavy solutions, etc., for petrographical work.

A collection of typical rocks has been especially prepared for the use of students, and a complete equipment for cutting, grinding, and polishing rocks, has been installed, which runs by electric-power and gives excellent facilities for the preparation of thin sections for microscopic use.

For advanced work and petrographical investigation Dr. Adams' extensive private collection of rocks and thin sections is available for purposes of study and comparison.

12. Physical Laboratory.—The equipment of the Macdonald Laboratories comprises: (1) apparatus for illustrating lectures; (2) simple forms of the principal instruments for use by the students in practical work; (3) the most recent types of all the important instruments for exact measurement, to be used in connection with special work and research.

The basement contains the cellars, furnaces, and janitor's department at the west end of the building. The machine room—containing a small gas engine and dynamo, which are fitted for testing, but can also be used for light and power, a motor-alternator and a motor-dynamo—is situated at the extreme western corner of the basement so as to be as far removed as possible from the delicate magnetic and electrical instruments. Here is also the switch-board for controlling the various circuits for supplying direct or alternating current to different parts of the building. The Accumulator Room contains a few large storage cells, charged by the motor-dynamo, which are fitted with a suitable series-parallel arrangement, and with rheostats for obtaining and controlling large currents up to 4,000 amperes for testing ammeters and low resistances, etc.

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The Accumulator Room coned by the motor-dynamo, which lel arrangement, and with rheorge currents up to 4,000 amperes nces, etc. The Magnetic Laboratory contains magnetic instruments and variometers of different patterns, and also a duplicate of the B. A. Electro-dynamometer, which has been completely remodelled and set up with great care for absolute measurement of current. The Laboratory, on the opposite side of the basement, contains a very fine Lorenz apparatus for the absolute measurement of resistance, constructed under the supervision of Prof. Viriamu Jones. It also contains a set of Ewing Seismographs and a pair of Darwin Recording Mirrors for measuring small movements of the soil.

There is a constant Temperature Room, surrounded by double walls, which contains a Standard Rieffler Clock, and is fitted for comparator work.

The Ground Floor contains at the western corner a small machine shop, fitted with a milling machine and suitable lathes and tools driven by electric motors, and such appliances as are required for the making and repairing of the instruments, for which the services of a mechanical assistant are retained. There is also a store room for glass, chemicals, and cleaning materials, and extensive lockers and lavatories for the use of the students.

The Main Electrical Laboratory is a room 60 feet by 40, and is fitted with a number of brick piers, which come up through the floor, and rest on independent foundations, in addition to the usual slate shelves round the walls. This room contains a large number of electrometers, galvanometers, potentiometers and other testing instruments of various patterns, and adapted for different uses. It connects with a smaller room at the side, in which are kept the resistance boxes and standards, and also the capacity standards. A small research laboratory adjoining the electrical laboratory, is fitted up for the study of electrical discharge in high vacua, and for work with Röntgen and uranium radiation, and with ultra-violet light.

The First Floor contains the Main Lecture Theatre, with seats for about 250 students. The lecture table is supported on separate piers, which are independent of the floor. Complete arrangements are provided for optical projection and illustration. The Preparation Room in the rear contains many of the larger pieces of lecture apparatus, but the majority of the instruments, when not in use, are kept in suitable cases in the adjoining apparatus room. On the same floor there is the Heat Laboratory, devoted to advanced work in Thermometry, Pyrometry and Calorimetry, and also to such electrical work as involves the use of thermostats and the measurement of the effects of temperature. There are also two smaller rooms for Professors and Demonstrators.

The Second Floor is partly occupied by the upper half of the Lecture Theatre. There is also an Examination Room for paper work,

a Mathematical Lecture Room, with a special apparatus room devoted to apparatus for illustrating Mathematical Physics, and a special Physical Library chiefly devoted to reference books and periodicals relating to Physics. A store room, lavatories, and Professors' room occupy the remainder of the flat.

The Third Floor contains the Elementary Laboratory, a room 60 feet square, devoted to elementary practical work in Heat, Sound, and Electricity and Magnetism. There is a Demonstrator's Room adjoining, and an optical annex devoted to experiments with lenses, galvanometers and polarimeters. Also a series of smaller optical rooms, including a photometric room, specially fitted for Arc photometry, and a dark room for photographic work. Communication between the different flats is facilitated by means of a hydraulic elevator. The building is lighted throughout by electricity, and heated by hot water. The walls are of pressed brick, and the floors of hard maple. There is a ventilating system, consisting of Tobin tubes and suitable exit flues, assisted by a fan in the roof.

13. TESTING LABORATORIES.—The principal experiments carried out in these will relate to the elasticity and strength of materials, friction, the theory of structures, the accuracy of springs, gauges, dynamometers, etc. The equipment of this laboratory includes:—

(a) A Wicksteed 100-ton and an Emery 75-ton machine for testing the tensile, compressive and transverse strength of the several materials of construction. To the former has been added a specially designed arrangement, by which the transverse strength of girders and beams up to 26 ft. in length can be determined. These machines are provided with the holders required for the various kinds of tests, and new holders have also been specially designed and made in the laboratory for investigating the tensile and shearing strength of timber for wire rope and belt tests, etc. Numerous attachments have also been made to the machines, which have already increased their efficiency. The most recent addition is a double-bearing support for transverse testing.

(b) An Impact Machine, with a drop of 30 ft., and with gearing which will enable speciments to be rotated at any required speed, and the blows to be repeated at any required intervals. By means of a revolving drum, a continuous and

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accurate record of the deflections of the specimens under the blows can be obtained.

(c) An Unwin Torsion Machine with a specially designed angle-measurer, by which the amount of the torsion can be measured with extreme accuracy.

(d) An Accumulator, furnishing a pressure of 3,600 lbs. per square inch, which is transmitted to the several testing machines, and ensures a perfectly steady application of stress, an impossibility when any form of pump is substituted for an Accumulator.

(e) A Blake and a Worthington Steam Pump, designed to work against a pressure of 3,600 lbs. per square inch. The Accumulator may be actuated by either of the pumps, and, if at any time it is desirable to do so, either of the pumps may be employed to actuate the testing machine direct. When in operation the work of the pump and the accumulator is automatic.

(f) Extensometers of the Ewing, Unwin, Martens, Marshall and other types. The extensometer equipment has recently been enriched by seven sets of improved extensometer apparatus designed and made in the laboratory.

(g) Portable cathetometers, and also a large cathetometer specially designed and constructed for the determination of the extensions, compressions and deflections of the specimens under stress in the testing machines.

(h) An automatic electric motor pump for actuating the Accumulator; also various electric motors for working the several machines.

(i) A drying oven for beams up to 26 ft. in length. The hot air in this oven is kept in circulation by means of a fan driven by an electric motor.

(j) Numerous gauges, amongst which may be specially noticed an Emery Pressure Gauge, graduated in single lbs. up to 2,500 lbs. per square inch. All of the testing machines are on the same pressure circuit, and are connected with the Emery gauge and also other standard gauges, including recording gauges. This arrangement provides a prac-

tically perfect means of checking the accuracy of the testing.

(k) Special apparatus and recording gauge for the testing of hose, etc.

(l) Dynamometers for measuring the strength of textile fabrics, the holding power of nails, etc.

(m) Apparatus for determining the elasticity of long wires.

(n) Apparatus for determining the hardness of materials of construction.

(o) Zeiss and other Microscopes.

(p) Delicate chemical and other Balances. A very important part of the equipment is the Oertling Balance, capable of indicating with extreme accuracy weights of from .00001 lb. up to 125 lbs.

(q) Micrometers of all kinds.

14. THERMODYNAMIC LABORATORY.—The Thermodynamic Laboratory is furnished with an experimental steam engine of 120 I. H. P., specially designed for investigating the behaviors of steam under various conditions; the cylinders are 6 1-2 inches, 9 inches, 13 inches, and 18 inches in diameter, and the stroke of all the pistons is 15 inches. The cylinders can be so connected as to allow of working as a single, compound, triple, or quadruple expansion engine, either condensing or non-condensing, and with any desired rate of expansion. The jackets are so fitted as to permit of measuring independently the water condensed in the cover, barrel, or bottom jacket of each cylinder, and the engine can be worked with any desired initial pressure up to 200 lbs. per square inch. The measurements of heat are made by means of large tanks, which receive the cooling water and the condensed steam. There is an independent surface condenser and air pump. Two hydraulic absorption brakes and an alternating friction brake serve to measure the mechanical power deve-

The Laboratory also contains the following machinery:— A Robb automatic cut-off engine, having a cylinder 10 1-2 inches in diameter by 12 inches stroke. This Engine is specially fitted up for the measurement of cylinder temperatures, and can be run at speeds up to 300 revolutions per minute.

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The Thermodynamic nental steam engine nvestigating the beas; the cylinders are inches in diameter, ches. The cylinders ing as a single, comgine, either condensesired rate of expanrmit of measuring incover, barrel, or botagine can be worked 200 lbs. per square ade by means of large r and the condensed ce condenser and air es and an alternating echanical power deve-

ollowing machinery:—

rving a cylinder 10 1-2

This Engine is specylinder temperatures, evolutions per minute.

An automatic high speed engine by Macintosh & Seymour, having a cylinder 12 inches diameter by 12 1-2 inches stroke.

A hot-air engine built by Woodbury Merrill, of Ticonderoga.

An Atkinson "Cycle" Gas engine, having a cylinder 7 inches diameter by 8 inches, and indicating 7 H. P.

A "Dake" steam engine of 4 H. P.

A two stage air compressor taking 40 H. P., and having cylinders 10 inches and 17 inches in diameter, by 17 inches stroke. This compressor delivers its air into reservoirs placed beneath the floor of the machine shop, and an intercooler for use with it is now under construction.

The smaller apparatus belonging to the laboratory includes the necessary equipment of calorimeters, thermometers, gauges, pyrometers, fuel testers, indicators, planimeters, and a Moscrop recorder.

The boiler installation of the Engineering Building supplies steam for heating and power purposes, and is so arranged as to be available for experimental work in connection with the Thermodynamic Laboratory. It comprises boilers of five distinct types as follows:—

One Cornish boiler, for heating service, rated at 50 H. P. One locomotive boiler, Belpaire type, 100 H. P.

One internally fired tubular boiler, 120 H. P.

Two Babcock-Wilcox water-tube boilers, each 60 H. P. One Yarrow water-tube boiler, fitted in a closed stokehold, for working under forced draft, rated at 150 H. P.

These boilers are provided with the necessary tanks, weighing-machines and apparatus for carrying out evaporative tests.

During the session 1899-1900, the following experimental work has been carried out in connection with the Thermodynamic Laboratory:—

A series of trials of the Atkinson "Cycle" gas engine.

A series of progressive trials of the large experimental engine, working cylinders Nos. 2 and 4 as a compound engine at various speeds, both jacketed and non-jacketed. Special

thermometric measurements of the cylinder-wall and covertemperatures were made, the rate of expansion being kept constant throughout the series.

A series of progressive evaporative trials of the Yarrow boiler.

Preliminary tests of the air-compressor recently completed. Economy trials of the 75 killo-watt Robb engine and generator in the power station.

XIII. MUSEUMS.

THE PETER REDPATH MUSEUM.—The Peter Redpath Museum contains large and valuable collections in Botany, Zoology, Mineralogy and Geology, arranged in such a manner as to facilitate the work in these departments. Students have access to this Museum, in connection with their attendance on the classes in Arts in the subjects above named, and also by tickets which can be obtained on application.

Engineering Museum.—This Museum occupies the third storey of the Engineering Building, and amongst other apparatus, contains the Reuleaux collection of kinematic models, presented by Sir William Macdonald, and pronounced by Professor Reuleaux to be the finest and most complete collection in America.

ARCHITECTURAL EQUIPMENT.—The Architectural Department has been endowed by Sir Wm. Macdonald, the founder, with a very thorough equipment for practical purposes of instruction; this is at present in course of provision and completion. In the Museum of the Engineering Building is included a large collection of casts both of architectural detail and ornament (illustrative of the historical development of the various styles) and of architectural and figure sculpture. The freehand-drawing classes for architectural students, as also the classes of architectural drawing and design, are conducted in this portion of the building.

A special architectural department has been added to the University Library; text-books and other works have been

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rchitectural Departdonald, the founder, ctical purposes of inrovision and complering Building is inof architectural destorical development and figure sculpture. tectural students, as and design, are con-

s been added to the er works have been added to the Faculty Library. A collection of photographs is placed in the architectural room for the use of students in the class of design, in addition to a select reference library of illustrated works. Diagrams and lantern slides are used in illustration of the historical courses; models and specimens of materials and fittings in those on Building Construction, Sanitation, etc.

XIV. WORKSHOPS.

The workshops, erected on the Thomas Workman Endowment, have a floor area of more than 25,000 sq. ft.

The practical instruction in the workshops is designed to give the Student some knowledge of the nature of the materials of construction, to familiarize him with the more important hand and machine tools, and to give him some manual skill in the use of the same. For this purpose, the Student, during a specified number of hours per week, will work in the shops under the superintendence of the Professor of Mechanical Engineering, aided by skilled mechanics. The courses commence with graded exercises, and gradually lead up to the making of joints, members of structures, frames, etc., finally concluding in the iron-working department with the manufacture of tools, parts of machines, and, if possible, with the building of complete machines.

The equipment includes the following:

IN THE CARPENTER, WOOD-TURNING AND PATTERN-MAKING DEPARTMENTS.—Carpenters' and pattern-makers' benches, wood-lathes, a large pattern-maker's lathe, circular-saw benches, jig and band saws, buzz-planer, wood-borer, universal wood-worker, etc.

IN THE MACHINE SHOP.—The most improved engine lathes, a 36-in. modern upright drill, with compound table, universal milling machine, with vertical milling attachment, hand lathes, planer universal grinding machine, universal cutter and reamer grinder, buffing machine, I 16 in. patent shaper, vise-benches, etc.

IN THE SMITH SHOP.—Forges, hand drill, and a power

IN THE FOUNDRY.—A cupola for melting iron, core oven, brass furnace, moulders' benches, etc.

The lathes and machine tools in the shops are driven by an electric motor; power is supplied for the foundry and smith-shop by a 10 H.P. high speed engine.

During the past session the following special work has been carried out in the workshops:—

A set of jacket-drain tanks, valves, and fittings, for cylinders Nos. 2 and 4 of the large experimental engine, have been constructed and fitted in place.

An oil-separating feed filter of special design, for dealing with the condensed steam returned from the heating service in the Engineering Building, has been completed and placed in position.

The air-compressor has been finished and erected, and two of the air-reservoirs have been placed in position and connected. A new duplex feed-pump for the boiler-room has been begun and is approaching completion.

A belt-testing machine of special design, capable of taking a 6 inch belt transmitting 20 H.P., is being constructed.

§ XV. STATEMENT OF RESEARCH WORK IN THE LABORATORIES—1899-1900.

Experiments on the rate of condensation of steam, with a new form of apparatus for measuring the same.

On the "missing quantity" shown in the trials of a compound engine.

Progressive evaporative tests of a Yarrow boiler at various rates of evaporation.

Experiments on the properties of lubricants.

Experiments on the loss of power in belt-driving.

The concentration of molybdenite from occurences in quartz and other rocks.

The cyanide process as applied to certain low grade British Columbian ores.

Comparisons of the cyanide and chlorination processes on auriferous concentrates containing arsenopyrite.

Pyrometric work in connection with smelting in water-jacketed furnaces.

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§ XVI. DONATIONS DURING SESSION 1899-1900.

Measuring instruments to the amount of \$1,000, from a friend in New York.

5 K.W. D.C. dynamo, reactive coil, two transformers, from the Royal Electric Co.

Complete model of underground conduit system, from the American Vitrified Conduit Co., through Mr. Frank L. Packard, B.A.Sc., '97.

Drawings, photographs, etc., from the Wagner Electric Manufacturing Co.; the General Electric Co.; the Canadian General Electric Co.; the Royal Electric Co.; the Westinghouse Electric and Manufacturing Co.

Set of Tools and Drill Holders from Armstrong Bros. Engineering Company, Chicago.

Complete set of blue prints of "Mogul" locomotive from F. W. Morse, Supt. Motive Power, G.T.R.

Complete set of blue prints of various bridges from a firm of engineers in Kansas City, Mo.

Blue prints from U.S. Government.

Blue prints of locomotives from the Chicago, Burlington & Quincy Railroad Company.

Blue prints and drawings of high speed engines from the Straight-line Engine Company, Syracuse, N.Y.

One Rock Drill from the Canadian Rand Drill Company.

Set of miners' tools; 2 safety lamps; trattice cloth; maps, drawings, and photographs, from the Dominion Coal Company.

One coal section across Baltimore coal bed, and a very large collection of drawings, blue prints, and photographs, from the Lehigh Valley Coal Company.

Collection of maps, blue prints, and photographs, from the Susquehanna Coal Company.

Collection of copper, lead, gold and silver refinery products, from the Guggenheim Smelting & Refining Company.

Specimens of special armour plate nickel steel, rolled to bar for tests, from Carnegie Steel Company.

Specimens of self-hardening steel for test, and a set of hardened and ground plungers for press, from Midvale Steel Company.

Specimens of aluminum and aluminum alloys for museum and for tests, from Pittsburg Reduction Company.

Samples of gun material and Krupp steel for experiment, from Bethlehem Iron Company.

Series of fusible metals, Babbit, etc., from Aurora Metal Company. Series of Babbit and other alloys, from Hoyt Metal Company.

Samples of smelting lead-silver ores and desilverizing and refining products, from South Chicago Works, National Lead Company. 12 tons of ore and 2 tons of slag, from Eustis Mining Company. 5 tons of ore, from Dolevah Mining Company, Cornwall, England. Photographs and lantern slides, from Sir William Roberts-Austen, K.C.B.; Professor William Thomas; Mr. H. W. Hughes; Dr.

James Douglas, and others.

Blue prints of pumps, from Messrs. Allis & Co., Milwaukee.

FACULTY OF APPLIED SCIENCE—TIME TABLE—FIRST AND SECOND YEARS.

EAR	KARS HOURS.	Monday.	TUESDAY.	Wednesday.	THURSDAY.	FRIDAY.	SATU
	6	Mathematics.	Mathematics.	Mathematics,	Mathematics.	Mathematics.	Shopwo
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FACULTY OF APPLIED SCIENCE—TIME TABLE—FIRST AND SECOND YEARS.

Milwaukee.

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LOURS.	6	10	ı	12	2 to 5	6	10	п	12	2 to 5
MONDAY.	Mathematics.	Mathematics,			A. { Math. Lab. (a) { Desc. Geom. (b) } B. Shopwork. (S. & F.)	Experimental Physics, 1, 2, 3, 4, 5, 6.	Math., 1, 2, 3, 4, 5, 6.	Chemical Lab., 3, 4, 5; 5. Freehand Drawing, 1. Geom. Drawing, 2.	Chemical Lab., 3, 4, 5, 6. Drawing, 2. Freehand Drawing, r.	Physical Lab., r, 2, 3, 5, 6. Mechl. Drawing, 4.
TUESDAY.	Mathematics.	Mathematics.	English.	Physics.	A. Physical Lab. B. Math. Lab. (a) Desc. Geom. (b)	Mathematics, 1, 2, 3, 4, 5, 6.	Chemistry, 6. Surveying, 2, 5.	Caemistry, 1, 2, 3, 4, 5, 6.	History of Archt, 1,2.	Desc. Geometry,
Wednesday.	Mathematics,	Mathematics.	Lettering.	Lettering.	Desc. Geometry.	Mathematics, 1, 2, 3, 4, 5, 6.	Mathematics, I, 2, 3, 4, 5, 6.	Chemistry, 6. Kinematics, 3, 4. Surveying, 2, 5. Elem. of Archt, 1,	Chemistry, 1, 2, 3, 4, 5, 6.	Chemical Lab., 6. Mapping, 2, 5. Shopwork, (S. & F).,
THURSDAY.	Mathematics.	Mathematics,	English,	Physics.	A. Shopwork, (S. & F.) B. Physical Lab.	Mathematics, 1, 2.3, 4, 5, 6.	Experimental Physics, 1, 2, 3, 4, 5, 6.	Chemical Lab., 6. History of Archt., 1, 2. Kinematics, 3, 4.	Building Const., 1, 2. Kinematics, 3, 4.	Archt, Drawing, 1. Chemical Lab, 6. Mapping 2,
FRIDAY.	Mathematics.	Mathematics,	Geom. Drawing. (a). Lettering. (b).	Geom. Drawing (a.) Lettering (b)	Freehand Drawing.	Freehand Drawing, 1. Mechanism, 2, 5	Freehand Drawing, 1. Surveying, 2, 5.	Mathematics. 1, 2, 3, 4, 5, 6.	Chemistry, r, 2, 3, 4, 5, 6.	Chemical Lab., 1, 2, 5, 6. Physical Laboratory, 3, 4.
SATURDAY.	Shopwork (C)	Do	Do	Do		Archt. Drawing, 1. Shopwork, 3, 4, (S. & F). 2, 5. (M).	Do	Do	Do	

(A) One-half of class. (B) Other half of class. (a) First Term. (b) Second Term. (c) After Nov. 1st. 1. Architectural Students. 2. Civil Engineering Students. 3. Mining Engineering Students. 6. Practical Chemistry Students. Shopwork:—S. Smithy; oundry; C. Carpenter Shop; M. Machine Shop.

The Chemical Laboratories are open to Second, Third and Fourth Year classes daily (Saturday excepted) from 9 a.m. to 5 p.m.

FACULTY OF APPLIED SCIENCE-TIME TABLE-THIRD YEAR.

	MONDAY.	TUESDAY.	WEDESDAY.	THURSDAY.	FRIDAW.	SATURDAY.
Experime 1, 2,	Experimental Physics, 1, 2, 3, 4, 5, 6.	Art History, 1. D.C. Dyn Machy,, 3. Mineralogy, 5, 6. Roads and Canals, 2.	Dyn. of Mach., 3, 4. Freehand Drawing, 1. Geology, 2, 5, 6.	D.C. Dynamo Machy, 3, Desc. Geom., 2. History of Arch't, 1. Mineralogy, 5, 6.	Freehand Drawing, 1. Machine Design, (6) 4. Mathematics, 2, 3, 4, 5, and 1.**	Archt, Designing (a) 1. Dynamo Lab. (a) 4. Geological Excursion, (c) 2,5. Mining (d) 5. Testing Lab. (b) 1, 2, 3, 4, 5.
Dyn. of Freehand Geolog	Dyn. of Mach., 3, 4. Freehand Drawing, 1. Geology, 2, 5, 6.	Elem. Metallnrgy, (a) 4. Surveying, 1*, 2, 5.	Freehand Drawing, I. Shopwork, (P. & M.) (a), 3, 4. Surveying, 2, 5. Thermo, Lab., (b), 3, 4.	Experimental Physics.	Freehand Drawing, 1. Geology, 2, 5, 6. Shopwork (P. & M.) (b) 3, 4. Surveying, 1.*	Do
Chem Freehand Thermo	Chemistry, 6. Freehand Drawing, 1. Thermodynamics, 2, 3, 4, 5.	Theory of Structures, 1, 2, 3, 4, 5. Chemistry, (a) 6.	Metallurgy, (a), 5, 6. Shopwork, (P. & M)., (a): 3, 4. Surveying, 1*. Thermo. Lab., (b), 3, 4. Ore Dressing (b), 5, 6.	Chemistry, 6. Machine Design, 3, 4, 5. Roads and Canals, 2.	Freehand Drawing (b) r. Graphical Statics (a) 1, 2, 3, 4, 5. Shopwork (P. & M.), b) 3, 4. Thermo. Lab. (b) 2, 5.	Museum Work in Geology (d) 2, 5.
Math., 2, Water Co	Math., 2, 3, 4, 5 & 1, ** Water Colouring, (b, 1.	Theory of Structures, 1, 2, 3, 4, 5,	Hist. of Archt., 1. Metallurgy, (b), 5, 6. Municipal Eng., 2. Ore-dressing, (a), 5, 6. Shopwork, (P. & M)., (a) Thermo. Lab., (b), 3, 4.	Theory of Structures, 1, 2, 3, 4, 5.	Graphical Statics (a) 1, 2, 3, 4, 5. Hygiene (b) 1. Shopwork (P. & M.), (b) Thermo. Lab. (b) 2, 5.	Do
Archt. I Mechl, D Physica	Archt. Designing, 1. Mechl. Drawing, 3, 4, 5. Physical Lab., 2, 6.	Archt. Designing, 1. Chemical Lab., 6. Dynamo Lab., 3. Fire Assay Lab., (Jan). 5. Mapping, 2, 5.	Chem. Lab., (2) 5, 6. Designing, (e), 1. Mapping, 1, 2. Physical Lab., 3, 4. Fire Assaying, (b), 5, 6.	Det. Mineralogy, 5, 6. Dynamo Lab., 3. Desc. Geom. (a) 1, 2. Mechl. Drawing, 4. Modelling (b), 1. Railway Struct. (b) 2.	Archt, Designing 1. Chemical Lab. (b) 5, 6. Graphic Statics, 2. Physical Lab. (a) 3, 5. Shopwork, (M) 4.	

(a) First Term. (b) Second Term. (c) First half of first Term. (d) Second half of first Term. (e) Second half of Second Term. T. Architectural Students. 2. Civil Engineering Students. 4. Mechanical Engineering Students. 5. Mining Engineering Students. 6. Practical Chemistry Students. **
**grd Year Architects with and Civils. **Optional Course. (Shopwork; M. Machine Shop; P. Pattern Shop.

The Chemical Laboratories are open to Second, Third and Fourth Year Classes daily (Saturday excepted) from 9 a.m. to 5 p.m.

FACULTY OF APPLIED SCIENCE-TIME TABLE-FOURTH YEAR.

I HUKSDAY. FRIDAY.	VEDNESDAY. THURSD	TUESDAY. W
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Archt. Designing, 1.

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Chemical Lab., 6.

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Chem. Lab., (3) 5, 6.

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Rapping, 1.

Physical Lab., 2, 6.

Mapping, 2, 5.

Fire Assaying, (6), 5, 6.

Dynamo Lab., 3.
Desc. Geom. (a) 1, 2.
Mechl. Drawing, 4.
Modelling (b), 1.
Railway Struct. (b) 2.

Chemical Lab. (b) 5, 6.
Graphic Statics, 2.
Physical Lab. (a) 3, 5.
Shopwork, (M) 4.

(a) First Term. (b) Second Term. (c) First half of first Term. (d) Second half of first Term. (e) Second half of Second Term. 1. Architectural Students. 2. Civil Engineering Students. 3. Electrical Engineering Students. 4. Mechanical Engineering Students. 5. Mining Engineering Students. 6. Practical Chemistry Students. **Optional Course. (Shopwork; M. Machine Shop; P. Pattern Shop. **Architects with 2nd Civils. **Optional Course. (Shopwork; M. Machine Shop; P. Pattern Shop. The Chemical Laboratorics are open to Second, Third and Fourth Year Classes daily (Saturday excepted) from 9 a.m., to 5 p.m.

FACULTY OF APPLIED SCIENCE-TIME TABLE-FOURTH YEAR.

Art History, 1. Geology (a) 1. Electro-Metall. (b) 5, 6. Application of Mach.
Mining, 5. Railway Eng., 2. Special Lecture, (b) 1. Special Lecture, (b) 1. PhysChem. Lab., 3 (b)6.
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Designing, 1. A.C. Machy., 3. Loging, 2. Logidou, 3. Designing, 2. Logidou, 3. Logidou, 4. Railway Eng., 2. Dyn. of Machy., 4. Railway Eng., 2. Prechand Drawing, 1. Mineralogy, (a) 5. Pract. Geology, (b) 5. Pract. Geology, (b) 5. Pract. Geology, (b) 5. Thermodynamics, 3. Thermodynamics, 3. Thermodynamics, 3. Thermodynamics, 3. Thermodynamics, 3. Thermodynamics, 3.
Mach. Des. Ex. 4. Mineralogy, (a) 5. Mineralogy, (b) 5. Kunicipal Eng. 2 & 1.* Canadian Geology, (b) 5. Frince Collemistry, 6. Canadian Geology, (b) 5. Frince Collemistry, 6. Dyn. of Mach., 3, 4. The collection of the c
Designing, r. Physical-Chem., 3, (b) 6. Mineralogy, (a) 5. Themoo. Lab., 4. Transportation c. Geology Collomium (A) e.
Designing, 1. Elect. Eng., 3. Petrography (b) 5.** Petrography (b) 5.** Designing, 1. Elect. Head Designing, 2. Thermo. Lab., 4. Designing, 2. Mining Colloq., {(a) 5.** Mining Adv., {(b) 5.** Mining Colloq., {(a) 5.** Mining Colloq., {(a) 5.** Thermo. Lab., 4. Designing, 1. Mach. Des. Ex. 4. Mach. Des. Ex. 4. Mineralogy, (a) 5. Pract. Geology, (b) 5. Pract. Geology, (b) 5. Mineralogy, (a) 5. Mineralogy, (a) 5. Transportation 5. Mineralogy, (a) 5. Mineralogy, (a) 5. Mineralogy, (a) 5. Aminicipal Eng., 2 & 1.** Mach. Des. Ex. 4. Mineralogy, (a) 5. Mineralogy, (a) 5. Mineralogy, (a) 5. Transportation 5.

**Optional Course. (a) First Term. (b) Second Term. (c) First half of first Term. (d) Second half of first Term. 1. Architectural Students. 2. Civil Engineering Students. 3. Electrical Students. 4. Mechanical Engineering Students. 5. Mining Engineering Students. 6. Practical Chemistry Students. The Chemical Laboratories are open to Second, Third and Fourth Year Classes daily (Saturday excepted) from 9 a.m. to 5 p.m.

Faculty of Law.

(Macdonald Foundation).

It includes The Curriculum extends over three years. courses of lectures upon all the branches of the Law of the Province of Quebec, and also upon Roman Law, Legal History, and the Constitutional Law of England, of the Dominion. Its primary design is to afford a comprehensive legal education for Students who intend to practise at the Bar of the Province. In all the courses the attention of Students will be directed to the sources of the Law, and to its historical development. During their first year the students will attend a course of one hundred lectures on Roman Law, from which the Law of this Province is in great part derived. In the lectures on Legal History the relations of our Law with the Law of France and its History since the Cession will be explained. First Year Students will also attend courses on the Law of Persons; the Law of Real Estate; the Law of Obligations; and the Elementary rules of Procedure. The remaining branches of the law, civil, commercial, and criminal, will be dealt with in the second and third years. During the three years' course the Civil Code, the Criminal Code, and the Code of Civil Procedure will be covered, and lectures will also be given upon subjects, such as Bills of Exchange, Merchant Shipping, and Banking, which are regulated mainly by special statutes. A course of lectures upon Medical Jurisprudence is generally arranged for.

Students have the free use of the Law Library of the Faculty, which has lately been much enlarged. The principal reports and legal periodicals are taken. A special room for Law Students is provided in the Redpath Library. room is open during the day, and in the evenings from eight

to ten oclock.

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The lectures are delivered in the rooms furnished for the Faculty in the East Wing of McGill College by its munificent benefactor, Sir Wm. C. Macdonald. The Faculty desire to impress upon English students the great importance of obtaining a familiar knowledge of French. In the practice of the profession in this Province it is almost indispensable that a lawyer shall be able to write and speak French, and to understand it when it is spoken. All who intend to become students of law are urged to pay special attention to this subject.

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Those students who are able to take the B.A. course before entering upon their legal studies are strongly recommended to do so. Those for whom this is impossible are advised to attend the courses in the Faculty of Arts for two years.

MATRICULATION.

For particulars of the University Matriculation Examination for students in law see pp. 9-16.

The attention of students who intend to practise law in the Province of Quebec is called to the requirements of the Bar of the Province as to admission to study. These will be found on p. 211.

SCHOLARSHIPS AND PRIZES.

Various scholarships and prizes will be awarded to the students of each year who obtain the highest distinction at the Examinations in April, 1901.

No scholarship or prize will, however, be awarded to any student unless in the estimation of the Faculty a sufficiently high standing be attained to merit it.

FACULTY REGULATIONS.

I. Students of Law shall be known as of the First, Second, and Third Year, and shall be so graded by the Faculty. In each year, Students shall take the studies fixed for that year, and those only, unless by special permission of the Faculty.

2. The register of Matriculation shall be closed on the 1st of Octo-

ber in each year, and return thereof shall be immediately made by the Dean to the Registrar of the University. Candidates applying thereafter may be admitted on a special examination to be determined by the Faculty; and, if admitted, their names shall be returned in a supplementary list to the Registrar.

3. The lectures will be delivered between the hours of half-past 8 and half-past 9 in the morning, and between 4 and half-past 6 in the afternoon; and special lectures in the evening at such hours and in such order as shall be determined by the Faculty. Professors shall have the right to substitute an examination for any such lecture.

4. At the end of each College year there shall be a general examination of all the classes, under the superintendence of the Professors, and of such other examiners as may be appointed by the Corporation. The examination shall be conducted by means of printed questions, answered by the Students in writing in the presence of the Examiners. The result shall be reported as early as possible to the Faculty.

After the examinations, the Faculty shall decide the general stand-

ing of the Students.

- 5. At the end of the third College year there shall be a Final Examination of those Students who have completed the Curriculum. This Examination shall be conducted partly by written papers and partly orally. It shall cover all the subjects upon which lectures have been delivered during the three years' course. Those Students who satisfy the examiners shall be entitled, after making the necessary declaration and payment of the Graduation Fee to proceed to the Degree of B.C.L. The Elizabeth Torrance Gold Medal shall be awarded to the Student who shall obtain the highest marks in the Examination, provided his answers shall, in the estimation of the Faculty, be of sufficient merit to entitle him to this distinction. There shall be no Sessional Examination of Students who are candidates in the Final Examination.
- 6. No Student shall be considered as having kept a Session unless he shall have attended regularly all the courses of Lectures, and shall have passed the Sessional Examinations to the satisfaction of the Faculty in the classes of his year.
- 7. The Faculty shall have the power, upon special and sufficient cause shown, to grant a dispensation to any Student from attendance on any particular Course or Courses of Lectures, but no distinction shall in consequence be made between the Examinations of such Students and those of the Students regularly attending Lectures.
- 8. Every Candidate, before receiving the Degree of B.C.L., shall make and sign the following declaration:—

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9. The fees in the Faculty will be as follows for Students matriculating after Nov., 1897:—

Matriculation and Sessional Fees must be paid on or before Oct. 1st; and, if not so paid, the Student in default shall incur a fine of \$3; his name shall be removed from the books; and his attendance at lectures shall not be credited until his fees and the said fine have been paid.

COURSES IN THE FACULTY OF LAW FOR 1900-1901.

ROMAN LAW.

Professor Walton.

During the first part the external history of the law from the early period to the codification of Justinian will be dealt with. The sources of the law will be described, and the gradual evolution explained, by which the law of the city of Rome became fitted to be the law of the civilized world. A brief sketch will be given of the legal institutions of Rome in the first period and of the early constitutional history.

In the doctrinal part of the course matters mainly of antiquarian interest will be touched only slightly. Those portions of the Roman Law which have been followed most closely in the xisting law of the Province, e.g., Property, Servitudes, Pignus and Hypothec, and Obligations, will be treated in detail, and the modifications made by the modern law will be noticed. Class-examinations will be held from time to time, and a first and second prize of books will be given to the two students who obtain the highest marks in these examinations.

Text-book, Moyle's or Sandar's Institutes of Justinian. Books of reference:

Muirhead's Historical Introduction to Roman Law.

Muirhead's Institutes of Gaius.

Maynz, Cours de Droit Romain.

Puchta, Institutionen.

Girard, Manual de Droit Romain.

Maine's Ancient Law.

CONSTITUTIONAL AND ADMINISTRATIVE LAW.

Professor Walton.

The object of this course is to explain the actual working of the Canadian Constitution. A sketch of the Constitutional History prior to Confederatio nis given. The B. N. A. Act is then explained, and the leading cases discussed which illustrate the respective powers of the Federal and of the Provincial Legislatures. The growth of Cabinet Government is traced, and some of the fundamental rules of the English Constitution are explained and contrasted with those followed in other countries.

No text-book is prescribed, but students are recommended to refer to Todd, Parliamentary Government in the British Colonies; Houston, Constitutional Documents of Canada; Dicey, Law of the Constitution; Anson, Law and Custom of the Constitution.

LEGAL HISTORY AND BIBLIOGRAPHY.

Professor McGoun.

This course comprises an outline of the history of the law in force in the Province of Quebec.

The main source from which this law is derived is the Customary Law of France, as modified by the principles of Ro-

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red is the Cusinciples of Roman Law, embodied in several of the codes or collections of Roman Law before the time of Justinian. The Customs of France after being reduced to writing were further modified by the influence of modern Roman Law, which prevailed throughout the larger part of France. The ordinances of the French kings and the commentaries of the great jurists, from Cujas and Dumoulin down to Pothier, brought the Civil Law of France into the systematic form in which it was introduced into this Province. The custom of Paris, one of the most important of those recognized in France, became formally the basis of the Civil Law in this country, and the ordinance of 1667 was the main authority for procedure.

Since the opening of the British regime the development of Lower Canadian Civil Law has proceeded independently of the Civil Law of France, where the Code Napoléon was passed early in the Century. In Lower Canada a code on the same lines was adopted shortly before the Confederation. Lower Canadian Law has been modified by English law in commercial matters, and also by statutes passed in the Province. Criminal Law, on the other hand, has been derived almost exclusively from the Criminal Law of England.

The leading authorities upon the main branches of the law, with the reports of decisions of our courts, are brought under the attention of the students in this course.

Law of Corporations and of Joint Stock Companies.

Professor McGoun.

This course is the sequel of the course on Agency and Partnership. The doctrine of limited liability and the opportunity which it affords for carrying out enterprises of great importance, by means of capital contributed by a large number of individuals, is treated of in this course. The growth of Corporations, both those established by long custom, and those created by Royal Charter, or by Parliamentary or Legislative authority, is also explained, and the relation

between these corporations and the ordinary forms of joint stock companies Corporations sole and Corporations aggregate are defined, and the principles of laws relating to Corporations and Companies explained. In the alternate years Prof. McGoun will lecture on Agency and Partnership.

CRIMINAL LAW.

Professor Mr. Justice Davidson.

This course includes:-

A history of the Criminal Law and Criminal Procedure of England; and of their introduction into and development throughout Canada;

Discussion of the Criminal Code and other Statutes enacting criminal offences; of the rules of evidence in criminal cases, of the Fugitive Offenders' Act; of extradition, and generally of the principal features belonging to the Criminal Law of the Dominion.

COMMERCIAL LAW.

Professor R. C. Smith.

The subjects dealt with will include Commercial Sales, Bills and Notes, the law of Carriers, the law of Insurance, and the law of Banks and Banking.

The course on carriers will cover:

- 1. Carriers, contracts with,
 - (a) Affreightment.
 - (b) Merchant Shipping.
 - (c) Bottomry and Respondentia.

The course on Insurance will cover:

- 2. Insurance, contracts of,
 - (a) Marine Insurance.
 - (b) Fire Insurance.
 - (c) Life Insurance.

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CIVIL PROCEDURE.

Mr. Gordon W. Macdougall.

This course to the students of the First Year is intended to form an introduction to the subject, to explain the simpler kinds of actions, the general rules of pleading, and the jurisdiction of the several courts.

The revised Code of Civil Procedure for the Province of Quebec is the text-book.

CIVIL PROCEDURE.

Mr. Percy C. Ryan.

The advanced course for the Second and Third Years covers all matters of procedure not dealt with in the First Year Course, and includes Provisional Remedies, such as capias, attachment before judgment, injunction, etc., and special proceedings, such as proceedings relating to corporations and public offices, mandamus, etc., as well as the rules of pleading in the more complicated classes of action. It will be divided into two parts, one of which will be taken in each alternate year.

MARRIAGE COVENANTS AND MINOR CONTRACTS, PRESCRIP-TION, LEASE, AND MUNICIPAL LAW.

Professor Fortin.

Two courses. In alternate years.

Successions, Gifts, and Substitutions.

Professor Mr. Justice Doherty.

Two courses. In alternate years.

The Law of Succession.

The course consists of a commentary and explanation of the whole of Title I, and the third Chapter of Title II of the

Third Book of the Civil Code. The order followed by the Code in dealing with the different matters, coming within the scope of this course, has however been departed from with a view to presenting to the Student the Law governing successions as one whole. The subject will be developed as nearly as possible in the following order:-

1. General notions, definitions, and divisions of the subject. The Testamentary Succession. The Ab-Intestate Successsion.

- Rules of Law common to both Successions.
- Rules peculiar to the Testamentary Succession. 3.
- 4. Rules peculiar to the Ab-Intestate Succession.
- 5. Partition of the Succession (and of property held in undivided ownership generally), its incidents and effects.

OBLIGATIONS.

Mr. Aimé Geoffrion.

This course of lectures will consist of a commentary on the title on obligations in the Civil Code, less the chapter of proof (articles 982 to 1,202 inclusive). Our law on the subject will be compared with the old French law and the modern French law; and its general principles will be explained and illustrated.

REAL PROPERTY LAW, PRIVILEGES AND HYPOTHECS, RE-GISTRATION, AND NOTARIAL LAW.

Professor Marler.

Two courses. In alternate years.

PUBLIC INTERNATIONAL LAW.

Professor Lafleur.

Sovereignty and equality of Independent States, Recogni- The University tion of Belligerency and Independence. Justifiable grounds the session. of intervention. Modes of territorial acquisition. Territorial

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boundaries. Doctrine of Exterritoriality. Treaties and Arbitrations. Laws of War. Neutrality of States and of individuals. Laws of Blockade. Contraband. Confiscation. Prize-Courts and their jurisprudence.

The students' attention will be specially directed to Treaties, Diplomatic Relations, and International Arbitrations, in which Canada is directly concerned.

PRIVATE INTERNATIONAL LAW.

Professor Lafleur.

Distinction between the *a priori* and positive methods. Sources of the positive law of Quebec on the subjects. Application and illustration of the rules for solving conflicts of law in regard to the different titles of the Civil Code. Comparisons between our jurisprudence and that of England, France, and Germany.

These two courses will be given in alternate years.

SYLLABUS.

Tuesday, 4th September, 1900, Introductory Lecture by the Dean. Wednesday, 5th September, Ordinary Lectures begin.

Friday, 7th December. Last day for notice to be sent to Secretary of Section of the Bar by candidates at the January Examinations for admission to study or to practise Law in the Province of Quebec.

Monday, 7th January, 1901. Lectures, Second Term, begin. Tuesday, 8th January. Bar Examinations take place at Montreal.

Tuesday, 30th April Convocation for Degrees in Law.

Saturday, 1st June. Last day for notice to be sent to Secretary of Section of the Bar by Candidates at the July Examinations for admission to study or to practise Law in the Province of Quebec.

Monday, 2nd July. Bar Examinations take place at Quebec.

EXAMINATIONS.

The University Examinations are held in April, at the close of the session.

REQUIREMENTS FOR DEGREE OF DOCTOR OF CIVIL LAW.

ADOPTED OCTOBER, 1881.

Every Candidate for the degree of D.C.L. in Course must be a Bachelor of Civil Law of twelve years' standing, and must pass such examination for the Degree of D.C.L. as shall be prescribed by the Faculty of Law. He shall also, at least two months before proceeding to the Degree, deliver to the Faculty twenty-five printed copies of a Thesis or Treatise of his own composition on some subject, selected or approved by the Faculty, such Thesis to contain not less than fifty octavo pages of printed matter, and to possess such degree of merit as shall, in the opinion of the Faculty, justify them in recommending him for the degree.

The Examination for the Degree of D.C.L. in Course, shall, until changed, be on the following subjects and authors, with the requirement of special proficiency in some one of the groups below indicated. In the groups other than the one selected by the Candidate for special proficiency, a thorough acquaintance with two works of each group shall be sufficient, including in all cases the work first mentioned in each group and the first two works in the third group. In the first group one work on Public and one on Private International Law must be offered.

I. INTERNATIONAL LAW.

A. Public:—
Twiss, Sir T., Law of Nations.
Hall, W. E., International Law.
Harcourt, Sir W. V., Letters by Historicus.
Ortolan, T., Diplomatie de la Mer.
De Martens, Droit International.
Holland, Studies in International Law.
B. Private:—
Savigny, Private International Law (Ed. Guthrie).

Bar, Private Foelix, Droi Laurent, Dro Brocher, Droi Fiore, Droit Dicey, Conflic Story, Conflic Lafleur E., C

Maynz, Droit Muirhead's Ro Girard, Manu Ortolan's Inst Savigny, Rom Cuq, Les Inst Puchta, Instit Krüger, Rôm Roby's Introd Hunter's Rom

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Guthrie).

Bar, Private International Law (Ed. Gillespie).
Foelix, Droit International Privé.
Laurent, Droit Civil International.
Brocher, Droit International Privé.
Fiore, Droit International Privé (Ed. Pradier-Fodéré).
Dicey, Conflict of Laws.
Story, Conflict of Laws.
Lafleur E., Conflict of Laws.

2. ROMAN LAW.

Maynz, Droit Romain.
Muirhead's Roman Lav.
Girard, Manuel de Droit Romain.
Ortolan's Institutes (Ed. Labbé).
Savigny, Roman Law in the Middle Ages.
Cuq, Les Institutions Juridiques.
Puchta, Institutionen.
Krüger, Römische Rechtsquellen.
Roby's Introduction to the Digest.
Hunter's Roman Law.

3. CONSTITUTIONAL HISTORY AND LAW.

Dicey's Law of the Constitution.

Stubbs' Constitutional History of England.

Hearn, Government of England.

Bagehot, English Constitution.

Franqueville, Gouvernement et Parlement Britanniques.

Gneist, Constitution of England.

Hallam, Constitutional History of England.

May, " " "

Gardiner, " "

Freeman, Growth of the English Construction.

Mill, Representative Government.

Anson, Law and Custom of the Constitution.

4. Constitution of Canada and Works RELEVANT THERETO.

Todd, Parliamentary Government in the British Colonies. Bourinot, Federal Government in Canada.
Cartwright, Cases under the British North America Act. Lord Durham's Report on British North America.
Lareau, Histoire du Droit Canadien.
Houston's Constitutional Documents of Canada.
Volume O., Statutes of Lower Canada.
Maseres' Collection of Quebec Commissions.
Laferrière, Essai sur l'Histoire du Droit Français.
Dilke, Problems of Greater Britain.
Bryce, American Commonwealth.
Curtis, History of the Constitution of the United States.
Cooley, Principles of Constitutional Law.

5. CRIMINAL LAW, JURISPRUDENCE, AND POLITICAL SCIENCE.

Stephens, History of the Criminal Law.
Blackstone, Vol. IV.
Harris, Principles of Criminal Law.
Holland, Elements of Jurisprudence.
Austin, Lectures, omitting chapters on Utilitarianism.
Lorimer's Institutes.
Amos, Science of Law.
Woolsey, Political Ethics.
Lieber, Political Ethics.
Freeman, Comparative Politics.
Aristotle's Politics, by Jowett.

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APPENDIX.

The attention of intending Students is called to the following provisions of the Revised Statutes of Quebec and amendments, as bearing on the requirements for the study and practice of Law in the Province.

Article 3544 R.S.Q.—Examinations for admission to study and to practise law in the Province of Quebec are held at the time and place determined by the General Council.

The places and dates as at present fixed are:

MONTREAL..... Tuesday, 8th Jan., 1901. QUEBEC..... Tuesday, 2nd July, 1901.

and alternately in Montreal and Quebec every six months, namely—at Montreal, on the second Tuesday of each January, and at Quebec on the first Tuesday of each July.

All information concerning these examinations can be obtained from the General Secretary's Office. The present General Secretary is Arthur Globensky, Esq., Montreal.

Article 3546.—Candidates must give notice as prescribed by this article at least one month before the time fixed for the examination to the Secretary of the Section in which he resides, or in which he has resided for the past six months.

The present Secretary of the Montrea Section is Edmond Brossard, Esq., 66 St James Street, Montreal.

Article 3503a.—Added by Statute of Quebec, 53 Victoria (1890), Cap. 45, provides that Candidates holding the diploma of Bachelor of Arts, Bachelier-es-Lettres, or Bachelier-es-Sciences from a Canadian or other British University are dispensed from the examination for admission to study. Such Candidates are required to give the notice mentioned above.

Article 3548 R.S.Q. (as altered by by-law of the General Council). On giving the notice prescribed by Article 3546, the Candidate pays the Secretary a fee of \$2, and makes a deposit of \$30 for admission to study, or of \$70 for admission to practice, which deposit, less \$10, is returned in case of his not being admitted.

Article 3552 (amended 1894, Q. 57 Vic., c. 35).—To be admitted to practice, the Student must be a British subject, and must have studied regularly and without interruption during ordinary office hours, under indentures before a Notary as Clerk, or Student with a practicing Advocate, during Four Years, dating from the registration of the certificate of admission to study. This term is reduced to Three Years in the case of a student who has followed a regular law course

in a University or College in this Province and taken a degree in law therein.

The By-Laws passed by the General Council of the Bar of the Province of Quebec, 16th Sept., 1886, and amended 10th Feb., 1892, provide as follows:—

Art. 42.—A course of lectures on law given and followed at a University or College in this Province, and a diploma or degree conferred on students by such university or college, shall be held to be such as contemplated in art. 3552 R.S.Q. only when the university or college conferring the degree and the student who receives it shall have efficiently followed the programme herein set forth. This article and article 44 shall apply to students already admitted only as regards lectures to be given after the 1st of January, 1887.

2. The subjects on which lectures shall be given, and the number of lectures required on each subject for a regular course of lectures on law in a university or college shall be as follows:—

ROMAN LAW:- 103 Lectures.

This subject shall include an introduction to the study of Law and the explanation of and comments on the Institutes of Justinian and the principal jurisconsults of Rome.

CIVIL, COMMERCIAL, AND MARITIME LAW:-413 Lectures.

Lectures on these subjects shall cover at least three years. They consist of the history of French and Canadian law, the explanation of and comments on the Civil Code of the Province of Quebec and the Statutes relating to Commerce and Merchant Shipping.

CIVIL PROCEDURE:—103 Lectures.

Lectures on this subject shall extend over at least two years. It shall consist of the explanation of and comments on the Code of Civil Procedure and the Statutes amending it, the organization of the Civil Courts of this Province and

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INTERNATIONAL LAW, Private and Public:—21 Lectures.

CRIMINAL LAW:-69 Lectures.

This subject includes the history of criminal law in Canada, the constitution of criminal courts, criminal procedure, comments on statutes relating to criminal law, the relation of criminal law in Canada to the criminal law of England. The lectures shall extend over two years.

ADMINISTRATIVE AND CONSTITUTIONAL LAW:-41 Lectures.

These subjects include an inquiry into the different political institutions and the public institutions of the country, the powers, organization and procedure of the Federal Parliament and of the Local Legislature, the laws on Education and the Municipal Code.

Art. 43.—Candidates for practice who hold a degree in law from a university or college in this Province shall produce, with their notices, a certificate from the principal or rector of such university or college to the effect that they followed a course of lectures on law in the same, during at least three years, in conformity with the by-laws of the Bar; and such certificate shall further specify the number of public lectures at which they shall have attended on each subject mentioned in the foregoing programme, during each of the said three years. The last part of this certificate shall only be required for courses of lectures given after the 1st January, 1897.

Art. 44.—The examiners shall not consider a university degree in law valid for the purposes of admission to the Bar if they find that the candidate has not in fact followed the programme above.

TIME TABLE.

INTRODUCTORY LECTURE, TUESDAY, 4TH SEPT., 4 P.M. FIRST YEAR STUDENTS, 1900-1901.

Hours.	Monday	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
8.30	Obligations, Mr. A. Geoffrion	Procedure. Mr. Gordon Macdougall.	Obl.	Procedure.	Obl.
4.00	Roman Law. The Dean.	Rom.	Rom.	Rom.	Law. The Dean,
5.00	Legal History. Prof. McGoun.	Persons. Prof. Lafleur.	Hist.	Persons.	Hist.
	MONDAY, 5	тн Nov., то	FRIDAY, 14TH	DEC., 6 WEE	Ks.
Hours.	Monday.	TURSDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
8.30	Obl.	Procedure.	Obl.	Proced.	Obl.
4.00	Rom.	Rom.	Rom.	Rom.	Const.
5.00	Real Rights. Prof. Marler.	Persons.	Real Rights.	Persons.	Real Rights.
Hours.	Monday,	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
Hours.	Monday.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
8.30	Obl.		Obl.	,	Obl.
4.00	Rom.	Rom.	Rom.	Rom,	Rom.
5.00	R. R. 3 wks.	Constitutional Law. The Dean.	R. R.	Const.	R. R.
11/	MONDAY, IITE	MARCH, TO	FRIDAY, 29Th	H MARCH, 3	WEEKS.
Hours	Monday.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
8.30	1 19 _				
4.00	Rom.	Const.	Rom.	Const.	Rom.
5 00	Criminal Law. Prof. Mr. Justice Davidson.	Crim.	Crim.		Crim.
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Hours. M Suc 8.30 Mr Pre Pro 4.00 Crim Prof. Da 5.00 N.B.-T M Hours. M 8.30 Suc Lea 4.00 Prof Cr 5.00 Mon Hours. Mo Succ 8.30 C.P.5 Real

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INTRODUCTORY LECTURE, TUESDAY, 4TH SEPT,, 4 P.M. SECOND AND THIRD YEAR STUDENTS, 1900-1901. WEDNESDAY, 5TH SEPT., TO FRIDAY, 2ND NOV., 9 WEEKS.

Hours.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
8.30	Successions. Prof. Mr. Justice Doherty.	Civ. Procedure. Mr. Ryan.	Successions.	С. Р.	Successions.
4.00	Prescription. Prof. Fortin.	Prescription.	Roman Law of Contracts. The Dean.	Prescription.	Prescription.
5.00	Criminal Law, Prof. Mr. Justice Davidson,	Commercial Law. Prof. R.C.Smith	Crim.	Comm. Law.	Crim.

N.B.—The lectures on Successions, will begin Monday, 10 Sept.

4 P.M.

FRIDAY.

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Constitutional
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Monday, 5th Nov., to Friday, 14th Dec., 6 weeks.

Hours.	Monday.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
8.30	Successions.	С. Р.	Successions.	С. Р.	Successions
4.00	Lease, &c. Prof. Fortin.	Lease, &c.		Lease, &c.	Lease, &c.
5.00	Criminal.	Commercial Law.	Crim.	Comm. Law.	Crim.

MONDAY, 7TH JAN., TO FRIDAY, 8TH MARCH, 9 WEEKS.

Hours.	Monday.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
8.30	Successions. 5 wks. C.P. 4 weeks.	Corporations, Prof. McGoun.	Successions. C. P.	Corporations,	Successions. C. P.
4.00	Real Property Law. Prof. Marler. 6 weeks. N.B. This course will begin after the completion of Prof. Mar- ler's course to the first year.		R. P. L.		R. P. L.
5.00	Public Internat. Law. Prof. Lafleur.	Commercial Law. Prof. R. C. Smith	P. I. L.	Comm. Law.	P. I. L.

MONDAY, 11TH MARCH, TO FRIDAY, 29TH MARCH, 3 WEEKS.

Hours.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
8.30	Corporations.	С. Р.	Corporations.	С. Р.	Corporations.
4.00	R. P. L.		R. P. L.		R. P. L.
5.00	Commercial Law.	P. I. L.	Comm. Law.	P. I. L.	Comm. Law.

Commercial Law Corporations Real Property Law	50 " 25 " 25 "	Criminal Law Procedure International Roman	40 "
Prescription Lease, &c	25 "	Total	314 "

In addition a short course on Medical Jurisprudence will be given on dates to be afterwards fixed.

Faculty of Medicine.

The Sixty-eighth Session of this Faculty will be opened on Thursday, September 20th, 1900, by an introductory lecture at 3 pm. The regular lectures in all subjects will begin on September 22nd, at the hours specified in the time-tables, and will be continued until May 25th, 1901, when the annual examination will begin.

The Medical School of McGill University was founded in 1822 as the "Montreal Medical Institution," by Drs. W. Robertson, W. Caldwell, A. F. Holmes, J. Stephenson and H. P. Loedel—all of them at the time members of the staff of the

Montreal General Hospital.

Although founded in 1822, yet no session of the "Medical Institution" was held until 1824, when it opened with 25 students; in 1844 the number of students in the Faculty was 50; in 1851, 64, with 15 graduates; in 1872-73, 154, with 35 graduates; in 1892-93, 315, with 46 graduates; in 1895-96, 419, with 90 graduates; in 1899-1900, the session just completed, 457 undergraduates were registered.

There were no sessions held during the political troubles from 1836 to 1839, and it is owing to this fact that the present is the 68th session of the Faculty. This is in reality the seventy-first session of the school, which is the direct continu-

ation of the "Montreal Medical Institution."

In 1828 the "Medical Institution" was recognized by the Governors of the Royal Institution as the Medical Faculty of McGill University. At this time the lectures were given in a building on the site of the present Bank of Montreal. Later the school was removed to a brick building, still standing near the corner of Craig and St. George streets.

In 1846 the lectures of the Faculty were given in the present central building of the University now occupied by the Faculty of Arts. On account of the inconvenience arising from the distance of the University buildings from the centre of the city, it was decided in 1850 to erect a Medical school building on Cote Street. This building, provided with ample

accommod a large dis pied for th ficed for the front build ernors of t

In 1885' the Govern quate. A afforded an Faculty,—t thoroughly

Owing to laboratory added in 18 to meet the H. R. Mols Faculty, an lege ground and extensi

These wi Excellency. January 8th the old one road, and co connected ti the older bu pable of acco tion-rooms Histology, I tories, etc., improved: t department anatomical 1 fessors' and Room.

On the grenlarged; a as a reading sive reference

accommodation for Library and Museum, and furnished with a large dissecting room and two lecture rooms, it was occupied for the first time during the session of 1851-52, and sufficed for the wants of the Faculty until 1872-73, when the front building of the present block was provided by the Governors of the University.

In 1885 the building in the University grounds, erected by the Governors for the use of this Faculty, was found inadequate. A new building was then added, which at the time afforded ample facilities for carrying out the great aim of the Faculty,—that of making the teaching of the primary branches thoroughly practical.

Owing to the larger classes and the necessity of more laboratory teaching, the Lecture Rooms and Laboratories added in 1885 soon became insufficient in size and equipment to meet the remainments of the Faculty. The late Mr. John H. R. Molson with timely generosity came to the aid of the Faculty, and in 1893 purchased property adjoining the college grounds, and enabled the Faculty to erect new buildings and extensively alter and improve those already in use.

These wings were completed and officially opened by His Excellency, the Earl of Aberdeen, visitor of the University, January 8th, 1895. They were erected as an extension of the old ones, towards the northwest, partially facing Carlton road, and convenient to the Royal Victoria Hospital. They connected the Pathological building, acquired in 1893, with the older buildings, and comprised a large lecture room, capable of accommodating 450 students, with adjoining preparation-rooms and new suites of laboratories for Pathology, Histology, Pharmacology and Sanitary Science. The laboratories, etc., in the older buildings were greatly enlarged and improved; the whole of the second floor was devoted to the department of anatomy, and consisted of dissecting-room. anatomical museum and bone-room, preparation rooms, Professors' and Demonstrators' rooms, and a special Lecture Room.

On the ground floor the Library and Museum were greatly enlarged; a room forming part of the Library was furnished as a reading room for the use of students, where the extensive reference library of the Faculty may be consulted.

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en in the pied by the ce arising the centre ical school with ample On this floor are situated the Faculty room, the Registrar's office, the special museum for Obstetrics and Gynaecology, together with Professors' rooms, etc. The chemical laboratories were increased by including the laboratories formerly used by the department of Physiology.

In the basement are placed the janitor's apartments, cloak rooms with numerous lockers for use of students, the Lavatory, etc., recently furnished with the most modern sanitary

fittings.

The Faculty has much pleasure in announcing that by the generosity of Lord Strathcona it is now beginning very extensive alterations and largely increasing its buildings. During the summer of 1900 the first two wings of the new building will be erected. One wing will replace the brick lecture room on the west side of the building. This will be a massive stone structure, harmonious in architecture with the wing erected in 1895. On the ground floor of this wing will be the Faculty room, a fireproof stack-room adjoining the present library; the Registrar's offices and Professors' rooms; above these on the next floor there will be a large lecture room, especially arranged for the teaching of anatomy, with numerous small laboratories for anatomy.

The wing now occupied by the laboratories for pathology will be removed, and a wing 100 feet long and 40 feet deep will be erected in its place. This will be especially constructed for laboratories, and will contain the laboratories for Pharmacology, Chemistry, Pathology, Bacteriology and Hygiene, as well as numerous private laboratories connected with

those for the use of the students.

These wings form a portion of a scheme of reconstruction of the present medical buildings whereby a symmetrical stone structure will replace the irregular set of buildings now occupied by the Faculty. The replacing of the older portions of the medical buildings by new wings has been spread over several years so as not to interrupt or disturb the regular teaching work of each session.

Lecture Rooms.

In the buildings now occupied by the Faculty, as will be seen by reference to the diagrams, in addition to the labora-

tories, dissect rooms, two ca and one for g pable of sea and a lecture is given each sional fee.

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or pathology 40 feet deep ally construcoratories for ogy and Hyonnected with

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ty, as will be to the laboratories, dissecting room, etc., there are three large lecture rooms, two capable of comfortably seating about 300 students, and one for general lectures, sessional examinations, etc., capable of seating 450 students. The seats are numbered, and a lecture room ticket securing a seat for the session is given each student on enregistering and paying the sessional fee.

Rooms for Students Use.

Three cloak rooms are provided in convenient portions of the buildings, and, in addition, commodious lockers can be procured at a nominal rental. A large well-lighted readingroom containing newspapers, magazines and the current medical journals is provided, and is managed by the students themselves. The original library has been refitted as a reading-room for students desiring to avail themselves of the reference works in the library of the Faculty.

Dissecting Room.

The Dissecting Room, which is situated on the second floor, is L-shaped, one arm of which is 76 feet in length and 31 feet in breadth and the other arm 45 by 32. It is supplied with thirty dissecting tables and over 200 specially constructed lockers, and is well lighted for work during the day and night.

In connection with the dissecting-room there is a Bone room and Anatomical Museum where students have an excellent opportunity of studying osteology, frozen sections, anatomical models and dry preparations. In connection with the bone room is a small but well arranged museum of comparative osteology. There are also rooms for the demonstrators of anatomy.

Physiological Laboratories.

The Physiological Laboratories, which are situated on the upper floor, facing the west, are supplied with the most modern apparatus for the practical teaching of this rapidly growing and important branch of the medical curriculum. They consist of one large room forty-five by thirty-five feet for undergraduate work, and two smaller ones for more ad-

vanced work and private research. In addition there is a room set apart for a consulting library and for the special use of the Professor of this department. The Student's laboratory is arranged in such a way as to permit of students assisting at and taking part in the more elaborate demonstrations, as well as undertaking experiments independently for themselves.

A recent grant from the Faculty, which was supplemented from private sources, has allowed of the partial equipment of an additional branch of the subject which it is the intention to extend, as well as to augment the resources of other departments of practical physiology in the immediate future.

Histological Laboratories.

The Histological Laboratory proper is a large, well-lighted room on the second floor of the new building. It is so arranged that over eighty students can be present at the microscopical demonstrations. It is supplied with 75 microscopes. In addition to the students' laboratory there is a smaller laboratory adjoining for the use of the professor and demonstrators and for special work.

Pharmacological Laboratory.

The Pharmacological Laboratory is a large room 45 by 35 feet, situated on the second floor of the new building, and is now furnished with the necessary appliances for the practical teaching of pharmacology. In this room is placed a teaching museum of drugs and pharmaceutical preparations arranged according to their physiological action; and tables arranged for teaching dispensing and the preparation of medicines.

Chemical Laboratory.

The Chemical Laboratory is large, lofty and lighted from three sides. It can accommodate 124 men, but only a much smaller number is allowed to work at one time. Each student, when entering on this course, has a numbered table in the laboratory assigned to him for his use during the session. Each table has its own gas and water fixtures, and is provided with shelves for its corresponding set of reagent-bottles, as well as a drawer and locker containing set of chemical appa-

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d lighted from at only a much ne. Each stunbered table in ing the session. and is provided gent-bottles, as chemical apparatus especially adapted for the work. This apparatus is provided by the Faculty, and supplied to each student without extra charge. The student is only required to pay for apparatus broken or destroyed.

The laboratory is fully equipped for the various courses of study, giving the student unsurpassed advantages for acquiring a sound and practical knowledge of medical chemistry.

Pathological Laboratories.

A building of three stories, 47 by 40 feet, adjoining the College, recently acquired by the Faculty, thanks to the generosity of the late Mr. J. H. R. Molson, constitutes the Pathological Laboratory; it has undergone extensive alterations to fit it for the purpose. The uppermost floor has been converted into a work-room for the osteologist and curator, the second floor is one large laboratory for class work in Practical Pathology and Bacteriology; upon the floor beneath are two laboratories for research, a preparation room, professor's private room and library, and culture rooms; while upon the ground floor are rooms for the attendant, for storage and for keeping animals.

Endowments.

The first endowments of the Faculty were the "Leanchoil" and "Campbell Memorial" funds. The former was a gift of Lord Strathcona; the latter subscribed by the citizens of Montreal and graduates of Medicine of the University. A portion of these funds was expended in increasing the laboratory and lecture room accommodation in 1885, the interest on the balance being applied to general maintenance.

In 1893 Lord Strathcona endowed the Chairs of Pathology and Public Health with \$100,000. This gift enabled the Faculty to equip and develop these departments until they are quite up to the requirements of modern medical science.

Various other endowments, such as the Drake Endowment of Physiology and the bequests of the late Mrs. Mary Dow, Mrs. John MacDougall and Miss Jane Learmont, have enabled the Faculty to maintain a high standard of laboratory teaching without proportionately increasing the cost of the course to the student.

Last year Lord Strathcona and Mount Royal again came

to the aid of the Faculty. He gave, in the names of Lady Strathcona and the Honorable Mrs. Howard, one hundred thousand dollars, to be used partially to meet the cost of extending the Laboratories, Library and Museum, and partially as a fund, the interest on which is to be applied to replace the loss of the graduation fees, formerly used to support the Medical Library and Museum, but which are now required by the Governors for general university expenses outside the Faculty of Medicine.

The thanks of the Faculty are also due to Mr. David Morrice, who has recently come forward with a donation of upwards of three thousand dollars to meet the cost of increasing the equipment of the Laboratory of Pharmacology.

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MATRICULATION.

For particulars of the University Matriculation, see pp. 9-17.

The matriculation requirements for those who intend to practise in any of the Provinces of Canada, or in Great Britain, etc., are as follows:—

A. Matriculation Examination for those who wish to obtain a license to practise in England, India, or any other British Possession (Canada excepted).

The Matriculation Examination in Medicine of this University, as described on pp. 9-17, is accepted by the General Medical Council of Great Britain and Ireland. Graduates of this University desiring to register in England are thus exempted from any examination in preliminary education on production of the McGill Matriculation certificate, together with a certificate that all the subjects of this Examination were passed at one time. Certificates of this University for attendance on lectures are also accepted by the General Medical Council of Great Britain.

B. Matriculation Examination for those who wish to obtain a license to practise in the Province of Quebec.

No University Matriculation Examination is accepted by the College of Physicians and Surgeons of this Province. Graduates in Arts of any British or Canadian University are however exempted from examination on presentation of their Diplomas.

Those who pass the Preliminary Examination described below, or Graduates in Arts who register as students in the C. P. & S., Quebec, on beginning their studies in Medicine, obtain on graduating from McGill University a license to practise in Quebec without further examination in any professional subject.

The requirements for this examination:-

LATIN.—Cæsar's Commentaries, Bks. I., II., III., IV. and V.—Virgil's Aeneid, Bks. I. and II.—The Odes of Horace, Bk. I., with a sound knowledge of the Grammar of the Language.

English.—For English-speaking candidates.—A critical know-ledge of one of Shakspere's plays, viz., Twelfth Night, for 1900, with English Grammar, as in Dr. Smith or Mason.

For French-speaking candidates.—Translation into French of passages from the first eight Books of Washington Irving's Life of Columbus, with questions on Grammar. Translation into English of extracts from Fénélon's Télémaque.

French.—For French-speaking candidates.—A critical knowedge of Molière's Le Bourgeois Gentilhomme, Fénélon's Aventures de Télémaque and La Fontaine's Fables, Bks. I., III., III., with questions on Grammar and Analysis.

For English-speaking candidates.—Translation into English of passages from Fénélon's Télémaque, with questions on Grammar. Translation into French of easy English extracts.

Belles Lettres and Rhetoric.—Principles of the subject as in Haven's Rhetoric, or Boyd's Rhetoric and Literary Criticism. History of the Literature of the age of Pericles in Greece, of Augustus in Rome, and of the 17th and 18th centuries of England, and France.

HISTORY.—Outlines of the History of Greece and Rome, and particular knowledge of the History of Britain, France and Canada.

GEOGRAPHY.—A general view, with particular knowledge of Britain, France and North America.

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Arithmetic.—Must include Vulgar and Decimal Fractions, Simple and Compound Proportion, Interest and Percentages, and Square Root.

Algebra.—Must include Fractions and Simultaneous Equations of the First Degree.

GEOMETRY.—Euclid, Bks. I., III., III. and VI., or the portion of plain Geometry covered by those Books. Also the measurement of the lines, surfaces and volumes of regular geometrical figures.

CHEMISTRY.—Outlines of the subject as in Remsen's Elements of Chemistry.

BOTANY.—Outlines as in Gray's "How plants grow."

Physics.—Outlines as in Peck-Ganot's Physics.

Philosophy.—Elements of Logic as in Jevon's Logic; Elements of Philosophy, as in Professor Murray's Hand-Book.

The Examinations will be held in Septem' 300, at Quebec, and in June, 1901, at Montreal. App. s to be made to Dr. J. A. Macdonald, No. 1 Belmont Street, who will furnish schedule giving text-books and percentage of marks required to pass in each subject.

Examination Fee, twenty dollars. Should the candidate be unsuccessful, one-half of the fee will be returned.

Of the four years' study after having passed the Matriculation Examination, three six months' sessions, at least, must be attended at a University, College or Incorporated School of Medicine recognized by the "Provincial Medical Board." The first session must be attended during the year immediately succeeding the Matriculation Examination, and the final session must be in the fourth year.

C. To obtain a license to practise in Ontario.

Every one desirous of being registered as a matriculated medical student in the register of the College of Physicians and Surgeons of this Province, except as hereinafter provided. must present to the Registrar the official certificate of having passed the "Departmental Pass Arts Matriculation Examina" tion," and in addition Physics and Chemistry—whereupon he shall be entitled to be so registered upon the payment of twenty dollars and giving proof of his identity.

Graduates in Arts of any University in Her Majesty's dominions, are not required to pass this examination, but may register their names with the Registrar of the College, upon giving satisfactory evidence of their qualifications, and

upon paying the fee of twenty dollars.

A certificate from the Registrar of any chartered University conducting a full Arts course in Canada, that the holder thereof matriculated prior to his enrolment in such University, and passed the examination in arts prescribed for students at the end of the first year, shall entitle such student to registration as medical student under The Ontario Medical Act.

Every medical student, after matriculating, shall be registered in the manner prescribed by the Council, and this shall be held to be the beginning of his medical studies, which shall date from that registration.

Full details may be obtained on application to Dr. R. A. Pyne, Registrar, Cor. Bay and Richmond Sts., Toronto.

D. To Practise in the Maritime Provinces.

The examination required by the Faculty of Medicine of this University is accepted in the provinces of Nova Scotia, New Brunswick, and Prince Edward Island, and in Newfoundland, subject to the following conditions:

The Nova Scotia, New Brunswick, and Prince Edward Island Medical Boards require a standard of 60 per cent., and

Physics to be taken as the optional subject.

The Newfoundland Medical Board accepts the McGill Ma-

triculation, as requires Phys

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triculation, as it is identical with the Arts Matriculation, but requires Physics in addition.

Students desiring ultimately to practise in any of these provinces should, when enregistered in the Faculty of Medicine, notify the Registrar of that province of the fact, and have their matriculation enregistered.

The Registrars are: for Nova Scotia, Dr. A. H. W. Lindsay, Halifax; for Newfoundland, Dr. J. Sinclair Tait, St. John's; and for New Brunswick, Dr. Stewart Skinner, St. John, N.B., who will furnish all details of requirements, etc.

Special matriculation examinations are held annually in New Brunswick and Nova Scotia.

These examinations, as stated above, are accepted by this University as equivalent to its Matriculation Examination.

E. To obtain license to Practise in Manitoba.

An examination accepted by the University of Manitoba as equivalent to their matriculation is required on entrance, and to obtain License an examination in Professional subjects is required. Dr. J. S. Gray, of Winnipeg, Manitoba, is the Provincial Registrar.

F. To obtain license to Practise in North-West Territories.

No special matriculation standard is specified. Licensed practitioners of any of the other provinces are admitted to practise without examination.

Those not licensed to practise elsewhere in Canada are examined in professional subjects only. Dr. H. W. Bain, of Prince Albert, is Registrar of the Province.

G. To Practise in British Columbia.

No special standard of matriculation is specified.

All desiring a license must be graduates of some recognized medical school, and pass an examination in professional subjects only. Dr. C. J. Fagan, of New Westminster, is the Provincial Registrar.

REGISTRATION.

For regulations governing registration for entrance in any years of the course, see pp. 18, 19.

The class tickets for the various courses are accepted as qualifying candidates for examination before the various Colleges and Licensing bodies of Great Britain and Ireland and the College of Physicians and Surgeons of Ontario. The degree in Medicine of this University carries with it at the Licensing Boards of Great Britain the same exemptions in certain subjects as are granted to all colonial degrees.

To meet the circumstances of the General Practitioners in British North America, where there is no division of the profession into Physicians and Surgeons exclusively, the degree awarded upon graduation is that of "Doctor of Medicine and Master of Surgery" in accordance with the general nature and character of the curriculum, as fully specified hereafter. The degree is received by the College of Physicians and Surgeons of the Province of Quebec, provided the graduate from this university matriculated before the College of Physicians and Surgeons of Quebec when entering on the study of medicine. Any graduate therefore in medicine of this University may obtain a license to practice in the Province of Quebec without further examination if he has complied with the above regulations.

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LECTURES	3. M
Anatomy	
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Laboratory Work.	
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*Prac. Biology	. 3-5
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TIME	TABI
LECTURES.	Мо
Anatomy	9
Physiology	2
Chemistry	3
Pharmacology and Therapeutics	4
WORK.	
Auatomy	10
Prac. Chemistry	9-11
Prac. Physiology.	

†Half the class only. Note—Students of the se to attend the Out Patients' Cl tendance to average two hour

TIME TABLE FOR SESSION 1900-1901.

Time Tables for the Session of 1900-01 will be issued to each stulent with his Lecture Room ticket on enregistration.

TIME TABLE OF FIRST YEAR LECTURES.

LECTURES.	Mon.	Tues.	Wed.	Thur.	Fri.	Sat.	Lecture Theatre.
Anatomy	9	9	9	9	9	{	Autumn &Winter Terms-No I.
Physiology	4	4		4			No. I.
Chemistry		3		3	3	{	Autumn Term No.
(2		2	{	Winter and Spring Terms-No. III
Biology		11		11		10 }	Autumn & Winter Terms,
		4		4			Autumn Term,
LABORATORY WORK.							
Practical Anatomy	10-121	10-121	$10-12\frac{1}{2}$	10-121	10-121	9-121	
*Prac. Physiology			3-5				
*Prac. Histology	2-4				4-6	10-12	
*Prac. Chemistry.	9-11	9-11	9-11	9-11			Autumn Torm.
*Prac. Biology	3-5		3–5				Autumn Term.

*Class taken in division.

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TIME TABLE OF SECOND YEAR LECTURES.

LECTURES.	Mon.	Tues.	Wed.	Thur	Fri.	Sat.	Lecture Theatre.
Anatomy	9	9	9	9	9	{	Autumn & Winter Terms -No. I.
Physiology	2		2		2		No. I.
Chemistry	3		3		3		
Pharmacology and Therapeutics	4		4		4		No. I,
LABORATORY WORK.	10	10	10	10	10	10	
Auatomy	12.30	12.30	12.30	12.30	12.30	12.30 {	Autumn & Winter Terms.
Prac. Chemistry	9-11	9-11	9-11	9-11	9-11	9-11	Spring Terms
Prac. Physiology.		2-4	.,	2-4			

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tHalf the class only.

Note—Students of the second year when not engaged in the laboratories are required to attend the Out Patients' Clinics (only) of M. G. H. or R. V. H. (11 a.m. to 1 p.m.); attendance to average two hours per week. Certificates required for graduation.

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TIME TABLE OF THIRD YEAR LECTURES.

LECTURES.	Mon.	Tues.	Wed.	Thur.	Fri.	Sat.	Lecture Theatre.	
Gynæcology and Obstetrics	9			9			II	-
Medicine	10	10	*11-12 *12-1	10	10		III	
Jurisprudence and Mental Diseases	11			11			п	
Pharmacology and Therapeutics		11			11		III	
Gen. Pathology and Bacteriology	5		9				ш	
Hygiene						*9-11	III	
Medicine	0	MGH		RVH				
Surgery	RVH	4-6	4-6	4-6	MGA 4-6		Path. Lab. Winter.	
Clinical and Sanitary Chemistry		4-6	4-6	4-6	4-6		Chem. Lab. Autumn	
Bacteriology and Hygiene		4-6	4-6	4-6	4-6		Path, Lab, Autumn	
†Clinical Microscopy †Operative Surgery		4-6 4-6	4-6 4-6	4-9 4-6	4-6 4-6	:::::	Path, Lab. Spring Anat, Lab. Spring	

*Alternate weeks M.G.H. and R.V.H.

†Optional.

†Classes taken in groups.

TIME TABLE OF FOURTH YEAR LECTURES.

LECTURES.	Mon.	Tues.	Wed.	Thur.	Fri.	Sat.	Lecture Theatre.
Gynæcology		9					II
Obstetrics			9		11		iii
Medicine		10	†11-12	10	****		iii
Surgery			‡12-1		10		iii
Med. & Surg. Pathology	*****			9			II
Ophthalmology	9	22 300			** ***		
*Out Patients'	11-12	11-12	11-12	11-12	11-12	11-12	R.V.H.
Clinics	12-1	12-1	12-1	12-1	121		M.G.H. R.V.H.
Clinical					2		
Medicine	1						M.G.H.
Clinical		1					M.G.H.
Surgery				2			R.V.H.
Gynæcological Operations		11					R.V.H.
*Clinical	4		4				M.G.H.
Ophthalmology		4			4		R.V.H.
Gynæcological		4		4			M.G.H.
Clinics	11			4			R,V.H.
Morbid Anatomy						†9-11	
Obstetrics						1-2.30	Mater- nity Hosp.
*Dermatological Clinic			2				M.G.H.
Genito-Urinary Clinic		1				3	R.V.H.
*Diseases of Children Clinic		4			4		M.G.H.
*Laryngology	4			1	4		M.G.H.
Medical and Surgical	5				-		Autumn term
Anatomy	5						Winter term.
Children's Diseases	9						Willier term.

^{*}In groups of eight or ten. †In groups of four. ‡Alternate weeks M.G.H. and R.V.H.

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COURSES OF LECTURES.

The Corporation of the University, on the recommendation of the Faculty of Medicine, in 1894, consented to the extension of the courses of lectures in medicine over a period of about nine months instead of six.

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By this means, (1) The students of the primary years have a more ample opportunity of becoming acquainted, by laboratory work, with those branches of study which form the scientific basis of their profession, and (2) the final students will be able to derive the greatest benefit from the abundance of clinical material provided in the two Hospitals.

By this arrangement, while the actual number of didactic lectures per session will be decreased, there will be a corresponding increase in the amount of tutorial work and individual teaching in the laboratories for Chemistry, Physiology, Anatomy, Pathology and Hygiene as well as giving more time, during the last two years of the course, for the thorough study of disease in the wards of the Royal Victoria and Montreal General Hospitals.

The Faculty expects, by thus increasing the time that the different professors, lecturers and demonstrators devote to each student, to accomplish two very important ends: First, to do away with the injurious effects which result from attempting to condense the teaching of medicine and surgery into four or even five sessions of six months; Second, to give each student a sounder and more thoroughly practical knowledge of his profession than could be obtained by attending during even five sessions of six months each.

PROFESSOR, FRANCIS J. SHEPHERD.

LECTURER, J. A. SPRINGLE.

LECTURER and SENIOR DEMONSTRATOR, J. G. McCARTHY.

DEMONSTRATORS

R. TAIT MACKENZIE.
J. A. HENDERSON.
J. J. ROSS.
A. E. ORR.

ASSISTANT DEMONSTRATORS,

A. T. BAZIN.
H. M. CHURCH.
W. G. REILLY.
R. A. WESTLEY.

Anatomy is taught in the most practical manner possible, and its relation to Medicine and Surgery fully considered. The lectures are illustrated by the fresh subject, moist and dry preparations, sections, models and plates, and drawings on the blackboard.

A course of practical demonstrations in Medical, surgical and Topographical Anatomy is also given in the final year of the course.

The department of *Practical Anatomy* is under the direct control and personal supervision of the Professor of Anatomy, assisted by his staff of Demonstrators.

The methods of teaching are similar to those of the best European schools, and Students are thoroughly grounded in this branch.

Every student must be examined at least three times on each part dissected, and no certificate is given unless the examinations are satisfactory.

Special Demonstrations on the Brain, Thorax, Abdomen, Bones, etc., are frequently given. Prizes are awarded at the end of the Session for the best examination on the fresh subject.

The Dissecting Room is open from 9 a. m. to 6 p. m. Abundance of material can be obtained, owing to the Anatomy Act of the Province of Quebec.

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CHEMISTRY.

PROFESSOR, GILBERT P. GIRDWOOD.

The course of this subject is carefully graded. Students of the first year receive lectures on Chemical and Physiological Physics and the general principles and theories of the science. In the second year the course on chemistry is extended to embrace its application to physiology and medicine, and includes a course in Organic Chemistry. The lectures are fully illustrated by experiments, for which the department is equipped with all modern Lecture-room apparatus.

PRACTICAL CHEMISTRY.

PROFESSOR, R. F. RUTTAN.

ASSISTANT DEMONSTRATORS, W. K. BROWN,
A. T. IRVINE,
LABORATORY ASSISTANT, CHARLES STEVENSON.

Laboratory instruction in practical chemistry is given during each of the first three years of study throughout one term.

The first year's course illustrates the general principles of chemical action and the properties of typical elements. During the second year the course will include methods of qualitative analysis and the detection of poisons. In the third year a course of clinical and sanitary chemistry is given, in which the student is made familiar with the application of chemistry to the diagnosis and prevention of disease. Special attention is directed to instructing the student in making accurate notes of his experiments and his conclusions. These notes are examined daily and criticised.

PHYSIOLOGY.

The JOSEPH MORLEY DRAKE, PROFESSOR.—WESLEY MILLS.
LECTURER, W. S. MORROW.
DEMONSTRATORS, J. W. SCANE and A. A. ROBERTSON.

The purpose of this course is to make Students thoroughly acquainted, as far as time permits, with modern Physiology; its methods, its deductions, and the basis on which the latter

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rest. Accordingly a full course of lectures is given, in which the physical, the chemical and other aspects of the subject receive attention.

In addition to the use of diagrams, plates, models, etc., every department of the subject is experimentally illustrated. The experiments are mostly free from elaborate *technique*, and many of them are of a kind susceptible of ready imitation by the Student.

Laboratory work for Senior Students:-

- (1.) During a part of the Session there will be a course on Physiological Chemistry, in which the Student will, under direction, investigate food stuffs, digestive action, blood, and the more important secretions and excretions, including urine. All the apparatus and material for this course will be provided.
- (2.) The remainder of the Session will be devoted to the performance of experiments which are unsuitable for demonstration to a large class in the lecture room, or that require the use of elaborate methods, apparatus, etc., together with such as each individual of the class can himself conduct.

Laboratory work for Junior Students:-

This will be somewhat similar to the course for senior students, but simpler and anatomico-physiological rather than chemical; like the work for second year students, its main object will be the illustration of important physiological principles.

HISTOLOGY,

PROFESSOR, GEO. WILKINS. DEMONSTRATOR, N. D. GUNN.

ASSISTANT DEMONSTRATORS.

HUGH B. FRASER. WALTER B. FISKE. E. R. BROWN. DAVID PATRICK.

The teaching of Histology and Microscopical Methods is spread over two years. During both years practical instruction will be given upon the preparation and mounting of

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Methods is ical instrucnounting of specimens. Students will also be required to make drawings of the specimens prepared by them.

For the first year students, work will commence immediately after the Christmas holidays and continue until the end of the session. The course will consist of laboratory work and demonstrations, with occasional lectures upon elementary and systematic histology up to and including the digestive system. At the end of the session a practical examination will be held on the work done.

The second year students will commence work with the beginning of the session and continue until the Christmas holidays. The course will be a continuation of the first year's work, completing the subject of histology. Demonstrations will be given embracing the whole subject. The examinations will be held at the end of the course and will be both written and practical, and cover the whole of histology.

PHARMACOLOGY AND THERAPEUTICS.

PROFESSOR, A. D. BLACKADER. DEMONSTRATOR, R. A. KERRY.

The lectures on this subject are graded in the following manner:

During the primary course attention is directed chiefly to. Pharmacology, including the important chemical and physical properties of the various drugs, and a brief consideration of their physiological action; therapeutics is considered only in outline. A complete museum of Materia Medica affords the student opportunity for making himself acquainted with the drugs themselves. During the session a course of demonstrations on Practical Materia Medica and Pharmacy is given.

During the final course the psysiological action of drugs is dwelt upon at length, and attention is given to the therapeutic application of all drugs and remedial measures. Prescription writing and the various modes of administering drugs are explained and illustrated. During the course a series of lectures will be delivered in the theatres of the hospitals on special cases or groups of cases, illustrating important points in both general and special Therapeutics.

MEDICINE.

PROFESSOR, JAMES STEWART.

ASSISTANT PROFESSORS,

F. G. FINLEY.
H. A. LAFLEUR.
C. F. MARTIN.

LECTURERS,

G. GORDON CAMPBELL. W. F. HAMILTON.

DEMONSTRATOR, S. RIDLEY MACKENZIE.

While the lectures on this subject are mainly devoted to Special Pathology and Therapeutics, no opportunity is lost of illustrating and explaining the general laws of disease. With the exception of certain affections seldom or never observed in this country, all the important internal diseases of the body, except those peculiar to women and children, are discussed, and their Pathological Anatomy illustrated by the large collection of morbid preparations in the University Museum, and by fresh specimens contributed by the Professor of Pathology.

The College possesses an extensive series of Anatomical plates and models illustrative of the Histological and Anatomical appearances of disease, and the wards of the General and Royal Victoria Hospitals afford the lecturer ample opportunities to refer to living exmples of very many of the maladies he describes, and to demonstrate the results of treatment.

CLINICAL MEDICINE.

PROFESSOR, JAMES STEWART.

ASSOCIATE PROFESSORS, F. G. FINLEY and H. A. LAFLEUR.

ASSISTANT PROFESSOR, C. F. MARTIN.

The instruction in Clinical Medicine is conducted in the theatres, wards, out-patient rooms and laboratories of the Royal Victoria and Montreal, General Hospitals.

The courses include:-

I. The reporting of cases by every member of the Graduating Class, a certain number of beds being assigned to each student.

II. Bedside Class.

III. Two Clin IV. Tutorial i

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V. Instruction

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II. Small ward through the ward II. Bedside instruction for members of the Graduating Class.

III. Two Clinics weekly in each hospital

IV. Tutorial instruction for the Junior Classes, in the wards and out-patient rooms of both hospitals.

V. Instruction in Clinical Chemistry and Bacteriology.

SURGERY.

PROFESSOR, THOMAS G. RODDICK.

LECTURERS,

J. M. ELDER. A. E. GARROW.

This course consists of the Principles and Practice of Surgery and Surgical Pathology, illustrated by a large collection of preparations from the Museum, as well as by specimens obtained from cases under observation at the Hospitals. The greater part of the course, however, is devoted to the Practice of Surgery, in which attention is constantly drawn to cases which have been observed by the class during the session. The various surgical appliances are exhibited, and their uses and application explained. Surgical Anatomy and Operative Surgery form special departments of this course.

CLINICAL SURGERY.

PROFESSOR, JAMES BELL.
ASSOCIATE PROFESSOR, GEORGE E. ARMSTRONG.

LECTURERS,

J. M. ELDER. A. E. GARROW. J. A. HUTCHISON.

DEMONSTRATOR, KENNETH CAMERON.

The teaching in Clinical Surgery is conducted at the Montreal General and Royal Victoria Hospitals.

I. In the amphitheatre of each of these Hospitals, demonstrations are given and operations are performed before the senior and junior classes on alternate days.

II. Small ward classes of about ten men in each are taken through the wards by the surgeon in attendance, and in-

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III. Beds are assigned to students in rotation, and each student is required to carefully study and report cases and to assist in the surgical dressing of the same. Certificates of case reporting are given, and are essential for graduation.

IV. In the Out-patient Department students have an exceptionally good opportunity to study a great variety of injuries, to witness operations in minor surgery, to come into cerned is first discu personal contact with patients and to take part in the applical ination are fully of tion of a variety of surgical dressings and appliances.

OBSTETRICS AND DISEASES OF INFANTS.

PROFESSOR, J. CHALMERS CAMERON. LECTURER, D. J. EVANS.

ASSISTANT DEMONSTRATORS, JAMES BARCLAY.

This course will embrace: (1) Lectures on the principles and practice of the obstetric art, illustrated by diagrams, fresh and preserved specimens, the artificial pelvis, complete set of models illustrating deformities of the pelvis, wax prepara tions, bronze mechanical pelvis, etc. (2) Bedside instruction in the Montreal Maternity, including external palpitation pelvimetry, the management and after-treatment of cases (3) A complete course on obstetric operations with the phan tom and peserved foetuses. (4) The diseases of infancy. A course of individual clinical instruction at the Montres Maternity.

Arrangements have now been made for a graded course it Obstetrics, instruction being given separately to third year and final students.

Particular attention is given to Clinical instruction, and Clinical examination in Midwifery similar to that held i Medicine and Surgery now forms part of the final exam nation.

A short course of lectures on disease of infancy is given supplemented by Clinical demonstration and ward work.

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GYNÆCOLOGY.

PROFESSOR, WM. GARDNER. LECTURER, F. A. M. LOCKHART. DEMONSTRATOR, J. D. CAMERON.

The didactic course is graded, and consists of from forty to forty-five lectures given at intervals alternating with the lectures of Obstetrics and extending throughout the session. The anatomy and physiology of the organs and parts cony, to come into cerned is first discussed. Then the various methods of exammation are fully described, the necessary instruments exhipited, and their uses explained.

> The diseases peculiar to women are considered as fully as ime permits, somewhat in the following order:—Disorders of Menstruation; Leucorrhoea; Diseases of the External Gental Organs; Inflammations, Lacerations and Displacements of the Uterus; Pelvic Cellulitis and Peritonitis and Inflammations of the Ovaries and Fallopian Tubes; Benign and Maignant growths of the Uterus; Tumors of the Ovary; Disases of the Bladder and Urethra. The lectures are illustrated as fully as possible by drawings and morbid specimens.

> Clinical teaching, including out-patient and bed-side instruction, is given at both Royal Victoria and Montreal General hospitals by Professor Gardner and Doctors Lockhart and Webster. A large amount of Clinical material is thus available for practical instruction in this department of medicine. Numerous operations are done before the class, and made the subject of remarks. In addition to the ward-patients, each hospital conducts a large out-patient Gyaecological Clinic, to which advanced students are admitted in rotation and instructed in digital and bi-manual examination and in the use of instruments, for diagnosis.

> Particular attention is thus given to Clinical instruction, and a Clinical examination in Gynaecology similar to that held in Medicine and Surgary now forms part of the final examination.

MEDICAL JURISPRUDENCE.

PROFESSOR, GEO. WILKINS.

This course includes Insanity, the subject being treated of n its Medical as well as Medico-Legal aspects. Special at-

tention is devoted to the subject of blood stains, the clinical microscopic and spectroscopic tests for which are fully described and shown to the class. The various spectra of blood in its different onditions are shown by the Microspectroscope, so well adapted for showing the reactions with exceedingly minute quantities of suspected material. Recent researches in the diagnosis of human from animal blood are alluded to. In addition to the other subjects usually included in a course of this kind, Toxicology is taken up. The modes of action of poisons, general evidence of poisoning and classification of poisons are first treated of, after which the more common poisons are described, with reference to symptoms, postmortem appearances and chemical tests. The post-mortem appearances are illustrated by plates, and the tests are shown to the class. A series of demonstrations and Clinics will be given by Prof. Johnston on the Medico-Legal cases arising out of the coroner's court, as well as those in the Montreal General Hospital. In this way Students will have practical clinical instruction in methods of Medico-Legal investigation in civil as well as in criminal cases.

OPHTHALMOLOGY AND OTOLOGY.

PROFESSOR, F, BULLER.

LECTURERS, $\begin{cases} J. & J. & GARDNER. \\ J. & W. & STIRLING. \end{cases}$

This will include a course of twenty-five lectures on diseases of the Eye and Ear, both didactic and clinical. In the former, the general principles of diagnosis and treatment will be dealt with, including three lectures on the errors of refraction and faults of accommodation. At the clinical lectures given in the Hospitals cases illustrative of the typical forms of ordinary diseases of the Eye and Ear will be exhibited and explained to the class. In the out-patients' department of each Hospital students have excellent opportunities of gaining clinical experience.

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BIOLOGY.

D. P. PENHALLOW, PROFESSOR BOTANY. E. W. MACBRIDE, "ZOOLOGY.

The course in elementary Biology is designed to prepare for special study in medical subjects. Under the supervision of the professors of Botany and Zoology it will be given during the autumn term—zoology first eight weeks; botany, last four weeks.

A.—Animal Biology.

The Course in Animal Biology will discuss the fundamental properties of protoplasm; the principles of the formation of tissues; the formation of organs; an outline of veretebrate structure and function, as exemplified by Paramecium and Vorticella, Hydra, Lumbricus and the Dog-fish.

Two lectures and one laboratory period each week.

B.—Plant Biology.

The Course in Plant Biology will deal chiefly with the general properties of cytoplasm; the structure and nature of the plant cell; movement; nutrition; respiration; fixation of carbon; division of labor and origin of organs; evolution of plant forms. These principles will be illustrated in their more simple forms by a Myxomycete, Pleurococcus, Spirogyra and Oedogonium, Fucus, Saccharomyces and Pteris.

Two lectures and one demonstration each week.

PATHOLOGY.

The SIR DONALD SMITH, PROFESSOR,—J. G. ADAMI.

LECTURER, A. G. NICHOLS.

 $\begin{array}{c} D. \ D. \ MACTAGGART, \\ D. \ P. \ ANDERSON. \end{array}$

FELLOWS, W. W. FORD and J. McCRAE.

The following courses constitute the teaching on this subject:—

I. A course of General Pathology for Students of the Third Year (optional for those of the Fourth). Lectures are dewered twice weekly throughout the year.

2. A course of demonstrations in the performance of Autopsies for Students of the Third Year. The demonstrations are held once a week, from October until Christmas.

3. Demonstrations upon the Autopsies of the week for Students of the two final years. These are given during the session by Dr. Adami at the Royal Victoria Hospital, and by Dr. Wyatt Johnston at the General Hospital.

Practical Courses.

4. The performance of autopsies. Each student is required to take an active part in at least six autopsies. The autopsies are conducted at the General and Royal Victoria Hospitals by the Pathologists of the Hospitals and their assistants. In addition to the actual performance of the section cadaveris, students are expected to attend the practical instruction given in connection with each autopsy, in the method of preparation and microscopic examination of the removed tissues, so as to become proficient in methods of preparation, staining and mounting.

5. A practical course in Morbid Histology for Students of the Third Year. This class is held once a week during the winter months. Six sections are as a rule distributed at each meeting of the class so that each student obtains a large and representative series of morbid tissues, and upon an average twenty minutes are devoted to the description and examination of each specimen. Laboratory fee to cover cost of slides,

reagents, microscope, etc., \$5.

6. A course of demonstrations upon Morbid Anatomy (Museum specimens) once weekly during the winter months, for

students of the Fourth Year.

In addition to the above the staff of the department give instruction to the more advanced students who desire to undertake any special work in the laboratories. Classes in clinical pathology and microscopy are given from time to time at the Pathological Laboratory and at the General and Royal Victoria Hospitals under the direction of the Professors of Clinical Medicine. In connection with this department, two researches and teaching fellowships have been established; one by the Faculty of Medicine and one by the Governors.

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DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE.

The SIR DONALD SMITH PROFESSOR,—ROBT. CRAIK.

SANITATION AND PROF. ROBT. CRAIK.

PREVENTIVE MEDICINE, PROF. WYATT JOHNSTON.

SANITARY CHEMISTRY, PROF. R. F. RUTTAN.

BACTERIOLOGY, PROF. J. G. ADAMI.

(H. B. YATES.

The Department of Public Health and Preventive Medicine has, owing to its endowment by Sir Donald A. Smith, been made one of the most important subjects of the third year.

A. J. WILLIAMS.

The instruction will consist of two lectures per week for the whole session. A systematic course in Bacteriology and Preventive Medicine, including Serum Therapy, will be followed by courses on the sanitary relations of water, soil, food and air, the use and relative value of disinfectants, domestic sanitation, including plumbing, heating, ventilation, the construction of habitations, etc., and will be illustrated by models and special apparatus. Lectures will also be given on personal hygiene, including bathing, exercise, etc., and on climate and health resorts. In addition to the course of systematic lectures, laboratory courses will be given in the Pathological and Chemical laboratories on Bacteriology and sanitary Chemistry. The laboratory work will extend over a period of three months, and will be given twice weekly.

A working museum and model room is equipped with working models and apparatus to illustrate the application of hygienic principles. Demonstrations will be given in the hygienic museum from time to time as required. (See Museums.)

LARYNGOLOGY AND RHINOLOGY.

PROFESSOR, H. S. BIRKETT.
DEMONSTRATOR, H. D. HAMILTON.

This course will consist of practical lessons in the use of the Laryngoscope and Rhinoscope. The instruction will be carried on with small classes, so that individual attention may be insured. A limited number of clinical lectures bearing upon interesting cases attending the clinic will be delivered during the session. These lectures will be, however, of an eminently practical nature.

MENTAL DISEASES.

PROFESSOR T. J. W. BURGESS.

This course will comprise a series of lectures at the University on Insanity in its various forms, from a medical as well as from a medico-legal standpoint. The various types of mental diseases will be illustrated by cases in the Verdun Asylum, where clinical instruction will be given to groups of senior students at intervals throughout the session.

DISEASES OF INFANIS AND CHILDREN.

PROFESSORS,

A. D. BLACKADER.
J. C. CAMERON.

Although this subject does not constitute a special chair in the University, systematic instruction is given (a) in connection with the chair of Obstetrics and Diseases of Infants, by Prof. Cameron; (b) by a course of lectures, clinical and didactic by Prof. Blackader, and (c) through the Children's Clinic at the Montreal General Hospital and at the Infants' Home.

IV.

DOUBLE COURSES.

By special arrangements with the Faculty of Arts, it is now possible for students to obtain the double degree of B.A., and M.D., C.M., after only six years of study.

It has been decided to allow the Primary subjects (Anatomy, Physiology and Chemistry) in medicine to count as Honor subjects of the third and fourth years in Arts. It follows then that at the end of four years' study a student may obtain his B.A. degree and have two years of his medical course completed.

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rts, it is now of B.A., and

to count as Arts. It folstudent may his medical .The remaining two years of study are devoted to the third and fourth year subjects in Medicine.

The special provisions for Medical Students in the Arts course are as follows:—

During the first two years in the Faculty of Arts students taking the double course will complete their studies in Biology, Physics and Elementary Chemistry.

I. In the Third Year:-

- (a) Anatomy and Practical Anatomy, Histology and Physiology, of First Year Medicine.
- (b) Either one or two of the courses which are not placed under the heading "Science" in the Arts curriculum.
- (c) Either one or two hours weekly in English Composition.*

II. In the Fourth Year:-

- (a) Anatomy and Practical Anatomy, Histology, Phy siology, Chemistry, of Second Year Medicine.
- (b) One of the courses which are not placed under the heading "Science" if only one has been taken in the Third Year.
- (c) One hour weekly in English Composition, if only one has been taken in the Third Year.*

*NOTE.—Students are recommended to distribute their English work over two years.

To secure these privileges, certificates of registration in the Medical Faculty must be presented at the beginning of each year to the Dean of the Faculty of Arts; and at the end of each session in the first two years certificates of attendance on lectures and of passing the corresponding examinations must also be presented. At the end of the Third and Fourth Years certificates must be presented to show that the full curriculum of the Medical Faculty for the year has been completed.

A certificate of Licentiate in Arts will be given along with the professional degree in Medicine to those who, previous to entrance upon their professional studies proper, have completed two years in the Faculty of Arts, and have duly passed the prescribed examinations therein.

GRADUATE AND ADVANCED COURSES.

The Faculty of Medicine in 1896 established post-graduate and special courses in connection with the Montreal General and Royal Victoria Hospitals and the various laboratories in the University buildings. These courses will be continued

in 1901.

There will be two distinct sets of courses, one a short practical and clinical course for medical men in general practice who desire to keep in touch with recent advances in Medicine, Surgery and Pathology, and who wish special clinical experience in Gynaecology, Ophthalmology, Laryngology, etc. This course will last about six weeks, beginning 'about the first of

A special detailed programme will be prepared, and will be sent on application in February next. The fee, including

hospital fees for both hospitals, is fifty dollars.

The other courses will be for those who have just completed their regular course in Medicine, and desire special Laboratory or Clinical teaching before beginning practice.

Arrangements have also been made to accommodate a limited number of such graduates who desire advanced and re-

search work.

Commodious laboratories for advanced work have been equipped in connection with the Pathological and Clinical departments of both the Royal Victoria and Montreal General Hospitals, and in connection with the general laboratories for Pathology, Pharmacology, Physiology and Chemistry, recently altered and extended in the new buildings of the Faculty.

Recent graduates of recognized universities desiring to qualify for examinations by advanced laboratory courses, or who wish to engage in special research, may enter at any time by giving a month's notice, stating the courses desired

and the time at their disposal.

All the regular clinics and demonstrations of both hospitals

will be open dergradutes i These labo 1st, 1806.

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The course

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(B.) - LABOTIONS. – The to mid-day, an Modern treatm wifery, Prof. J Medico-Legal. ical use of Roes Graphic ethod icine, Prof. V the Cadaver, I Anatomy, Drs. and Urinalysis, diseases, Prof. Dr. Evans.

(C.) - MEDI four days each

will be open to such students on the same conditions as undergradutes in medicine of this University.

These laboratories have been open for graduates since May 1st, 1896.

Further details regarding courses, fees, etc., may be obtained on application to the Registrar.

THE GRADUATE COURSE OF 1900.

The Faculty of Medicine has just completed the Fifth special course of instruction for general practitioners. This course began Tuesday, May 2nd, and closed June 10, 1900.

The course consisted of:-

(A.)—LABORATORY COURSES.—Systematic laboratory instruction was given from 9 to 10.30 every morning in Microscopical Methods, Clinical Microscopy and Clinical Bacteriology, including the histology of blood in disease and serum diagnosis. These courses were conducted by Profs. Adami and Wyatt Johnston, assisted by Drs. C. F. Martin, N. D. Gunn, Nichols, Anderson and Yates. A course of Operative Surgery on the cadaver was given by Prof. Armstrong from 8 to 9 a.m. during the second, third and fourth weeks of the course.

(B.)—LABORATORY AND SPECIAL DEMONSTRATIONS.— These demonstrations were given daily from 10.30 to mid-day, and consisted of one or more of the following: Modern treatment of Diphtheria, Prof. Finley; Operative Midwifery, Prof. J. C. Cameron; Mental Diseases, Dr. Burgess; Medico-Legal Autopsy Methods, Prof. Wyatt Johnston; Clinical use of Roentgen Rays, Prof. Girdwood; Illustrations of the Graphic ethod as applied to Physiology and Clinical Medicine, Prof. W. Mills; Anatomical Demonstration on the Cadaver, Drs. McCarthy and Tait McKenzie; Surgical Anatomy, Drs. Elder and J. Henderson; Clinical Chemistry and Urinalysis, Prof. Ruttan; Morbid Anatomy of certain diseases, Prof. Adami; Infant feeding (Modified Milk, etc.), Dr. Evans.

(C.) - MEDICAL AND SURGICAL CLINICS. - For four days each week, during the first two hours of the after-

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noon, there were clinics on groups of cases in the wards of the Montreal General and Royal Victoria Hospitals. Those given in the Medical Wards of the Montreal General Hospital were given by Profs. Blackader and Lafleur; in the Surgical Wards, by Prof. Shepherd and Dr. Elder; in the Royal Victoria Hospital Medical Wards, by Prof. Stewart and Dr. C. F. Martin; in the Surgical Wards, by Prof. Bell and Dr. Garrow. In addition two or three ward classes were given weekly.

(D.)—CLINICS IN SPECIAL DEPARTMENTS OF ME-**DICINE AND SURGERY.** — One or more of these clinics were given in the Hospitals each afternoon, after the regular Medical or Surgical Clinic, and during the entire afternoon on Wednesday and Saturday of each week. The following special Clinics were given: Ophthalmology in the Royal Victoria Hospital, by Prof. Buller; in the Montreal General Hospital, by Dr. J. Gardner; Dermatology, Prof. Shepherd; Genito-Urinary Surgery, Prof. Bell; Orthopedics, Dr. C. W. Wilson; Laryngology, Prof. Birkett and Dr. Hamilton; Gynaecology, Prof. Wm. Gardner and Dr. Chipman in the Royal Victoria Hospital, and Dr. Lockhart in the Montreal General Hospital; Aseptic Midwifery (at the Montreal Maternity Hospital), Prof. J. C. Cameron; Diseases of Children, Prof. Blackader and Dr. G. G. Campbell.

The above course of instruction is given wholly apart from the regular lectures, clinics, etc., for undergraduates in medicine, and the Graduates may enter on the course at any time

between May 1st and June 15th.

Practitioners who purpose attending this course may obtain programme of course for 1901 on application after March next to the Registrar.

DIPLOMA COURSE IN PUBLIC HEALTH.

The Faculty of Medicine in the session of 1899-1900 instituted a graduate course in Public Health and Sanitary Science. This course will be given each year and the diplomas conferred at the annual convocation.

Candidates undertaking this Course must have possessed a degree in Medicine or other qualification of practice for at least twelve months before the candidate is competent to receive the d

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possessed ctice for at etent to receive the diploma. The following are the courses resquisite:

I. Course of lectures in Public Health (to be omitted in the case of candidates who have attended such a course before graduation).

2. A three months' course of instruction upon infective and parasitic diseases of man and the domestic animals, which course shall include practical work in a bacteriological laboratory.

3. A six months' course of practical study of outdoor sanitary work under a medical officer of health (to be omitted in the case of medical health officers holding appointments prior to the establishment of this diploma course).

4. Three months' attendance and clinical instruction at a hospital for infectious diseases (unless such course has already been taken prior to graduation).

5. Three months' instruction in sanitary chemistry and physics with practical work in a chemical laboratory.

Examination for Diploma shall cover the following subjects:—

I. Examination of clinical cases at an infectious hospital.

2. The drawing up of outlines for annual and other reports of officers of health.

3. Report upon the sanitary condition of some actual locality.

4. The chemical analysis of liquids and gases and of specimens of food.

5. Demonstration of the consideration and use of meteorological hygienic and sanitary apparatus.

6. Microscopical examination of specimens submitted.

7. Description of specimens of human and other diseased tissues.

8. Practical examination in the employment of the usual bacteriological methods.

9. The inspection of carcases of animals to be used for food.

The above examination shall be written and oral and practical, and shall extend over a period of four days.

The following is a list of subjects included in the curriculum of study:—

(a) Sanitary Chemistry, examination of air, gases, water, the

action of water on metals, milk and food; detection of poisons in articles of dress and of decoration; the chemistry of sewage.

(b) Sanitary Physics: Hydrodynamics, pneumatics and hydraulics applied to hygiene, light and photometry; heat and thermometry; the principles of hygrometry.

(c) Sanitary Legislation: Statutes and by-laws relating to public health; the powers of public sanitary authorities.

(d) Bacteriology and Parasitology: Modes of propagation of disease and transmission of disease between man and man, and man and animals; bacteriological analysis in relation to public health matters; natural history of microbes and animal parasites.

(e) Vital Statistics: Calculation and tabulation of returns

of births, marriages, and deaths and diseases.

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(f) Nosology: Definition in nomenclature and classification of disease.

(g) Meteorology and Climatology: The geographical and topographical distribution of disease.

(h) Preventive Medicine and Practical Sanitation.

The fee for the Diploma of the first session shall be \$10.

1st. No one to the Degree c shall not have

months' sessio College or Scho 2nd. Studer on production shall be require

Subjects in the 3rd. Gradus General Chemi Biology, includ ary Physiology brata, may, at second-year Stent to the first however, not kin Anatomy utwo sessions.

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VI.

QUALIFICATIONS FOR THE DEGREE.*

1st. No one entering after September, 1894, will be admitted to the Degree of Doctor of Medicine and Master of Surgery who shall not have attended Lectures for a period of four nine months' sessions in this University, or some other University, College or School of Medicine, approved of by this University.

2nd. Students of other Universities so approved and admitted on production of certificate to a like standing in this University shall be required to pass all Examinations in Primary and Final Subjects in the same manner as Students of this University.

3rd. Graduates in Arts who have taken two full courses in General Chemistry, including Laboratory work, two courses in Biology, including the subjects of Botany, Embryology, Elementary Physiology and dissection of one or more types of Vertebrata, may, at the discretion of the Faculty, be admitted as second-year Students, such courses being accepted as equivalent to the first-year in Medicine. Students so entering will, however, not be allowed to present themselves for examination in Anatomy until they produce certificates of dissection for two sessions.

4th. Candidates for Final Examination shall furnish Testimonials of attendance on the following branches of Medical Education. ‡ viz:

ANATOMY.
PRACTICAL ANATOMY.
PHYSIOLOGY.
CHEMISTRY.
PHARMACCLOGY AND THERAPEUTICS.
PRINCIPLES AND PRACTICE OF SURGERY.
OBSTETRICS AND DISEASES OF INFANTS.
GYNÆCOLOGY.
THEORY AND PRACTICE OF MEDICINE.
CLINICAL MEDICINE.
CLINICAL SURGERY.
MEDICAL JURISPRUDENCE.
GENERAL PATHOLOGY.

Of which Two full Courses will be required.

GENERAL PATHOLOGY.
HYGIENE AND PUBLIC HEALTH.
PRACTICAL CHEMISTRY.
OPHTHALMOLOGY AND OTOLOGY.
BIOLOGY.
HISTOLOGY.
PATHOLOGICAL ANATOMY.
BACTERIOLOGY.
MENTAL DISEASES.
PEDIATRICS.
MEDICAL AND SURGICAL ANATOMY.

Of which One full Course will be required.

Of which One Course will be required.

‡ Provided, however, that Testimonials equivalent to, though not precisely the same as those above stated, may be presented and accepted.

^{*} It shall be understood that the programme and regulations regarding courses of study and examinations contained in this calendar hold good for this calendar year only, and that the Faculty of Medicine, while fully sensible of its obligations towards the students, does not hold itself bound to adhere absolutely, for the whole four years of a student's course, to the conditions now laid down.

[†] Students enregistered in the Province of Quebec are required to attend and pass examinations in Laryogology and Minor Surgery.

He must also produce Certificates of having assisted at six Autopsies, of having dispensed Medicine for a period of three months, and of having assisted at twenty Vaccinations.

5th. Courses of less length than the above will only be received for the time over which they have extended.

6th. No one will be permitted to become a Candidate for the degree who shall not have attended at least one full Session at this University.

7th. The Candidates must give proof of having attended during at least twenty-four months the practice of the Montreal General Hospital or the Royal Victoria Hospital or of some other Hospital of not fewer than 100 beds, approved of by this University. Undergraduates are required to attend only the practice of the Out-Patient departments of the Hospitals during their second year.

8th. He must give proof of having acted as Clinical Clerk for six months in Medicine and six months in Surgery in the wards of a general hospital recognized by the Faculty, of having reported at least 10 medical and 10 surgical cases.

9th. He must also give proof by ticket of having attended for at least nine months the practice of the Montreal Maternity or other lying-in-hospital approved of by the University, and of having attended at least six cases.

10th. Every candidate for the degree must, on or before the 15th day of May, present to the Registrar of the Medical Faculty testimonials of his qualifications, entitling him to an examination, and must at the same time deliver to the Registrar of the Faculty an affirmation or affidavit that he has attained the age of twenty-one years.

11. The trials to be undergone by the Candidate shall be in the subjects mentioned in Section 4.

12. The following oath of affirmation will be exacted from the Candidate before receiving his degree:

SPONSIO ACADEMICA.

In Facultate Medicinæ Universitatis.

Ego, A—B—,Doctoratus in Arte Medica titulo jam donandus, sancto coram Deo cordium scrutatore, spondeo:—me in omnibus grati animi officiis erga hanc Universitatem ad extremum vitæ halitum perseveraturum; tum poro artem medicam caute, caste, ot probe exercit*turum; et quoad in me est, omnia ad ægrotorum corporum salutem corducentia cum fide procuraturum; quæ denique, inter medendum, visa vel audita silere conveniat, non sine gravi causa vulgaturum. Ita praesens mil:1 spondenti adsit Numen.

13th. The fee for the Degree of Doctor of Medicine and Master of Surgery shall be thirty dollars, to be paid by the successful candidate immediately after examination.

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VII.

EXAMINATIONS.

Frequent oral examinations are held to test the progress of the Student, and occasional written examinations are given throughout the Session.

The Pass and Honor examinations at the close of each Session are arranged as follows:—

First Year.

Examinations in BIOLOGY, HISTOLOGY, PHYSIOLOGY, ANATOMY, CHEMISTRY Theoretical and Practical.

Students who have taken one or more university courses in Botany or Chemistry before entering may be exempted from attendance and examination. Students exempted in their first year subjects are allowed only a pass standing, but may present themselves for examination if they desire to attain an honor standing.

Second Year.

Examinations in ANATOMY, CHEMISTRY, PRACTICAL CHEMPEUTICS.

Third Year.

Examinations in Pharmacology and Therapeutics, Meistry, Physiology, Histology, Pharmacology and Theradical Jurisprudence, Public Health and Preventive Medicine (including Bacteriology), General Pathology, Mental Diseases, Clinical Chemistry, Obstetrics, Medicine and Surgery.

Fourth Year.

Examinations in Medicine, Surgery, Obstetrics, Gynæcology, Opthalmology, Clinical Medicine, Clinical Surgery, Clinical Obstetrics, Clinical Gynæcology, Clinical Opthalmology and Practical Pathology.

By means of the above arrangement a certain definite amount of work must be accomplished by the student in each year, and an equitable division is made between the Primary and Final branches.

A minimum of 50 per cent. in each subject is required to Pass

and 75 per cent. for honors.

Candidates must pass in all the subjects of each year; those who fail to pass in not more than two subjects of either the first, second or third years may be granted a supplemental examination at the beginning of the following session.

Supplemental examinations will not be granted, except by special permission of the Medical Faculty, and on written application stating reasons, and accompanied by a fee of \$5.00

for each subject.

No candidate will be permitted, without special permission of the Faculty, to proceed with the work of the final year until he has passed all the subjects comprised in the Primary examination.

No Student will be allowed to present himself for his final examinations who has not certificates of having passed all

his Primary examinations in this University.

Candidates who fail to pass in a subject of which practical courses are required may, at the discretion of the Faculty, be required to repeat the course, and furnish a certificate of attendance thereon. A course in Practica. Anatomy will be accepted as equivalent to a third course of lectures in General and Descriptive Anatomy.

VIII.

FELLOWSHIPS, MEDALS AND PRIZES.

The Faculty has begun to establish Teaching and Research Fellowships in connection with the various laboratories.

These fellowships are of a value of five hundred dollars

per annum, and are tenable for three years.

Two are now established in connection with the department of Pathology—a Governor's Fellowship endowed by one or two of the Governors of the University, and a Faculty Fellowship established by the Faculty. Other Fellowships will be announced as they are established.

1st. The "HOLMES GOLD MEDAL," founded by the

Medical Faculty Andrew Holmes of Medicine. It class who receiv in the different lum.

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Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., late Dean of the Faculty of Medicine. It is awarded to the student of the graduating class who receives the highest aggregate number of marks in the different branches comprised in the Medical Curriculum.

The Student who gains the Holmes' Medal has the option of exchanging it for a Bronze Medal, and the money equivalent of the Gold Medal.

2nd. THE FINAL PRIZE.—A Prize in Books (or a Microscope of equivalent value) awarded for the best examination, written and oral, in the Final branches. The Holmes' medalist is not permitted to compete for this prize.

3rd. THE THIRD YEAR PRIZE.—A Prize in Books awarded for the best examination, written and oral, in the branches of the third year.

4th. THE SECOND YEAR PRIZE.—A prize in books for the best examination in all the branches of the second year in course.

5th. THE FIRST YEAR PRIZE.—A prize in books for the best examination in all the branches of the first year in course.

6th. The "SUTHERLAND GOLD MEDAL," founded in 1878 by the late Mrs. Sutherland in memory of her late husband, Professor William Sutherland, M.D. It is awarded for the best examination in General and Medical Chemistry, together with creditable examination in the primary branches. The examination is held at the end of the third year.

7th. The "CLEMESHA PRIZE IN CLINICAL THERAPEUTICS," founded in 1889 by John W. Clemesha, M.D., of Port Hope, Ont. It is awarded to the student making the highest marks in a special clinical examination.

IX.

FEES.

The total Faculty Fees for the whole medical course of four full sessions, including clinics, laboratory work, dissecting material and reagents, will be five hundred dollars, payable in four annual instalments of \$125 each.

For the convenience of the undergraduates, the Hospital fees are payable in the Registrar's office at the University. Ten dollars to be paid at the beginning of each of the last three sessions, viz., the second, third and fourth years. This will entitle each undergraduate to perpetual tickets for both the Montreal General and Royal Victoria Hospitals.

Partial students will be admitted to one or more courses on payment of special fees. An annual University fee of three dollars is charged students of all the faculties for the main-

tenance of college grounds and athletics.

Students repeating the course of study of any Academic session are not required to pay full fees. A fee of twenty-five dollars will be charged, which will include Hospitals, dissecting material, chemical reagents, laboratory fees, etc. The same fee is charged students entering from other colleges who have already paid elsewhere fees for the courses taken.

It is suggested to parents or guardians of students that the fees be transmitted direct by cheque or P. O. Order to the Registrar, who will furnish official receipts.

All fees are payable in advance to the Registrar, and except by permission of the Faculty will not be received later than October 20th.

For Graduation Fees, see page 252. For Hospital Fees, see pages 266, 267, 270.

X.

TEXT BOOKS.

Anatomy.—Gray, Morris, Quain (Eng. Ed.), Gervish.

Practical Anatomy.—Cunningham's Practical Anatomy,
Ellis' Demonstrations, Holden's Dissector and Landmarks.

Physics.—Balfour Stewart.

INORGANIC CHEMISTRY.—Remsen, Wurtz's Elementary Chemistry.

ORGANIC CHEMISTRY.—Remsen. PRACTICAL CHEMISTRY.—Odling.

PHARMACOLOGY and Wood. Physiology.—F ners, Mills' Physiology, Laboratory 1 PATHOLOGY.—Ze PRACTICAL PATH Prudden, Bo BACTERIOLOGY.— HISTOLOGY.--Kle tology, Stohr Surgery.—Holm American Te PRACTICE OF MEI CLINICAL MEDICI Klemperer, 1 Diagnosis. MEDICAL JURISPR MENTAL DISEASE 4th Ed. OBSTETRICS.-- Jew DISEASES OF CHIL GYNÆCOLOGY.—H lev on Disease HYGIENE.—Parks. BIOLOGY, BOTANY Physiology; Z tion to Zoolog OPTHALMOLOGY.-OTOLOGY.—Pritch: LARYNGOLOGY.-W wald's Atlas of

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PHARMACOLOGY and THERAPEUTICS.—Butler, White, Hare and Wood.

Physiology.—Foster and Shore's Physiology for Beginners, Mills' Textbook of Animal Physiology, Foster's Physiology, G. N. Stewart's Physiology, Mills' Class Laboratory Exercises.

PATHOLOGY.—Zeigler, Coats'.

PRACTICAL PATHOLOGY.—Mallory and Wright, Delafield & Prudden, Boyce.

BACTERIOLOGY.—Muir & Ritchie, Abbott.

HISTOLOGY.—Klein's Elements, Schafer's Essentials of Histology, Stohr.

Surgery.—Holmes, Moullin, Walsham, Erichsen, Treves, American Text-Book of Surgery, Da Costa.

PRACTICE OF MEDICINE.—Osler, Tyson, Wood and Fitz.

CLINICAL MEDICINE.—Musser's Medical Diagnosis; Simon, Klemperer, Rainy and Hutchison, Vierort's Medical Diagnosis.

MEDICAL JURISPRUDENCE.—Reese, Guy and Ferrier.

Mental Diseases.—Insanity and its Treatment, Blandford, 4th Ed.

OBSTETRICS.--Jewett, and American Text Book.

DISEASES OF CHILDREN.—Holt, Rotch, Smith and Starr.

GYNÆCOLOGY.—Hart and Barbour, Garrigues, Webster, Dudley on Diseases of Women.

Hygiene.—Parks, Wilson, Rohe.

BIOLOGY, BOTANY.—Gray's Text Book of Histology and Physiology; Zoology, Shipley and Macbrides' Introduction to Zoology.*

OPTHALMOLOGY.—De Schweinitz, Nettleship and Swanzy.

OTOLOGY.—Pritchard, Dalby.

LARYNGOLOGY.—Watson Williams and Karl Seiler, Grumwald's Atlas of Diseases of Larynx.

OPERATIVE SURGERY .- Jacobson, Treves, Kocher.

DERMATOLOGY.-Malcolm Morris, Hyde, Crocker, Unna.

MEDICAL DICTIONARY.—Gould, Dunglison, Hoblyn.

^{*} Each student will be required to pay \$2.50 in order to cover the cost of a class book and other necessaries which are supplied to him and become his property.

XI.

MUSEUMS.

The Faculty has during recent years devoted special attention to the development of its museums in the several departments in which objective teaching is of especial value in the education of the student.

There are now four museums in the Medical Building: (1) the Museum of Pathology, (2) the Anatomical Museum, (3) the Museum of Public Health and Preventive Medicine, (4) the Museum of Pharmacy.

Each collection is arranged and selected with the primary object of making it a teaching museum. The several collections are open to students and the public between 9 a.m. and 5 p.m.

PATHOLOGICAL MUSEUM.

PROF. J. G. ADAMI, DIRECTOR.

MAUD E. ABBOTT, B.A., M.D., ASSISTANT CURATOR.

M. JULES BAILLY, OSTEOLOGIST AND ARTICULATOR.

For the past fifty years the rich Pathological Material furnished by the Montreal General Hospital has been collected here. The Faculty is also greatly indebted to many medical men throughout Canada and different parts of the world for important contributions to the Museum.

During the past few years, numerous and extremely important additions have been made to the Medical Museum.

It is particularly rich in specimens of Aneurisms. In addition to containing a large number of the more common varieties of these formations, there are specimens of such rare conditions as Aneurism of the Hepatic and Superior Mesentric Arteries, Traumatic Aneurism of the Vertebral, together with several of the cerebral and pulmonary arteries. The most important collection probably in existence of hearts affected with "Malignant Endocarditis" is also found. The Faculty are indebted to Prof. Osler, late of this University, for this collection.

The Museum c ent forms of calc Prof. Fenwick for

During the past culator (lately wit arranging and mo of disease and inj ing for years. In of fractures and d genital dislocation tiple exostoses, etc

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This Museum has cruing through the Lord Strathcona and

The museum at pr the number and exce The Museum contains also a very large collection of different forms of calculi. The Faculty are mainly indebted to Prof. Fenwick for this collection

During the past seven years, M. Bailly, osteologist and articulator (lately with Tramond of Paris), has been engaged in arranging and mounting the very large number of specimens of disease and injuries of bones which have been accumulating for years. In this collection are to be found examples of fractures and dislocations of the spine, osteoporosis, congenital dislocation of the hip, fracture of the astragalus, multiple exostoses, etc., etc.

The Pathological Museum has recently undergone complete alteration. All the old fixtures have been removed, a new gallery has been erected about both rooms, reached by a single staircase in a small intermediate room in which is placed the medico-legal collection.

The first room on entering contains the extensive bone collection and calculi. The second and larger room is reserved for the moist preparations, which are arranged so as to be of easy access for the student. Water color drawings made from the fresh specimens are mounted on swinging frames, and also form a frieze at the ceiling. These serve to recall the fugitive colors of those preparations which become more or less altered on keeping.

Numerous specimens have been contributed from the surgical and medical wings of the Royal Victoria Hospital, and from the different departments of the Montreal General Hospital.

MUSEUM OF PUBLIC HEALTH AND PREVENTIVE MEDICINE.

DIRECTOR, R. F. RUTTAN.

MUSEUM ASSISTANT, CHARLES STEVENSON.

This Museum has been established from the interest accruing through the endowment of the Chair of Hygiene by Lord Strathcona and Mount Royal in 1893.

The museum at present is chiefly of interest on account of the number and excellence of the working models, illustrating

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the best modern methods of stertilisation, disinfection, filtration and ventilation, together with a very useful collection of modern sanitary apparatus, illustrating the advantages and disadvantages of the water carriage system for the disposal of refuse, etc.

The Director has much pleasure in acknowledging contributions of value from:

- 1. The Sanitary Construction Company of New York.
- 2. Richard King, King, Sprague & Co., New York.
- 3. Maignens Filtre Rapide Co., London, Eng.
- 4. L. Casella, London, Eng.
- 5. Messrs. Doulton & Co., Lambeth Pottery, London, E.C.
- 6. The Sanitary Institue, Parke's Museum, London.
- 7. The Hygienic Referendum, Hornsey, London, Eng.
- 8. Messrs. Newton & Co., London.
- 9. The Expanded Metal Co., London.
- 10. A. B. Reck, Copenhagen, Denmark.
- 11. Fischer Filter Plate Co.
- 12. J. W. Hughes, Montreal.
- 13. Wormser, Filterplatten-Werk, Worms, Germany.
- 14. The Laing Packing Company, Montreal.

The Department of Hygiene is also indebted to Mr. Fleming, Sanitary Engineer, for assistance and advice.

ANATOMICAL MUSEUM.

DIRECTOR, PROFESSOR F. J. SHEPHERD.
M. JULES BAILLY, OSTEOLOGIST AND ARTICULATOR.

This Museum occupies a large room on the same floor and adjoining the Anatomy Lecture Room and Dissecting Room. Smaller apartments in connection are used for private research, which is encouraged in every way by the Faculty.

The Museum is well furnished and comfortable, and students have every opportunity of studying Human, Comparative and Applied Anatomy.

This department has during the past few years added a very complete collection of plaster and papier mache models by Steger, after the well-known works of His and Braune, comprising:

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added a he models d Braune, (a) A complete set of Steger's brain sections.

(b) Models of the cerebro-spinal and sympathetic nervous systems.

(c) Professor Cunningham's well-known and beautiful casts of the head, showing the relation of the cerebral convolutions to the skull and its sutures.

A large collection of human brains, made by Professor Osler, formerly of this University, exhibiting the various types and extremes.

A large and rare collection of anomalies of the Renal vessels and ureter, and the aorta and its branches.

In Comparative Anatomy the student will find a fair amount of material, the study of which will greatly aid him in the elucidation of many points in Human Anatomy.

Many skeletons mounted by Mons. Jules Bailly, Articulator to the University, representing the various classes, orders, genera and species of the animal kingdom may be consulted.

A large collection, showing the pectoral girdle in birds, has been prepared under the supervision of the Professor of Anatomy.

Moist and dry preparations of dissections, a large collection of frozen cross sections of the human body, showing the normal relations of the viscera, etc., will be found convenient for study.

During the past year numerous valuable specimens have been presented to the Museum and its stores, which will be acknowledged in the next Calendar.

XII.

LIBRARY.

LIBRARIAN, PROF. F. G. FINLEY.
ASSISTANT LIBRARIAN, Miss M. R. CHARLTON.

The Library of the Medical Faculty now comprises upwards of twenty-one thousand volumes, the largest special library connected with a medical school on this continent.

The valuable libraries of the late Professors Robert Palmer

Howard, George Ross, Richard L. MacDonnell, T. Johnston Alloway and of Dr. Allen Ruttan have been donated

to the Medical Faculty.

The standard text-books and works of reference, together with complete files of the leading periodicals, are on the shelves. Students may consult any work of reference in the library between 9 a.m. and 6 p.m. A library reading-room for the use of students is provided.

EXTRACTS FROM THE LIBRARY REGULATIONS.

I. During the College Session the Library is open daily (except Sundays and general public holidays) from 9 a.m. till 6 p.m. During vacation from 10 a.m. to 5 p.m.

II. The stack room is not open to students or to the public.

III. The books in the Library are classed in two divisions: 1st, those which may be taken from the Library; 2nd, those which may not, under any circumstances, be removed from the Library. The latter class includes all catalogues, dictionaries and encyclopedias.

IV. Students will be allowed to use regular text-books only in the Library. Any other book may be taken out at 5.30 p.m., to be returned the next day. If books so removed from the Library are not returned punctually, a fine will be imposed, and if the delay be serious the student may be suspended from use use of the Library at the discretion of the Librarian.

V. Students may take out books, subject to the above regulations, to the number of three volumes at one time.

VI. Books may be taken from the Library only after they have been especially asked for and charged at the delivery desk; borrowers who cannot attend personally must sign and date an order, giving the titles of the books desired and the

name of the person deputed to procure the same.

VII. Damage to or loss of books shall be made good to the satisfaction of the Librarian and of the Library Committee. Writing or making any mark upon any book belonging to the Library is unconditionally forbidden. Any persons found guilty of wilfully damaging any book in any way shall be excluded from the Library, and shall be debarred from the use thereof for such time as the Library Committee may determine.

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VIII. Silence must be strictly observed in the Library.

IX. Infringement of any of the rules of the Library will subject the offender to a fine or suspension of his privileges, or to such other penalty as the nature of the case may require.

The number of volumes presented to the Library from June 4th, 1898, to May 25th, 1899, is	850
Those added by purchase	130
T1-1124	
Total additions to May 25th	980
The number of pamphlets and reports	200
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25th, 1899, has been	8,008
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was	6 250
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The attendance from June 1st, 1896, to June 1st, 1897,	
was	5,920
The attendance from June 1st, 1895, to June 1st, 1896,	
was	4,875
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been	3,200
The number of Journals and pamphlets has been	
The number of journals and pampinets has been	1,000
	4,209
This does not include the works consulted in the Li	brary.

The Faculty has endeavored to make the Library as complete as possible for research work. Complete files of almost all the important periodicals are now on the shelves, including foreign as well as English and American journals. A large number of transactions of various societies has recently

been acquired, and also the Berlin and Paris theses.

Arrangements have been made whereby practitioners both in the city and country can avail themselves of the library, the only conditions being the payment of express charges and a guarantee for the safe return of books borrowed.

XIII.

McGILL MEDICAL SOCIETY.

This Society, composed of enregistered Students of the Faculty, meets every alternate Saturday during the Autumn and Winter Terms, for the reading of papers, case reports and discussions on medical subjects. A prize competition has been established in senior and junior subjects, the senior being open to all to write upon, while only the 1st, 2nd and 3rd year students are allowed to compete in the junior subjects. The papers are examined by a board elected from the Professoriate, and a first and second prize in each division of subjects is awarded to the successful candidates.

Names of competitors and titles of papers shall be sent to the Chairman of the Programme Committee before September 1st, and all papers shall be subject to the call of the Committee on October 1st. All papers shall be handed in for ex-

amination on or before January 10th.

The Students' reading room has been placed under the control of this Society, in which the leading English and American Medical Journals are on file, as well as the leading daily

and weekly newspapers of the Dominion.

The annual meeting is held the first week of the Spring Term, when the following officers are elected: Hon. President, elected from the Faculty; President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter, Pathologist, and three Councilmen (of whom two shall be elected from the Faculty).

XV.

HOSPITALS.

The City of Montreal is celebrated for the number and importance of its public charities. Among these its public hospitals are the most prominent and widely known. Those in which medical students of McGill University will receive clinical instruction are: (1) The Montreal General Hospital. (2) The Royal Victoria Hospital. (3) Montreal Maternity Hospital.

The Montreal the most extensiv ings, having prove for hospital accon the addition of to morial, and the (gical theatre. Th been entirely reco plans.

The Royal Vict Street, which in s the finest modern for the reception of affords exceptional practical training.

This hospital has clinical field in Car It consists of a S

The Surgical De ing four wards 135 ing and connecting theatre of the mos 350 students. In co ising instruments, smaller operating 1 were built three year tients.

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The Royal Victoria Hospital at the head of University Street, which in structure and arrangements ranks among the finest modern hospitals of either continent, was opened for the reception of patients the first of January, 1894, and affords exceptional opportunities for clinical instruction and practical training.

Montreal General Hospital.

This hospital has been for many years the most extensive clinical field in Canada.

It consists of a Surgical and Medical Department.

The Surgical Department has two large pavilions, containing four wards 135 feet long by 35 broad, with an intervening and connecting building in which is a large operating theatre of the most modern type, capable of seating over 350 students. In connection with this are preparation, etherising instruments, stertilising and surgeons' rooms, also smaller operating rooms. The Surgical pavilions, which were built three years ago, accommodate over one hundred patients.

The old part of the hospital, consisting of the Reed, Richardson and Morland wings, has during the past year been completely rebuilt and remodeled, and forms the Medical Department. This part contains four wards, 100 feet by 40, and is arranged for 150 beds. In this building there are wards for Gynaecological and Opthalmological patients, a number of private wards and laboratories for Clinical Chemistry. There is also a medical amphitheatre capable of seating 150 students and a gynaecological operating room fitted up in the most modern manner. The central part of the old building is for administration purposes.

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A completely new and commodious out-door patient department has been provided on the ground floor of the Richardson wing, and there is ample accommodation for the various special departments as well as large rooms for general

medical and surgical patients.

The Pathological Department is a completely new building in which are the post-mortem theatre and rooms for microscopical and bacteriological work, and also a mortuary and chapel. In this building students are offered every opportunity of perfecting their knowledge of morbid anatomy and pathological histology.

The old Fever Wards on the grounds of the Hospital have been completely remodeled, and are now used as a laundry

and kitchen.

A much larger number of patients receive treatment in the Montreal General Hospital than in any other Canadian Hospital. Last year's report shows that between two and three thousand Medical and Surgical cases were treated in the wards, and the great proportion of these were acute cases, as may be gathered from the fact that the average duration of residence was only 24.02 days. Upwards of thirty-two thousand patients are annually treated in the out-door department of this Hospital.

Annual tickets entitling students to admission to the Hospital must be taken out at the commencement of the session, price \$5.00. These are obtained at the College. Perpetual tickets will be given on payment of the third annual fee.

The Royal Victoria Hospital.*

This Hospital is situated a short distance above the University Grounds on the side of the Mountain, and overlooks the city. It was founded in July, 1887, by the munificence of Lord Mount Stephen and Sir Donald Smith, who gave half a million dollars each for this purpose.

The buildings, which were opened for the reception of patients on the first of January, 1894, were designed by Mr. Saxon Snell of London, England, to accommodate between

250 and 300 patients.

The Hospital is ed together by sto centre and a wing immediate connecti mortuary, and a wi

The Administrat for the resident metics. The patients rooms are also situ Administration blo department, in whice gery, Ophthalmolog wing was opened for

The Medical wing long by 26 feet 6 ir inches, and fifteen 1 feet by 12 feet. also for 250, and three rand other purposes. nection with it are ary.

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The Surgical wing long by 26 feet 6 inc feet, and seven privat by 12 feet; also a sur 250, with six rooms covery purposes.

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^{*} Fees for this hospital are the same as those for the Montreal General Hospital.

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spital.

The Hospital is composed of three main buildings connected together by stone bridges; an Administration Block in the centre and a wing on the east side for medical patients, in immediate connection with which is the Pathological wing and mortuary, and a wing on the west side for surgical patients.

The Administration block contains ample accommodation for the resident medical staff, the nursing staff and domestics. The patients' entrance, the dispensary and admission rooms are also situated in this building. To the north of the Administration block has been erected a large out-patients' department, in which are special departments for Minor Surgery, Ophthalmology, Laryngology, and Gynaecology. This wing was opened for patients during the winter of 1899-1900.

The Medical wing contains three large wards, each 123 feet long by 26 feet 6 inches wide, one ward 40 feet by 26 feet 6 inches, and fifteen private and isolation wards averaging 16 feet by 12 feet. also a medical theatre with a seating capacity for 250, and three rooms adjacent to it for clinical chemistry and other purposes. North of this wing and in direct connection with it are the Pathological laboratories and mortuary.

In this wing are situated the mortuary proper, the chapel, a post mortem room capable of accommodating 200 students, and laboratories for the microscopic and bacteriological study of morbid tissues, some designed for the use of students and others for post graduation courses and special research. Special laboratories for Pathological Chemistry, Experimental Pathology, Bacteriology and Photography are also provided.

The Surgical wing contains three large wards, each 123 feet long by 26 feet 6 inches wide, four wards each 40 feet by 32 feet, and seven private and isolation wards, averaging 16 feet by 12 feet; also a surgical theatre with a seating capacity for 250, with six rooms adjacent for preparations and after recovery purposes.

In this wing are also the wards for Gynaecology and Ophthalmology.

XVI.

CLINICAL INSTRUCTION.

During the Session of 1899-00, three Medical, three Surgical, two Gynaecological and two Ophthalmological clinics will be held weekly in both the Montreal General and Royal Vic-

toria Hospitals.

In addition, tutorial instruction will be given in these different departments in the wards, out-patient rooms and laboratories. Special weekly clinics will be given in the Montreal General Hospital on Dermatology and Laryngology and in the Royal Victoria Hospital on diseases of the Genito-Urinary

system, and Laryngology.

CLINICAL CLERKS in the medical and surgical wards of both Hospitals are appointed every three months, and each one during his term of service conducts, under the immediate directions of the Clinical Professors, the reporting of all cases in the ward allotted to him. Students entering on and after October, 1893, will be required to show a certificate of having acted for six months as clinical clerk in medicine and six months in surgery, and are required to have reported at least ten cases in medicine and ten in surgery. The instruction obtained as clinical clerk is found to be of the greatest possible advantage to Students, as affording a true practical training for his future professional life

Dressers are also appointed to the Out-door Departments. For these appointments, application is to be made to the Assistant Surgeons, or to the resident surgeon in charge of the

out-patient department.

The large number of patients affected with diseases of the eye and ear, now attending the special clinics at both hospimiliar with all the ordinary affections of those organs, and to miliar with all the ordinary affections of these organs, and to make themselves proficient in the use of the ophthalmoscope, and it is hoped that every student will thus seek to gain a practical knowledge of this important branch of Medicine and Surgery. Operation thalmic Surgeons a and Students are i practicable to keep they remain in the

There are also s Gynaecology and I in these branches special technical kno of teaching practica marked success has

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A special clinic fo has been established Infectious diseases ally, the former in and the latter at the

The Faculty has Corporation of the portant additions to the erection of a las modern appliances. creased facilities for stetrics and diseases c phantom is provided f ity afforded for acqu ious obstetric manipu rect supervision of th much time and attent who have attended th tumn and winter term cases in rotation, wh attend till convalescen upon the same basis

Surgery. Operations are performed on the eye by the Ophthalmic Surgeons after the outdoor patients have been seen, and Students are invited to attend the same, and as far as practicable to keep such cases under observation so long as they remain in the Hospital.

There are also special departments in both Hospitals for Gynaecology and Laryngology, presided over by Specialists in these branches. Students are thus enabled to acquire special technical knowledge under skilled direction. The plan of teaching practical gynaecology for the past five years with marked success has been the limitation of the number of Stu-

The Clinics at the Montreal General Hospital in Dermatology and Laryngology are very large, and afford a practical training in affections of the skin and throat rarely obtained by medical students.

A special clinic for diseases of the Genito-Urinary Organs has been established at the Royal Victoria Hospital.

Infectious diseases and Insanity will also be taught clinically, the former in the special wards for infectious diseases and the latter at the Verdun Hospital for the Insane.

The Montreal Maternity.

The Faculty has great pleasure in announcing that the Corporation of the Montreal Maternity has made very important additions to its building, and has in contemplation the erection of a large new building, fitted with the most modern appliances. Students will therefore have greatly increased facilities for obtaining a practical knowledge of obstetrics and diseases of infancy. An improved Tarnier-Budin phantom is provided for the use of the students, and every facility afforded for acquiring a practical knowledge of the various obstetric manipulations. The institution is under the direct supervision of the Professor of Midwifery, who devotes much time and attention to individual instruction. Students who have attended the course on obstetrics during the autumn and winter terms of the third year will be furnished with cases in rotation, which the will be required to report and attend till convalescence. Clinical midwifery has been placed upon the same basis as Clinical Medicine and Surgery, and

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a final Clinical examination instituted. Regular courses of clinical lectures are given throughout the session, special attention being paid to the important subject of infant feeding. The Walker-Gordon process of modifying milk is explained and demonstrated. During the autumn and winter terms the Demonstrator of Obstetrics gives Clinical Demonstrations in the wards and instruction in operative work on the phantom. Students will find it very much to their advantage to pay special attention to their Clinical work during the spring term of the third year and the following summer. One resident medical officer is appointed yearly from the graduating class to hold office for a period of six months.

Fee for twelve months, \$12, payable at the Maternity Hos-

pital.

Faculty

The tenth Session the Montreal Veto day, 22nd Septem will begin on Septime table, and withours of lectures valterations which is nounced being subsee fit to make.

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Faculty of Comparative Medicine and Veterinary Science.

SESSION 1900-1901.

The tenth Session of the Faculty (being the thirty-fifth of the Montreal Veterinary College) will be opened on Saturday, 22nd September, 1900. The regular course of lectures will begin on September, 24th, at the hours named in the time table, and will continue till the end of March. The hours of lectures will be announced later, together with the alterations which may be necessary, the course as herein announced being subject to such changes as the Faculty may see fit to make.

The Montreal Veterinary College was inaugurated in 1866. The complete course of study in this Faculty extends over three years. Graduates of recognized Medical Colleges are allowed to present themselves for examination after regular attendance on one full course; graduates of recognized Agricultural Colleges in which Veterinary Science constitutes a branch of study, after regular attendance for two full courses.

Allowances will be made to students of Human or Comparative Medicine, or others who can produce certified class tickets for attendance on any of the subjects embraced in the curriculum from any recognized college or university.

Graduates and students who avail themselves of the above privileges will nevertheless be required to pass an examination in the subjects comprised in the three years' course, unless, from satisfactory evidence otherwise produced, the examiners consider it to be unnecessary.

Graduates of recognized Veterinary Colleges desirous of taking the degree may do so by attendance on the final subjects for one full session, but will be required to pass the examinations on all the subjects embraced in the curriculum, botany excepted.

MATRICULATION.

Every study, previous to his admission, must produce a certificate of educational requirements satisfactory to the Faculty, or submit himself to a matriculation examination in (1) writing, (2) reading aloud, (3) dictation, (4) English grammar and (5) composition, (6) outlines of geography, with special reference to North America, (7) arithmetic, including vulgar and decimal fractions.

Note.—It is contemplated to add the rudiments of Latin to the matriculation in the near future.

A. N. Shewan, M.A., will hold the matriculation examination on Saturday, 22nd September, 9 a.m., at the College, 6 Union Avenue, when all those intending to enter the course should present themselves for examination. Candidates possessing certificates of education or of previous matriculation should produce them for the inspection and approval of the examiner. Graduates of any Faculty in a recognized University or Agricultural College are not required to matriculate.

No College is recognized unless its students are required to matriculate.

REGISTRATION AND PAYMENT OF FEES.

The following are the College regulations:-

All students desirous of attending the classes shall, at the commencement of each session, enrol their names and residences in the register of the Faculty, and procure from the Registrar a ticket of registration, for which each student shall pay a fee of \$5.

The said register shall be closed on the last day of October in each year. The fees are payable to the Registrar, and all class tickets will be issued by him, and must be paid in advance at the time of registration; the Registrar will on no consideration issue tickets till the fees are paid. Intending students must govern themselves accordingly.*

All students must register, including those who receive free bursaries.

Fees for the whole course are \$75 per session, and, in all cases, must be paid on entering. Matriculation fee, \$5, which is to be paid prior to the examination; \$5 for registration; and \$5 for registration, payable at the beginning of each of the following two Sessions, and \$20 on receiving the diploma. Students who are allowed time for previous study will be required to pay full fees, and

\$5 for registration as above.

In addition to the annual fee of \$3 fe

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^{*} Owing to losses incurred by non-payment of fees, the Registrar must refuse registration till the fees are paid, which may be returned if the applicant fails to matriculate.

^{*} First Year, Fees...\$ 75
Matriculation " ... 5
Registration " ... 5
Athletics " ... 3

\$5 for registration each session. Payments must be made in all cases as above.

In addition to the above Faculty fees, every student must pay an annual fee of \$3 for athletics.*

STUDENTS OF THE PROVINCE OF QUEBEC.

In consideration of the annual grant, the Council of Agriculture has the privilege of sending thirteen pupils, free of expense, to the whole course; such students, however, pay a fee of \$5 for the course in Botany, \$5 annually for registration, and \$3 annually for athletics. These bursaries may be obtained by young men resident in the Province of Quebec, by application made to the Dean of the Faculty in the handwriting of applicant, accompanied by a recommendation from the Agricultural Society of the district in which they reside, provided the Council considers them qualified by education and in other respects for entering the College.

In all cases, except when specially arranged, Bursars will be required to give a guarantee that they will attend three Sessions, and failing to do so, they shall be required to pay the fees for the Sessions which they have attended. These Bursaries are not intended for nor will they be given to such students as do not require such aid.

SPECIAL REGULATIONS.

Students of this Faculty will be graded as of the first, the second, and the final year. In each year students will take the studies fixed for that year only, unless by special permission of the Faculty.

Persons desirous of entering as Partial Students shall apply to the Dean of the Faculty of admission as such, and shall obtain a ticket or tickets for the class or classes they desire to attend.

Each lecture shall be of one hour's duration, but the Professors shall have the right to substitute an examination for any such lecture.

At the end of each term there shall be a general examination of all the classes, under the superintendence of the Professors, and such other examiners as may be appointed by the Corporation. The results shall be reported as early as possible to the Faculty.

The students have all the privileges of the McGill Medical Faculty's Laboratories, which are thus described in their annual calendar:—

* First Year, Fees... \$ 75 Second Matriculation "...5 Registration "...5 Athletics "...3 Ath

Second Year, Fees....\$ 75
Registration " 5
Athletics " 3

Third Year, Fees...\$ 75
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PHYSIOLOGICAL LABORATORY.

The Physiological Laboratory, which is situated on the ground floor, is supplied with the most modern apparatus for the practical teaching of this most important branch of the medical curriculum. It contains, amongst other valuable instruments, kymographs, various manometers, etc., for demonstrating blood pressure; myographs, rheocords, moist chambers, etc., and various electrical appliances for demonstrating experiments in connection with nerve and muscle; special apparatus for illustrating various points in respiration; apparatus specially suitable for demonstrating the processes of digestion, as well as the chemical composition and nature of the secretions, and the chief constituents of the tissues and nutritive fluids. The laboratory is arranged in such a way as to permit of Students assisting at, and taking part in these demonstrations. During the past session, important additions of apparatus have been made to the Physiological Laboratory.

CHEMISTRY.

The course in Chemistry embraces Chemical Physics, in the first portion of the course, the theory of Chemistry, both inorganic and organic, in the latter part of the course. The Chemical Laboratory, which is available to the Students of Comparative Medicine, is large, lofty and well lighted, and can accommodate comfortably 76 men at one time. Each Student, when entering on his course, has a numbered table in the laboratory assigned to him for his use during the session. Each table has its own gas and water fixtures, and is provided with shelves for its corresponding set of reagent bottles, as well as a drawer and locker containing a modern set of chemical apparatus especially adapted for the work. This apparatus is provided by the Professor of Chemistry, and supplied to each Student without extra charge. The Student is required to pay only for apparatus broken or destroyed.

The laboratory is furnished with a large draught closet for ventilation, sulphuretted hydrogen apparatus, gas and combustion furnaces, etc., giving to the student unsurpassed advantages for acquiring a sound and practical knowledge of medical chemistry.

PATHOLOGICAL LABORATORY.

In the Pathological Laboratory accommodation will be provided for Students or practitioners who desire to carry on advanced study or private pathological research. The laboratory has been entirely re-built recently, and is well stocked with the usual apparatus for pathological and bacteriological work.

The demonstrations laboratory, specially a logical Histology will

Through the general house previously occured into a Pathological and Demonstration ratios for the purpose Upon the first floor a paration and Research teriological use. On store rooms and the ap

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provided ed study entirely ratus for The demonstrations in Morbid Anatomy will be given in a small laboratory, specially arranged for the work. The classes in Pathological Histology will be held in the Pathological Laboratory.

Through the generosity of the late Mr. J. H. R. Molson, the large house previously occupied by Professor Harrington has been converted into a Pathological Laboratory, having on the upper floor the Class and Demonstration room, capable of holding practical classes of fifty students. This is fully fitted with microscopes and other apparatus for the purpose of Pathological Histology and Bacteriology. Upon the first floor are the Library and Professor's room, the Preparation and Research rooms, with a smaller Incubator room for Bacteriological use. On the ground floor are situated the animal and store rooms and the apartments of the assistant.

Accommodations will be provided for students or practitioners who desire to carry on advanced study or pathological research.

HISTOLOGICAL LABORATORY.

The Histological Laboratory is a large, well-lighted room on the second floor. It is so arranged that over eighty students can be present at the microscopical demonstrations. For this purpose it is supplied with thirty-five microscopes, all from the well-known makers, Zeiss, Hartnock, and Leitz. From the large number of microscopes employed, students will have special facilities in studying and making themselves thoroughly acquainted with the specimens that are the subject of demonstration.

PRACTICAL MICROSCOPY.

This is an entirely optional course, in charge of Prof. Wilkins, essisted by Dr. Gunn. It is intended especially for teaching the technique of Microscopy. Students will be shown how to examine blood, etc., also to cut, stain, and mount specimens. For this purpose, they will have furnished them normal structures, with which they will be able to secure a cabinet of at least 100 specimens, which will be of great benefit when in practice. Reagents and everything, except cover glasses and cabinet cases, provided. Fee, \$8.

COURSES OF LECTURES ELEMENTARY BIOLOGY.

Prrofessors:—D. P. Penhallow, M.Sc. E. W. MacBride, M.A., D.Sc.

This Course, under the supervision of the professors of Botany and Zoology, will be given during the autumn term,—Zoology first eight weeks; Botany last four weeks.

1a.—Animal Biology.

The Course in Animal Biology will discuss the fundamental properties of protoplasm; the principles of the formation of tissues; the formation of organs; an outline of vertebrate structure and function, as exemplified by the types Amoeba, Paramecium and Vorticella, Hydra, Lumbricus and the Dog-fish.

Two lectures and one laboratory period each week.

,b.—Plant Biology.

The Course of Plant Biology will deal chiefly with the general properties of cytoplasm; the structure and nature of the plant cell; movement; nutrition; respiration; fixation of carbon; division of labor and origin of organs; evolution of plant forms. These principles will be illustrated in their more simple forms by a Myxomycete, Pleurococcus, Saccharomyces, Spirogyra and Oedogonium, Fucus, and Pteris. Two lectures and one demonstration each week.

CHEMISTRY.

GILBERT P. GIRDWOOD, M.D.

Inorganic Chemistry is fully treated; a large portion of the course is devoted to Organic Chemistry and its relations to Medicine. The branches of Physics bearing upon or connected with Chemistry also engage the attention of the Class. For experimental illustration, abundant apparatus is possessed by the College.

The Chemical Laboratory will be open to members of the Class to repeat experiments performed during the course, under the superintendence of the Professor or his Assistant.

PHYSIOLOGY.

T. WESLEY MILLS, M.A., M.D., D.V.S.

The purpose of this course is to make students thoroughly acquainted, so far as time permits, with modern Physiology, its methods, its deductions, and the basis on which the latter rest. Accordingly, a full course of lectures is given, in which both the Physical and the Chemical departments of the subject receive attention.

In addition to the use of diagrams, plates, models, etc., every department of the subjects is experimentally illustrated. The experiments are free from elaborate technique, and many of them are of kind susceptible of ready imitation by the student.

Laboratory work for Senior Students:-

(1) During a part of the Session there will be a course on Phy

siological Chemistry vestigate food-stuffs secretions and exermaterial for this cou-

(2) The remainder formance of such establishment of such establishment of a large class in elaborate methods, as is similar to that for attention will be given subject than to the control of the subject than to the subject than to the subject than the subject th

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siological Chemistry, in which the student will, under direction, investigate food-stuffs, digestive action, blood, and the more important secretions and excretions, including urine. All the apparatus and material for this course will be provided.

(2) The remainder of the session will be devoted to the performance of such experiments as are unsuitable for demonstration to a large class in the lecture room and such as require the use of elaborate methods, apparatus, etc. The course for first year students is similar to that for senior students, though less advanced, and more attention will be given to the anatomico-physiological aspects of the subject than to the chemical.

HISTOLOGY.

GEO. WILKINS, M.D.

This will consist of a course of ten lectures and twenty-five weekly demonstrations with the microscope. As the demonstrations will be chiefly relied upon for teaching the Microscopic Anatomy of the various structures, the specimens under observation will then be minutely described. Plates and diagrams specially prepared for these lectures will be freely made use of.

COMPARATIVE PATHOLOGY.

J. G. ADAMI, M.D., Professor. C. F. MARTIN, M.D., Lecturer.

The teaching in Pathology at McGill Medical College includes courses in general and special Pathology, in Bacteriology (held during the summer Session), and instruction in the performance of Autopsies. These courses—while directed especially towards giving to the Students a due knowledge of the causation and course of disease in man—are necessarily based largely upon the results of observations upon the lower animals, and the greater part of all these causes is applicable equally to conditions obtaining in the domestic animals. There is in addition a practical course of Pathological Histology for Students of Comparative Medicine, and instruction is given upon the performance of Autopsies upon the lower animals.*

MEDICINE AND SURGERY.

D. McEachran, F.R.C.V.S.

Students of all years must attend.

The course embraces the principles and practice of Veterinary Medicine, including the diseases of domestic animals, their nature,

^{*} Undergraduates in the second and third sessions are particularly recommended to take the practical course in Bacteriology during the summer session, if possible.

causes, symptoms, and treatment. It necessarily includes Pathology and Pathological Anatomy, with daily clinical demonstrations in the hospital and the yard practice of the College, as well as illustrations from plates, preserved specimens, and fresh material furnished by the Pathologist.

The course on Surgery embraces Surgical Anatomy and Practices of Surgery, and will be illustrated by a large collection of surgical

appliances.

The large and varied practice of the College furnishes abundance of cases for demonstration purposes. Attendance and practical work in the Pharmacy and Hospital is compulsory during the entire course, in the order arranged at the beginning of each Session, and forms an important part of the qualifications for graduation.

ANATOMY.

M. C BAKER, D.V.S.

In this course the Anatomy of the horse is the subject of special study, while the structural differences of all the domestic animals are carefully explained and illustrated by fresh subjects. There is a very large collection of anatomical models by Dr. Auzoux, of Paris, natural injections and dissections, and a most complete collection of diagrams, including Marshall's complete set, Mons. Achille Compte's Anatomical and Zoological series; also a large collection of drawings specially prepared for the school by Mr. Scott Leighton, artist, Boston, and Mr. Hawksett, Montreal.

The dissecting room is open at all hours, subjects are easily procured, and either the Professor or Demonstrator will be in attendance to superintend and direct students in practical dissection. The room is furnished with every convenience, is thoroughly lighted, and affords students all that can be reasonably desired.

Students are required to pay for the material necessary for practical anatomy.

Before a student can be allowed to present himself for his pass examination, he must procure tickets certified by the demonstrator that he has dissected two entire subjects,—that is, one each session.

MATERIA MEDICA AND THERAPEUTICS.

NEIL GUNN, M.D., Lecturer.

This course comprises a description of the physiological and therapeutic action of all the more important medicines used in Veterinary Practice, with a short reference to their general properties and principal preparations. It will also include a course in the practical work of compounding and administering medicines in the pharmacy and hospital. There will also be experimental demonstrations of the action of some of the more important drugs on animals.

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CATTLE PATHOLOGY AND OBSTETRICS.

C. McEACHRAN, D.V.S.

A special course on Cattle Diseases and Veterinary Obstetrics will be delivered, embracing the history of Cattle Plagues; their nature, symptoms, pathological anatomy, prophylactic and therapeutic treatment; breeding and general management of breeding animals, disease incident to gestation and parturition, etc.

SPECIAL COURSE ON DOGS.

Professor Wesley Mills will give a special Course on Dogs, which will include—

- (1.) Lectures on the physical and psychic characteristics of all the leading varieties, illustrated by specimens from his own kennels and other sources, as well as by plates, etc.
- (2.) The principles of training; the feeding and general management of dogs.
- (3.) The principles of breeding; the management of brood bitches and the rearing of puppies.
 - (4.) Bench show management and the public judging of dogs.
 - (5.) The rights and duties of dog owners.

In all the above courses the clinical and pathological aspects of the subject will be considered, as well as the normal.

THE MUSEUM

Contains a large collection of natural and artificial specimens, consisting of skeletons of almost all the domestic animals, numerous specimens of diseased bones, preparations by Dr. Auzoux of all the different organs in the body, natural dissections, colored models, diagrams, etc., etc., all of which are used in illustrating the lectures, and to which the Students have frequent opportunities of referring. Students will also enjoy the privileges of the Museum of the Medical Faculty of McGill University, which is rich in pathological specimens.

THE PHARMACY.

All the medicines used in the practice of the College are compounded by the Students, under the direction of the Professors, from prescriptions for each particular case, and most of them are administered or applied by them. For this purpose they are detailed for certain pharmaceutical duties alternately. By this means they become familiar with the physical properties, compatibilities, doses and uses of the medicines, and become expert in administering them to the different patients brought for treatment. Attendance and practical work in the Pharmacy are compulsory.

THE PRACTICE.

The Hospital and Daily Clinics, as well as a very extensive out-door practice, including most of the largest stables in the city and numerous farms in the vicinity, afford excellent opportunities for clinical observation on horses of all breeds and ages. Owing to the numbers of cattle kept in the city, and the valuable thoroughbred herds in the neighbourhood, advanced Students are enabled to see and do considerable cattle practice. The dog practice is the largest in Canada. All canine diseases can be studied clinically, owing to the large number of dogs brought to the College for medical or surgical treatment.

Senior Students will be appointed to at alternately as dressers in the Hospital, and first and second year men must assist in administering medicines and at operations.

*TEXT BOOKS.

The following text-books are recommended:-

Anatomy.—Chauveau's Comparative Anatomy; Strangeway's Veterinary Anatomy; McFadyean's Veterinary Anatomy; Dissector's Manual, Clement.

Physiology.—Physiology for Beginners by Foster & Shore; Prof. Mills' Text Book of Comparative Physiology; Class Laboratory Exercises, by the same author.

Histology.—Klein's Elements; Schafer's Essentials of Histology.

Botany.—Gray's Structural Botany; Bessey's Botany.

Zoology.—Dawson's.

Chemistry.—Wurtz's Elementary Chemistry; Armstrong; Remsen's Organic Chemistry.

Medicine and Surgery.—Williams' Principles and Practice of Veterinary Medicine; Fleming's Sanitary Science and Police; Williams' Surgery; Fleming's Operative Surgery; Robertson's Equine Medicine; Liautard's Operative Veterinary Surgery; Zuill's Translation of Friedberger and Frôhner's Pathology, etc.

Materia Medica.—Dun's Veterinary Medicines; Walley's Veterinary Conspectus; Tuson's Pharmacy; Hoare's Therapeutics.

Cattle Diseases.—Steel's Bovine Pathology; Clatter's Cattle Doctor (Armitage); Fleming's Veterinary Obstetrics.

Canine Diseases.-Prof. Mills' The Dog in Health and in Disease.

Diseases of the Dog.—Geo. Müller, tr. by A. Glass, V.S.

Entozoa.—Cobbold's Entozoa of Domestic Animals.

Pathology.—Payne's Pathology; Fraenkel's Bacteriology; Clement on Post Mortems.

VETERI:

This Association is in all matters pertain Graduates and students of Human I The meetings are

discussed, cases repor The advantages w very great. Not or subjects of professions practising public spe useful. The fees of the books for the Librar prizes awarded for pa

The Library is own trol of officers who a volumes, embracing w works on Veterinary English and French 1 sultation and study by

Every student is ex fee is \$5, and the year! Fellowship is conferred regulations of the Asso

ASSOCIATION FO

This Society is similar Association, and has a spit the study of the Paclasses of animals, and the Naturally, it is of great dumb animals as well as

The late John Wesley U.S.A., generously do of nearly 400 volumes and of which are of unusual v

^{*} Students are advised not to buy text books extensively till after consultation with the Professor who teaches the subject.

VETERINARY MEDICAL ASSOCIATION.

This Association is for the mutual improvement of its members in all matters pertaining to the profession.

Graduates and students of Veterinary Medicine and graduates and students of Human Medicine are eligible to membership.

The meetings are held fortnightly, at which papers are read and discussed, cases reported, etc.

The advantages which students derive from these meetings are very great. Not only do they hear carefully prepared papers on subjects of professional importance, but an opportunity is afforded for practising public speaking, which in after life is often extremely useful. The fees of the Association are expended in the purchase of books for the Library, drugs for experimental purposes, and the prizes awarded for papers read.

The Library is owned by the Association, and is under the control of officers who are elected annually. It contains nearly 600 volumes, embracing works of great antiquity, as well as the modern works on Veterinary Science and collateral subjects, in both the English and French languages, all of which are available for consultation and study by members.

Every student is expected to become a member. The entrance fee is \$5, and the yearly subscription \$2.50. A Diploma of Honorary Fellowship is conferred on all members who have complied with the regulations of the Association.

ASSOCIATION FOR THE STUDY OF COMPARATIVE PSYCHOLOGY.

This Society is similar in construction to the Veterinary Medical Association, and has a special library of about 100 volumes. Its object is the study of the Psychic Phenomena (intelligence, etc.) of all classes of animals, and the diffusion of sounder views on this subject. Naturally, it is of great importance in the practice of medicine upon dumb animals as well as of peculiar scientific interest.

DONATIONS.

The late John Wesley Gadsden, M.R.C.V.S., of Philadelphia, Penn., U.S.A., generously donated to this Faculty his valuable library of nearly 400 volumes and the specimens of his private museum. many of which are of unusual value.

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QUALIFICATIONS FOR THE DEGREE.

Candidates for the Final Examination shall furnish testimonials of attendance on lectures on the following subjects.

Either Botany or Zoology—One course of six months, 1st year.

Histology Chemistry Physiology Anatomy

Two courses of six months, 1st and 2nd years.

General Pathology and Demonstrations, one course of six months.

Cattle Diseases and Obstetrics

Practice of Medicine and Surgery. Two courses, 2nd and 3rd year. Materia Medica and Therapeutics.

No one will be permitted to become a candidate for examination who shall not have attended at least one full course of lectures in this Faculty, including all the subjects embraced in the curriculum. Courses of less length than the above will be received only for the time over which they have extended.

Students, except by special permission of the Faculty, must pursue the subjects of Anatomy, Physiology, Chemistry, Histology, and Botany or Zoology in their first session.

Candidates of the 1st and 2nd years, who fail to pass in not more than two subjects, may be granted a supplementary examination at the beginning of the following session. Supplementary examinations will not be granted, except by special permission of the Faculty and on written application stating reasons, and on payment of a fee of \$2, which must be paid prior to examination.

Candidates who fail to pass in a subject of which two courses are required, may, at the discretion of the Faculty, be required to attend a third course, and furnish a certificate of attendance thereon.

In addition to the written and oral examinations, candidates must pass a practical clinical test, including examination of horses for soundness, written reports being required; the clinical reports to include diagnosis, prognosis, and treatment.

The following oath or affirmation will be exacted from the candidate before receiving the degree:—

DECLARATION OF GRADUATES IN COMPARATIVE MEDICINE AND VETERINARY SCIENCE.

I, — —, promise and solemnly declare that I will, with my best endeavors, be careful to maintain the interests of this University, and that, to the best of my ability, I will promote its honor and dignity.

First Year.—Pas (oral), 1st Chemis jects in the course Second Year.—P tology (written), as in these and the otl Third Year.—Pas Surgery, General as eases of Cattle, and N.B.—Written an time during the sess standing attained at pass examination

Students under sev be entered as regular Minors may pass Diploma until they

REGULATIONS GO DEGREE UPON : REAL

The Degree of Doc former graduates of M of McGill University h ing regulations, which McGill University, held ferring of Degrees on 1st.—That the candid throughout his profess 2nd.—That he has a sale of proprietary measured.—That he has be year since graduating, study at some European 4th.—That he shall the made reasonable progree.

In estimating the fitn be taken specially of wo

EXAMINATIONS.

First Year.—Pass Examinations in Botany or Zoology, Histology (oral), 1st Chemistry, Anatomy, Physiology, and on all other subjects in the course of this year.

Second Year.—Pass Examinations in Chemistry, Physiology, Histology (written), and Anatomy, in addition to sessional examinations in these and the other subjects of the year.

Third Year.—Pass Examinations in Practice of Medicine and Surgery, General and Special Pathology, Veterinary Obstetrics, Diseases of Cattle, and Materia Medica and Therapeutics.

N.B.—Written and Oral Examinations will be held from time to time during the session, and attendance at these is compulsory. The standing attained at these examinations will be taken into account at pass examinations.

AGE FOR GRADUATION.

Students under seventeen will be received as apprentices, but cannot be entered as regular Students before attaining that age.

Minors may pass the Examinations, but cannot receive the Diploma until they are twenty-one years of age.

REGULATIONS GOVERNING THE CONFERRING OF THE DEGREE UPON FORMER GRADUATES OF THE MONTREAL VETERINARY COLLEGE.

The Degree of Doctor of Veterinary Science may be conferred on former graduates of Montreal Veterinary College at any Convocation of McGill University held for conferring degrees, subject to the following regulations, which were adopted at a meeting of the Corporation of McGill University, held on the 22nd January, 1890, governing the conferring of Degrees on former graduates:—

1st.—That the candidate must be found to have conducted himself throughout his professional career with honor and integrity.

2nd.—That he has not been connected with the manufacture or sale of proprietary medicines.

3rd.—That he has been engaged in actual practice for at least one year since graduating, or that he has been engaged in professional study at some European school.

4th.—That he shall be required to satisfy the Board that he has made reasonable progress in professional knowledge and skill.

In estimating the fitness of a candidate for a degree, account will be taken specially of work done in professional teaching, original re-

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The fee for the Diploma shall be Twenty Dollars.

An affirmation shall be administered similar to that of other Faculties, and in English.

The Degree may be conferred on absentees,

The regulations relating to fees and affirmations shall apply to ordinary undergraduates on taking the degree.

Graduates intending to apply for the Degree of D.V.S. should notify the Registrar of the Faculty at their earliest convenience, and at the same time state the grounds explicitly on which they base their claims for the Degree.

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the Session of 1900

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McGill Aormal School.

The McGill Normal School, in the city of Montreal, is established chiefly for the purpose of training teachers for the Protestant population, and for all religious denominations of the Province of Quebec other than the Roman Catholic. The studies in this school are carried on chiefly in English, but French is also taught.

GOVERNMENT OF THE SCHOOL.

The Corporation of McGill University is associated with the Superintendent of Public Instruction in the direction of the McGill Normal School, under the regulations of the Protestant Committee of the Council of Public Instruction, and it is authorized to appoint a standing committee consisting of five members, called the "Normal School Committee," which shall have the general supervision of the affairs of the Normal School. The following members of the Corporation of the University constitute the committee of the Normal School for the Session of 1900-1901.

NORMAL SCHOOL COMMITTEE.

PROF. W. PETERSON, M.A., LL.D., Principal of the University, Chairman.

MR. SAMUEL FINLEY, Governor of McGill College.

REV. PRINCIPAL MACVICAR, D.D., LL.D.,

Fellows of

J. R. Dougall, M.A.,

REV. E. I. REXFORD, B.A.,

McGill University.

J. W. BRAKENRIDGE, B.C.L., Secretary.

OFFICERS OF INSTRUCTION.

McGill Normal School.

SAMPSON PAUL ROBINS, M.A., LL.D., Principal and Ordinary Professor of Mathematics and Lecturer on Art of Teaching.

ABNER W. KNEELAND M.A., B.C.L., Ordinary Professor of English Language and Literature.

MADAME SOPHIE CORNU, Professor of French.

MISS GREEN, Professor of Drawing.

_____, Instructor in Music.

MISS LILLIAN B. ROBINS, B.A., Assistant to the Principal and Instructor in Classics.

MR. W. H. SMITH, Instructor in Tonic Sol-Fa.

MR. JNO. P. STEPHEN, Instructor in Elocution.

PROF. D. P. PENHALLOW, M.A.Sc., Lecturer on Botany.

_____, Lecturer on Physiology and Hygiene.

NEVIL N. EVANS, M.A.Sc., Lecturer on Chemistry.

MR. JAMES WALKER, Instructor in Penmanship and Book-keeping.

MISS LOUISE DERICK, Instructor in Kindergarten Methods.

Mr. A. W. Arthy, Lecturer in the Theory of Kindergarten and Transition Work.

MODEL SCHOOLS OF THE McGILL NORMAL SCHOOL.

ANNOUNCEMENT FOR THE SESSION 1900-1901.

This Institution is intended to give a thorough training to teachers, by instruction and training in the Normal School itself, and by practice in the Model Schools; and the arrangements are of such a character as to afford the greatest possible facilities to students from all parts of the province. Hereafter the Protestant Central Board of Examiners for the Province of Quebec will grant diplomas only to teachers-in-training of this Institution and to graduates of British or Canadian Universities.

The forty-fifth Session of this School will commence on the third of September, 1900, and close on the thirty-first of May, 1901. The students are graded as follows:

I.—Elementary Class.—Studying for the Elementary Diploma.

2.—Advanced Elementary Class.—Studying for the Advanced Elementary Diploma.

3.—Model School Diploma.

4.—Kindergarten Diploma.

5.—Class in Ped Diploma.

Detailed informat grades first enumerate the Principal of t

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All graduates in A ties who have passed as above defined, and tisfactory examination under the control of th School as approved by cil of Public Instruction diplomas. The Centra who have passed satis in practical teaching in examination questions Board by the universit mendations of the prof of Examiners is empow education, and to pres govern, which must be

- 3.—Model School Class.—Studying for the Model School Diploma.
- 4.—Kindergarten Class.—Studying for the Kindergarten Diploma.

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5.—Class in Pedagogy.—Preparing for the Academy Diploma.

Detailed information respecting the courses of the four grades first enumerated above may be obtained on application to the Principal of the School, 32 Belmont Street, Montreal.

ACADEMY DIPLOMAS TO GRADUATES.

All holders of model school diplomas that have been granted by the McGill Normal School or that shall hereafter be granted by the Central Board of Examiners, shall be entitled to receive academy diplomas on graduating in Arts at some Canadian or other British University, provided that they pass in Mathematics, Latin, Greek and French at the degree examinations, or failing this, in any subject or subjects, pass examinations in such subject or subjects certified by the universities to have given to the graduate concerned a standing not lower than that of second class at the close of the second year in Arts.

All graduates in Arts of Canadian or other British Universities who have passed in Mathematics, Latin, Greek and French as above defined, and have taken a course and have passed satisfactory examinations in education and in practical teaching under the control of the Universities or of the McGill Normal School as approved by the Protestant Committee of the Council of Public Instruction, shall be entitled to receive academy diplomas. The Central Board of Examiners shall determine who have passed satisfactory examinations in education and in practical teaching in view of the results, which, including examination questions and answers, shall be remitted to the Board by the university examiners, and in view of the recommendations of the professors of education. The Central Board of Examiners is empowered to set one-half of the questions on education, and to prescribe tests of ability to teach and to govern, which must be followed in such examinations.

7.120

To meet the requirements of graduates and undergraduates in Arts, who, not having previously taken a Normal School course, desire to receive Academy diplomas, and until the Universities themselves undertake the work, provision has been made for the delivery of a course of lectures on pedagogy in the Normal School and for practice in teaching in the McGill Model School for fifty half days, open to graduates in Arts of any British or Canadian University, to undergraduates of the third year, and with the permission of the Faculty and the concurrence of the Principal of the Normal School, to those of the fourth year. The hours assigned for these lectures are from 3 p.m. to 4 p.m. on each Tuesday and Friday on which lectures are given in the Faculty of Arts. An examination on this course of lectures is held annually on the 20th day of May, or on the school day next succeeding that date; the hours are from 10 a.m. to 12 noon.

Undergradutes will be permitted to teach the fifty half days referred to above, at times extending over the sessions of the Model School, corresponding to the third and fourth years of their college course. Graduates will be permitted to teach in the Model Schools at such times as may be agreed on with the Principal. Those who teach in the Model Schools are expected to prepare all lessons and discharge all duties assigned them with faithfulness. Failure to teach or to govern in the Model Schools, no less than failure to pass the examination on the course of lectures, endangers the Academy Diploma.

Each person taking this course of study in the Normal School shall be held to be subject to the regulations of the said school and to be under the supervision of its Principal while in attendance thereat, and is required to furnish him with all necessary certificates of standing and of good character, as well as to pay to the Secretary of the Central Board of Examiners the fee of \$4.00 before entering on the Course.

Yassed

Chauvin, Henry Archibald, Sam. Macfarlane, L., I Garneau, L., Macalister, A. W Baker, Geo. H.

First Rank.—Coo

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Second. Rank.-Co

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Normal ns of the Principal nish him nod charal Board : Course.

Yassed the Aniversity Cxaminations.

SESSION 1899-1900

FACULTY OF LAW.

PASSED FOR THE DEGREE OF B.C.L.

(In order of merit.)

Chauvin, Henry N., Montreal. Archibald, Sam. G., B.A. Montreal. Macfarlane, L., B. A. Montreal. Garneau, L., Ottawa. Macalister, A. W. G., Danville, Q. Baker, Geo. H. Sweetsburg, Q.

Margolese, L., Rinfret, T., Walsh, Thos. E., B. A.

Redpath, Jocslyn C., Mackay, Hugh, Montreal.
Montreal.
(Laval)
Montreal.
Montreal.
Montreal.

FACULTY OF ARTS.

PASSED FOR THE DEGREE OF B.A.

In Honours.

(Alphabetically arranged.)

First Rank.—Cook, H. Lester.
Crowell, Bowman C.
Dey, M. Helena.
Garlick, Edythe A.
Johnson, J. Guy Watts.
McGregor, Claire R.
Marcuse, Bella.
Newson, Wm. V.
Nutter, J. Appleton.
Radford, E. Alan.
Weinfield, Henry.
Willis, Jas. J.
Woodley, Edward C

Second. Rank.—Cochrane, Donald.
Cohen, Abraham.
Forbes, Wilfrid.
Hardy, Chas. A.
Jackson, E. Gertrude
Macmillan, Cyrus J.
Rorke, Helen.

Ordinary B.A.

(In order of merit)

Class I.—Ferguson, Colin C.
Elder Robert.

ROWELL, ARTHUR H.

Class II.—LEE, HENRY S.

SMITH, LILLIAN A.
ELLS, SYDNEY C.
MACKINNON, CECIL G.
GRIER, GEO. W.
LUNDIE, JESSIE F.
HOLMAN, CARRIE E.
AINLEY, LAWRENCE.
CRACK, ISAAC E.

DEWITT, JACOB.

Class III.—PERLEY, FRANCIS B.

LAVERIE, JAS. H.

STEWART, DONALD.

FYLES, FAITH.

DUGUID, R. COLIN.

STUDENT REGISTERED IN THE FACULTY OF APPLIED SCIENCE PROCEEDING TO THE DEGREE OF B.A. IN COURSE.

McKenzie, Bertram S.

STUDENTS REGISTERED IN THE FACULTY OF MEDICINE PROCEEDING TO THE DEGREE OF B.A. IN COURSE.

DIXON, JAMES D. LARMONTH, GEO. E.

B.A. IN ABSENTIA.

MEIKLEJOHN, HARRIET T.

STUDENTS IN ARTS REGISTERED IN THE MEDICAL FACULTY WHO WILL BE QUALIFIED TO OBTAIN THE DEGREE OF B.A. IN JUNE, 1900, ON COMPLETING THEIR MEDICAL YEAR.

(In alphabetical order).

RITCHIE, C. F. WALKER, H.

B.A. (Special).

OAKELEY, HILDA D.

ADMITTED TO THE DEGREE OF B.SC. (AD EUNDEM GRADUM).
RUTHERFORD, E., B.Sc. (N.Z.)

BACHELORS OF .

OAKELI HAMM(VAUDR

CARR, KEITH.

BACHELOR OF AI DOVER,

AMDITTED TO TH

MASTER OF ARTS BARLOW

ADMITTED TO THE BARKER, MAHAN, WHITEA

Class I.—CROWELL, HARRIS, S.
IRVING, EL
NOLAN, AN
PLANT V.
PRUYN, W.

MUNN, W.

Class II.—CARLYLE, F.
MURPHY, H.
DIXON, JEN.
WARRINER,
HITCHCOCK,
JACK, M.
MCDONALD,
MCLACHLAN,
CLOGG, VIV.
ELLISON, AI
WALKER, J.

SMITH, MIRIA BICKERDIKE, Class 1111.—CARSON, H. . GREENLEESE, MUIR, K. C. MUNN, E. M.

ASCAH, R. G. Fox, F. H. CROTHERS, H.

COLE, G. E. MILLER, W.

BACHELORS OF ARTS PROCEEDING TO THE DEGREE OF M.A. IN COURSE, OAKELEY, HILDA D.

HAMMOND, ELIZABETH, B.A.
VAUDRY, OLIVE, B.A.
CARR, MURIEL, B.A.
KEITH, HENRY J., B.A.

BACHELOR OF ARTS PROCEEDING TO THE DEGREE OF M.SC. IN COURSE. DOVER, MARY VIOLETTE, B.A.

AMDITTED TO THE DEGREE OF M.A. (AD EUNDEM GRADUM). Cole, W. G., M.A. (Harv.).

MASTER OF ARTS PROCEEDING TO THE DEGREE OF D.SC. BARLOW, ALFRED, M.A.

ADMITTED TO THE DEGREE OF LL.D. HONORIS CAUSA.

BARKER, GEO. F., Prof. of Physics in the University of Penn.

MAHAN, ALFRED T., Captain U.S.N.

WHITEAVES, J. F., F.R.S.C., Geological Survey, Ottawa.

INTERMEDIATE EXAMINATION,

I.-CROWELL, S. G. Class HARRIS, S. L. D. IRVING, ELIZABETH. NOLAN, ANNIE W. PLANT V. L. PRUYN, W. G. MUNN, W. C. Class II.—CARLYLE, E. J. MURPHY, H. H. DIXON, JENNIE D. WARRINER, J. EVA. HITCHCOCK, CAROLINE L.) JACK, M. McDonald, J. A. MCLACHLAN, JESSIE W. CLOGG, VIVIAN E. ELLISON, ADA A. WALKER, J. J. COLE, G. E.
MILLER, W. E.+
SMITH, MIRIAM G. BICKERDIKE, MAY C. Class III.-CARSON, H. A. GREENLEESE, MARY S. MUIR, K. C. MUNN, E. M.+ ASCAH, R. G. FOX, F. H. CROTHERS, H. R.

F TO THE

IE DEGREE

MALIFIED

HEIR

w

ADAMS, C. A.
BLAGRAVE, R. C. (8).
DAY, DAISY. W. (8).
IRELAND, F. C. (8).
OGILVIE, G. L. (8).
PARKER, D. T. (8).

s. With Supplemental in one subject (arranged alphabetically.)
† Morrin College.

FACULTY OF APPLIED SCIENCE.

PASSED FOR THE DEGREE OF BACHELOR OF SCIENCE.

(In Order of Merit.)

CIVIL ENGINEERING.

Ewart, George Robert, Kilauea, Kanai, Hawaiian Islands.

Byers, Archibald Fullarton, Gananoque, Ont. Burgoyne, Stanley John, Halifax, N. S.

ELECTRICAL ENGINEERING.

Allen, Samuel James, Maitland, N. S. Nelson, George John, Montreal.

Duncan, Gaylen Rupert, Montreal.

Glassco, Jack Girdlestone, Hamilton, Ont.

Miller, Angus Kenneth, Bridgeburg, Ont.

St. George, Harry Luxmoore, Montreal.

Cornwall, Clement Arthur Kingscote, Ashcroft, B. C.

Montgomery, George, Morrisburg, Ont.

Fraser, John William, Bridgeville, N. S.

Shepherd, Harry Lawrence, Brockville, Ont. (aegrotat)

MECHANICAL ENGINEERING.

Hamilton, George Milne, Peterboro, Ont. Walker, Frank Wilkes, Montreal. Arkley, Lorne McKenzie, East Angus, Que. Macmaster, Arthur William, Montreal. Ne Sm

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ADMITTED TO TH

Owens, Robert Bowie Rutherford, Ernest, 1

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Coker, Ernest George, Hutchinson, William & Kirkpatrick, Stafford Owens, Robert Bowie, Rutherford, Ernest, B.S Stovel, Russell Wellesh Whiteside, Orton Edwa Yuile, Norman McLeod Neville, Thomas Patrick Joseph, Halifax, N. S. Smith, George Barnett, Stratford, Ont. Osborne, James Ewart Kerr, Toronto, Ont.

also (special)

Percy, Howard Meredith, Montreal.

MINING ENGINEERING.

Gillean, Robert Hampson, Montreal.

Robertson, Philip Wm. Katanin, Mexico City, Mex.
Corriveau, Raoul de Besserer, Iberville, Que.
Moore, Ernest Vivian, Peterboro, Ont.
Maclennan, Frank William, B.A.Sc., Cornwall, Ont.
Cowans, Frederick, Montreal.
Buchanan, Fitzherbert Price, Montreal.
Nicholls, Harry Graburn, Toronto, Ont.
Stevens, Angus Pattee, Dunham, Que.
(also, in alphabetical order)
Allan, Leigh, Tacoma, Wash., U.S.A.
Andrewes, Edward, Grimsby, Ont.
Leman, Beaudry, Montreal.

PRACTICAL CHEMISTRY.

Barber, Rene Raoul, Georgetown, Ont.

ADMITTED TO THE DEGREE OF BACHELOR OF SCIENCE.

(Ad eundem.)

Owens, Robert Bowie, E.E. (Columbia, Johns Hopkins.) Rutherford, Ernest, M.A., B.Sc. (N.Z.)

ADMITTED TO THE DEGREE OF MASTER OF SCIENCE.

(In Course.)

Coker, Ernest George, B.Sc. (Cambridge, Edinburgh and McGill.)
Hutchinson, William Scott, B.Sc. (McGill.)
Kirkpatrick, Stafford Frederick, B.Sc. (McGill.)
Owens, Robert Bowie, B. Sc. (Columbia, Johns Hopkins, McGill.)
Rutherford, Ernest, B.Sc. (N.Z. and McGill).
Stovel, Russell Wellesley, B.A.Sc. (McGill.)
Whiteside, Orton Edward Simpson, B.A.Sc. (McGill.)
Yuile, Norman McLeod, B. Sc. (McGill.)

G.

CIENCE.

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ADMITTED TO THE DEGREE OF DOCTOR OF SCIENCE.

(In Course.)
Barnes, Howard Turner, M.Sc. (McGill.)

FACULTY OF COMPARATIVE MEDICINE AND VETERINARY SCIENCE.

PASSED FOR THE DEGREE OF D.V.S.

Humphries, B. F. Stanbridge, G. W. Allen, F. T. Smith, W. C. Boston, Mass, Hubbardston, Mass. Springfield, Mass. Winnipeg, Man.



I. Se

Year of Award.	Names of Sch
1898	Radford, E. Ala
1898	Dey, Mary Hele
1898	Cochrane, Dona
1898	Ferguson, Colin
1898	Nutter, J. Apple
1899	Barrington, Fre
1899	MacNaughton, \
1899	Copeman, Jos. H
1899	Cotton, Wm U.

II. E

Names of Exhibitioners.

Munn, W. Clement Crowell, Sam G. Wisdom, Katherine F. Healy, Walter J. McGougan, Edward McMorran, T. S. Angus, Jean M.

Lundie, Helen

Dease, Jean P.

Leaman, John C. Lomer, Gerhard R.

At the First Year Exson, value \$50 each, were

IENCE.

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Scholarships and Exhibitions.

SESSION 1899-1900.

FACULTY OF ARTS.

I. SCHOLARSHIPS (Tenable for two years).

Year of Award.	Names of Scholars.	Subjects of Examination.	Annual Value.	Founder or Donor.
1898	Radford, E. Alan	Mathematics	\$125	Sir W. C. Macdonald
1898	Dey, Mary Helen	Mathematics	125	Lord Strathcona and Mount Royal
1898	Cochrane, Donald	Nat. Science	125	Sir W. C. Macdonald
1898	Ferguson, Colin C.	Class. & Mod. Lang	100	Miss Barbara Scott
1898	Nutter, J. Appleton	Class. & Mod. Lang	90	Chas. Alexander, Esq.
1899	Barrington, Fred H.	Mathematical	125	Sir W. C. Macdonald
1899	MacNaughton, W.G.		125	Sir W. C. Macdonald
1899	Copeman, Jos. Hodge	Class. & Mod. Lang		Anonymous
1899	Cotton, Wm U.			Anonymous

II. EXHIBITIONS (Tenable for one year).

NAMES OF EXHIBI- TIONERS.	Academic Year.	Annual Value.	Founder or Donor.
Munn, W. Clement	Second	\$125	George Hague, Esq.
Crowell, Sam G.	66	125	Sir W. C. Macdonald
Wisdom, Katherine F.	First	120	Anonymous
Healy, Walter J.	" "	125	Sir W. C. Macdonald
McGougan, Edward	1 "	125	Sir W. C. Macdonald
McMorran, T. S.	66	125	Sir W. C. Macdonald
Angus, Jean M.	"	100	Lord Strathcona and Mount Royal
Lundie, Helen	"	Ico	Lord Strathcona and Mount Royal
Dease, Jean P.	"	100	Lord Strathcona and Mount Royal
Leaman, John C.	"	125	Sir W. C. Macdonald
Lomer, Gerhard R.	. "	125	Sir W. C. Macdonald

At the First Year Exhibition Examination, Bursaries, given by Dr. Johnson, value \$50 each, were awarded to Gui C. Couture and Ada D. Dickson.

Prizes, Honours and Standing.

Session 1899-1900.

FACULTY OF LAW.

RESULTS OF EXAMINATIONS.

THIRD YEAR.

H. N. Chauvin, First Rank Honours, Elizabeth Torrance Gold Medal and Prize of \$40.

S. G. Archibald, First Rank Honours and Prize of \$40.

L. Macfarlane, First Rank Honours and Prize of \$25.

STANDING IN THE CLASSES.

ROMAN LAW-Dean Walton, Examiner.

Chauvin, Archibald, Macalister, Garneau, Macfarlane and Walsh, Baker, Redpath, Margolese and Rinfret, equal; Mackay.

CONSTITUTIONAL LAW-Dean WALTON, Examiner.

Archibald, Garneau, Chauvin, Rinfret, Baker, Macfarlane, Macalister, Margolese, Mackay, Walsh, Redpath

AGENCY AND PARTNERSHIP-Prof. McGoun, Examiner.

Chauvin, Macfarlane, Baker, Rinfret, Garneau, Macalister and Margolese, equal; Archibald, Mackay, Walsh and Redpath, equal.

SUCCESSIONS, GIFTS AND SUBSTITUTIONS—Hon. Mr. Justice DOHERTY, Examiner.

Chauvin, Garneau, Macalister, Macfarlane, Margolese, Archibald and Rin fret, equal; Baker, Mackay, Redpath, Walsh.

MARRIAGE COVENANTS, MINOR CONTRACTS, MUNICIPAL LAW-Prof. Fortin, Fxaminer.

Chauvin, Archibald, Rinfret, Macfarlane, Walsh, Garneau, Margolese, Baker, Macalister, Mackay, Redpath.

REAL RIGHTS-Prof. MARLER, Examiner.

Chauvin, Archibald, Macfarlane, Garneau, Rinfret, Margolese, Mackay and and Baker, equal; Macalister, Walsh, Redpath.

INTERNATIONAL LAW-Prof. LAFLEUR, Examiner.

Macfarlane, Chauvin, Archibald, Macalister, Garneau, Margolese, Redpath, Rinfret, Baker, Walsh, Mackay.

CRIMINAL LAW-Hon. Mr. Justice DAVIDSON, Examiner.

Chauvin, Redpath, Macalister, Macfarlane, Walsh, Archibald, Garneau, Baker, Margolese, Rinfret, Mackay.

COMMERCIAL LAY

Chauvin, Ar Mackay, R

OBLIGATIONS-Mr.

Archibald, Cl equal; Mar

CIVIL PROCEDURE

Chauvin, Mars Macalister,

Place, E. G., B.A., First Campbell, G. A., B.A., McMichael, R. C., First Doak, A. E., First Ranl Thompson, J. R., First Rowat, D. M., B.A., First

IN ADDITION THE FOLL

Mann, Skinner, McMaster Normandin.

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AGENCY AND PARTN

Doak, McMaster, Moffatt, Skinne mandin.

MARRIAGE COVENANT

Place, Campbell, 1 Mitchell, Hold Curran.

GIFTS AND SUBSTITUT

Place, Campbell, Holden, McMast Springle, Norma

REAL PROPERTY LAW-Place and Rowat, et Skinner Holden

Skinner, Holden, The last six a

PRIVATE INTERNATION.
Place, Campbell, Ro

Westover; Mann Springle, Normand COMMERCIAL LAW-Prof. SMITH, Examiner.

Chauvin, Archibald, Macfarlane, Macalister, Margolese, Garneau, Baker, Mackay, Rinfret, Redpath, Walsh.

>

OBLIGATIONS-Mr. GEOFFRION, Examiner.

Archibald, Chauvin, Macalister, Walsh, Macfarlane, Garneau and Baker, equal; Margolese, Redpath, Rinfret, Mackay.

CIVIL PROCEDURE-Mr. RYAN, Examiner.

Chauvin, Margolese, Macfarlane, Garneau, Archibald and Baker, equal; Macalister, Rinfret, Mackay, Redpath, Walsh.

SECOND YEAR.

Place, E. G., B.A., First Rank General Standing and Prize of Fifty Dollars.

Campbell, G. A., B.A., First Rank General Standing and Prize of \$25.

McMichael, R. C., First Rank General Standing.

Doak, A. E., First Rank General Standing.

Thompson, J. R., First Rank General Standing.

Rowat, D. M., B.A., First Rank General Standing.

IN ADDITION THE FOLLOWING PASSED THE SESSIONAL EXAMINATIONS, IN ORDER OF MERIT.

Mann, Skinner, McMaster, Moffatt, Mitchell, Holden, Westover, Springle, Curran, Normandin.

STANDING IN THE CLASSES.

AGENCY"AND PARTNERSHIP-Prof. McGoun.

Doak, McMaster, Thompson, Place, McMichael, Campbell, Rowat, Mann, Moffatt, Skinner, Curran, Holden, Mitchell, Springle, Westover, Normandin.

MARRIAGE COVENANTS AND MINOR CONTRACTS-Prof. FORTIN.

Place, Campbell, McMichael, Thompson, Mann, Doak, Rowat, Normandin, Mitchell, Holden, Skinner, Moffatt, Springle, McMaster, Westover, Curran.

GIFTS AND SUBSTITUTIONS—Hon, Mr. Justice Doherty.

Place, Campbell, Thompson, McMichael and Doak, equal; Rowat, Mann Holden, McMaster, Moffatt, Skinner, Mitchell, Westover, Curran, Springle, Normandin.

REAL PROPERTY LAW-Prof. MARLER.

Place and Rowat, equal; Doak, Thompson, McMichael, Campbell, Mann, Skinner, Holden, Normandin, Moffatt, McMaster, Westover, Springle.

The last six all equal. Mitchell, Curran.

PRIVATE INTERNATIONAL LAW-Prof. LAFLEUR.

Place, Campbell, Rowat, McMichael, Doak, Thompson, Holden, McMaster, Westover; Mann and Mitchell, equal; Moffatt, Skinner, Curran, Springle, Normandin.

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alsh, Baker,

Macalister,

1 Margolese,

DOHERTY

LAW-

Margolese,

lackay and

, Redpath,

Garneau,

CRIMINAL LAW--Hon. Mr. Justice DAVIDSON.

Campbell, Place, Thompson, McMichael, Doak, McMaster, Mann, Skinner and Rowat, equal; Mitchell and Westover, equal; Moffat, Holden, Normandin, Springle, Curran.

COMMERCIAL LAW-Professor R. C. SMITH.

Doak, Thompson, Place, McMichael, Campbell, Rowat, Skinner, Normandin, and Moffat and Mitchell, equal; Mann, Holden, McMaster, Westover, Springle, equal; Curran.

CONSTITUTIONAL LAW -Dean WALTON.

McMichael, Campbell, Rowat, Place, Mitchell, Thompson, Doak and Mann, equal; McMaster and Skinner, equal; Holden and Springle, equal; Westover, Moffatt, Curran, Normandin.

CIVIL PROCEDURE-Mr. RYAN, Examiner.

Place, Campbell, Doak, McMichael, Mann, Rowat and Thompson, equal; Moffat, Skinner, Holden, Westover, Mitchell, McMaster, Normandin, Curran, Springle.

FIRST YEAR.

- A. Wainwright, B.A., First Rank General Standing and Scholarship of One Hundred Dollars.
- C. M. Cotton, B.A., and C. G. Ogden, equal; First Rank General Standing and Scholarship of Fifty Dollars each.

F. F. Astle, First Rank General Standing.

W. Gariépy, B.A., First Rank General Standing.

A. H. Duff, B.A., First Rank General Standing.

IN ADDITION TO THE ABOVE THE FOLLOWING PASSED THE SESSIONAL EXAMINATIONS IN ORDER OF MERIT.

Aylmer, Brown, Vipond, Bonin, Cooper, Staveley, Belknap.

STANDING IN THE CLASSES.

ROMAN LAW-Dean WALTON.

Wainwright; Cotton and Ogden, equal; Astle, Gariépy, Duff, Brown, Bonin, Aylmer, Vipond, Couper, Belknap, Staveley.

CONSTITUTIONAL LAW-Dean WALTON.

Wainwright and Ogden and Duff, equal; Cotton, Gariépy, Astle, Aylmer, Brown, Vipond, Bonin, Staveley, Belknap, Couper.

LEGAL HISTORY-Prof. McGoun.

Wainwright, Gariépy, Cotton, Ogden, Brown, Duff, Astle, Bonin, Aylmer, Couper, Vipond, Belknap, Staveley.

REAL RIGHTS-Prof. MARLER.

Wainwright; Vipond and Astle, equal; Cotton, Staveley, Duff, Gariépy, Aylmer, Ogden, Brown, Couper, Bonin.

LAW OF PERSONS-Prof. LAFLEUR.

Wainwright, Astle, Ogden, Cotton, Gariépy; Couper and Duff, equal Bonin, Vipond, Brown, Aylmer and Belknap, equal; Staveley.

LAW OF OBLI

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CIVIL PROCE

Ogden : Vipor

Ogden;

The Special
1 Wainwrigh
2 Cotton and

FACUL

Veterinary Med Anatomy—Geo Cattle Patholog Pharmacology Biology or Bota

For the best es Humphries; 2nd,

B.A. I

Johnson, J. Guy Radford, E. Alan

RADFORD, E. ALAN WILLIS, S. J.—Fil GARLICK, EDYTHE. FORBES, WILFRID!

B.A. Hor

NEWSON, WM. V.— MARCUSE, BELLA.— COCHRANE, DONALI Mann, Skinner Moffat, Holden,

nner, Normanister, Westover,

oak and Mann, ringle, equal;

mpson, equal; r, Normandin,

f One Hundred

Standing and

EXAMINATIONS

Duff, Brown,

Astle, Aylmer,

nin, Aylmer,

Juff, Gariépy,

l Duff, equal

LAW OF OBLIGATIONS-MR. AIMÉ GEOFFRION.

Ogden; Wainwright and Cotton, equal; Astle, Duff, Gariepy, Bonin Aylmer, Vipond, Staveley, Brown, Belknap, Couper.

CIVIL PROCEDURE-MR. GORDON W. MACDOUGALL.

Ogden and Wainwright, equal; Astle, Couper, Gariépy, Cotton, Duff, Vipond, Bonin, Aylmer, Brown, Belknap, Staveley.

The Special Prizes in Roman Law were awarded as follows:

1 Wainwright,

2 Cotton and Ogden, equal

FACULTY OF COMPARATIVE MEDICINE AND VETERINARY SCIENCE.

PRIZES.

Veterinary Medicine and Surgery—B. F. Humphries. Anatomy—Geo. Kennedy. Cattle Pathology—B. F. Humphries. Pharmacology and Therapeutics—B. F. Humphries. Biology or Botany—A. D. Harrington.

EXTRA PRIZES.

For the best essay read before the Veterinary Medical Association—1st, B. F. Humphries; 2nd, F. T. Allen.

FACULTY OF ARTS.

GRADUATING CLASS.

B.A. Honours in Mathematics and Natural Philosophy.

JOHNSON, J. GUY WATTS —First Rank Honours and Anne Molson Gold Medal. RADFORD, E. ALAN.—Second Rank Honours.

B.A. Honours in Classics.

RADFORD, E. ALAN.-First Rank Honours and Chapman Gold Medal.

WILLIS, S. J .- First Rank Honours and Medal Prize.

GARLICK, EDYTHE .- First Rank Honours.

FORBES, WILFRID M .- Second Rank Honours.

· B.A. Honours in Geology, Mineralogy and Palaentology.

NEWSON, WM. V .- First Rank Honours.

MARCUSE, BELLA .- First Rank Honours.

COCHRANE, DONALD .- Second Rank Honours.

B. A. Honours in Mental and Moral Philosophy.

MARCUSE, BELLA.-First Rank Honours and Prince of Wales Gold Medal.

McGregor, Claire R .- First Rank Honours and Medal Prize.

COOK, LESTER H .- First Rank Honours.

CROWELL, BOWMAN C .- First Rank Honours.

COHEN, ABRAHAM .- Second Rank Honours.

HARDY, CHS. A .- Second Rank Honours.

B.A. Honours in English Language, Literature and History.

NUTTER, J. APPLETON, -First Rank Honours and Shakspere Gold Medal.

WOODLEY, EDWARD C .- First Rank Honours.

WEINFIELD, HENRY .- First Rank Honours.

ROBKE, HELEN.-Second Rank Honours.

MACMILLAN, CYRUS J .- Second Rank Honours.

JACKSON, E. GERTRUDE. - Second Rank Honours.

B.A. Honours in Modern Languages and History.

DEY, M. HELENA.—First Rank Honours and Minto Gold Medal; Alliance Française Silver Medal.

First Rank General Standing.

FERGUSON, COLIN C .- Hiram Mills Gold Medal. Special Certificate.

ELDER, ROBT.—Special Certificate.

ROWELL, ARTHUR H.—Alliance Française Bronze Medal. Special Certificate.

THIRD YEAR.

BARRINGTON, FRED. H.—First Rank Honours in Mathematics and Natural Philosophy and Prize; First Rank General Standing; Prize in Latin.

WILLIAMS, HENRY S.—First Rank Honours in Mental and Moral Philosophy and Prize; First Rank General Standing; Prize in Latin.

McLeon, Angus B.—First Rank Honours in Mental and Moral Philosophy; First Rank General Standing; Prize in Hebrew.

Bennett, Winifred C.—First Rank Honours in Modern Languages and History; First Rank General Standing; Prize in French.

PAGE, HARRIET.—First Rank Honours in Modern Languages and History, Alliance Française Bronze Medal; Prize in German.

McDonald, John.—First Rank Honours and Prize in English Language, Literature and History.

COPEMAN, Jos. H .- First Rank Honours in Classics.

CHIPMAN, WARWICK F .- First Rank Honours in Mental and Moral Philosophy.

FLINT, MARY F .- Second Rank Honours in Mental and Moral Philosophy.

McNaughton, Wm. G.—Second Rank Honours in Natural Science; Prize in Botany; Prize in Zoology.

TEES, FRED.—So
MITCHELL, SYDN
History
LOCHEAD, ARTHO
and His
DICKSON, NORVAL
COTTON, WM. U.

Barrington, Willi McNaug (S. O.), equal; Mitchell

. .

Boulter, McEwen,

CROWELL, SAMUEI Prize in M

MUNN, W. CLEMEN First Rank

HARRIS, SPENCER

IRVING ELIZABETH Standing; NOLAN, ANNIE W. (

in Chemisti Pruyn, Wm. G. (Na

Chemistry.
PLANT, VERNER L.-

French.

Carson, Herman A

Class I.—Crowell, H Class II.—Carlyle and McDona Cole and Mil

Crothers, equ Parker (s) (s).—With Supp

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tificate.

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hy; First

History ;

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iterature

sophy.

ly. Prize in TEES, FRED .- Second Rank Honours in English Language, Literature and History.

MITCHELL, SYDNEY—Second Rank Honours in English Language, Literature and History.

LOCHEAD, ARTHUR W.—Second Rank Honours in English Language, Literature and History.

DICKSON, NORVAL.—First Rank General Standing; Prize in Greek.

COTTON, WM. U .-- Prize in Sanscrit.

THIRD YEAR.

PASSED THE SESSIONAL EXAMINATION.

Barrington, Williams; Dickson and McLeod, equal; Bennett, Fuller, Page, Tees, McNaughton, Flint, Lindsay; Copeman and Harper and McMurtry (S. O.), equal; Charters and McDonald, equal; Cotton and Scrimger, equal; Hickson, Moffatt and Huxtable, equal; Chipman, Molson, Mitchell (S.), Stephens, Lochead.

STUDENTS REGISTERED IN THE MEDICAL FACULTY.

Arranged alphabetically.

Boulter, McEwen, McPherson, Mitchell (I.), Strong.

SECOND YEAR.

CROWELL, SAMUEL G. (Yarmouth Academy, N. S.)—First Rank Honours and Prize in Mathematics; First Rank General Standing.

Munn, W. Clement (Quebec H. S.)—Second Rank Honours in Mathematics, First Rank General Standing; Prize in Sanscrit; Prize in English.

HARRIS, SPENCER L. DALE (Private Tuition)-First Rank General Standing.

IRVING ELIZABETH (Prince of Wales College, P. E. I.)—First Rank General Standing; Prize in German.

NOLAN, ANNIE W. (Westmount Academy)—First Rank General Standing; Prize in Chemistry.

PRUYN, WM. G. (Napanee Coll. Inst.)—First Rank General Standing; Prize in Chemistry.

PLANT, VERNER L.—First Rank General Standing; Prize in English; Prize in French.

CARSON, HERMAN A .- Prize in Hebrew.

SECOND YEAR.

PASSED THE SESSIONAL EXAMINATION.

Class I .- Crowell, Harris, Irving, Nolan and Plant and Pruyn, equal; Munn.

Class 11.—Carlyle and Murphy, equal; Dixon, Warriner; Hitchcock and Jack and McDonald, equal; McLachlan, Clogg and Ellison, equal; Walker; Cole and Miller (†) and Smith, equal; Bickerdike.

Class III.—Carson and Greenleese and Muir, equal; Munn (†), Ascah; Fox and Crothers, equal; Adams, Blagrave (s), Day (s), Ireland (s), Ogilvie (s) Parker (s)

(s).—With Supplemental examination in one subject (arranged alpha betically).

FIRST YEAR.

- MACMILLEN, HENRY G. (Prince of Wales Coll. P.E.I.)-First Rank Honours in Mathematics and Prize.
- LUNDIE, HELEN (Montreal H. S.)-First Rank Honours in Mathematics and Prize; First Rank General Standing; Prize in Greek .- Prize in Latin.
- WISDOM, KATHARINE (St. John H. S., N.B.)-First Rank Honours and Prize in Mathematics; First Rank General Standing; Prize in German; Coster Memorial Prize.
- McLeish, John (Private Tuition)-First Rank Honours in Mathematics; First Rank General Standing.
- HEALEY, WALTER JOSEPH (St. Francis College School)-First Rank General Standing.
- DICKSON, ADA D. (Pembroke High School)-First Rank General Standing.
- COUTURE, GUI. C. (Montreal H. S.)-Prize in English and History.
- Angus, Jean M. (Westmount Academy)-Prize in Greek.
- PARKIN, MAUDE E .- Prize in French.

FIRST YEAR.

PASSED THE SESSIONAL EXAMINATION.

- (i) For course leading to B.A.
- Lundie, Wisdom, Healy, Dickson, Davidson and Seaman, equal; Parkin (M.) and Wales, equal; Holman, Angus and Lomer, equal; Couture, Joseph, Paul §, Anderson and Belyea and Harris and Troop, equal; Cole ;, McMorran, Mackay, Pattison, Hadrill, Burpee § and Campbell § and Philip §, equal; MacMillen, East and Parkins (E.), equal; Dutaud, Budyk, Simister, Bridgettes t, Cameron (s), Fripp (s), Gnaedinger (s), Hannington (s), Mc-Conaghy ; (s), Pownall (s).
 - (2) For course leading to B.Sc.

McLeish, Dunlop (8).

(s) With Supplemental examination in one subject (arranged alphabetically).

SUPPLEMENTAL EXAMINATIONS.

PASSED.

September to Christmas, 1899.

(a) Supplemental Sessional.

- THIRD YEAR-Reford (L. L.), Perley, (F. B.)
- SECOND YEAR-Brodie (H. H.), McMurtry (G. O.), McMurtry (S. O.), Mc att (J. A.), Mount (H. P.), Scott (W. J.).
- FIRST YEAR--Crothers (H. R.), McDonald (J. A.), Greenleese (W. S.), Baillie (M. 1.).
 - (b) Supplemental in one Subject.
- SECOND YEAR-Charters (H.), Chipman (W. F.), Huxtable (G. M.), Molson (P.). FIRST YEAR-Ascah (R. G.), Blagrave (R. C.), Browne (H. D.), Eaton (C.), Ogilvie (G. L.).

STANDI

STUDENTS

GREEK.

Class I.

Willis Radford, Garlick, Ferguson.

Class 11.

Smith, L. A.

Class III.

Forbes. Ainley.

LATIN.

Class 1.

Ferguson, * Radford, Willis, Garlick.

Class II.

Rowell, Smith, Holman, Lundie, Ells, Forbes.

Class III.

Crack, Grier, McKinnon, Perley, Duguid, Fyles. †

Morrin College. Stanstead Wesleyan College. Vancouver College.

^{*} Distinction in Examin †Morrin College. † Stanstead Wesleyan C Vancouver College.

Honours in

s and Prize; atin. nd Prize in nan; Coster

natics; First

nk General

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kin (M.) and eph, Paul §, McMorran, ip \$, equal; ;, Simister, ton (s), Mc-

betically).

.), Me att

3.), Baillie

on (P.). laton (C.),

STANDING IN THE SEVERAL SUBJECTS.

STUDENTS OF EQUAL STANDING ARE BRACKETED TOGETHER.

B. A. ORDINARY.

GREEK.	MECHANICS.	ASTRONOMY AND OPTICS.
Class I.	Class I.	
Willis	Elder,	Class I.
Radford,	Ferguson,	Elder,
Garlick,	Lee,	Johnson,
Ferguson.	Cochrane,	Rowell,
r erguson.	Nutter,	Radford,
Class 11.	Rowell,	Lundie,
bey 1	Smith,	Ferguson,
Smith, L. A.	Mackinnon.	Holman.
Class III.	Class II.	Class II.
Forbes,	Hardy,	Cooke,
Ainley.	Ells,	Crack.
	Ainley,	a
LATIN.	Grier.	Class III.
Class I.	Class III.	Smith,
		Perley,
Ferguson, *	Millar,	Fyles,
Radford,	Fyles,†	Duguid,
Willis,	MacMillan,	Scott.
Garlick.	Learmonth,	
	Newson,	EXPERIMENTAL
Class II.	Stewart,	PHYSICS.
	Smith,	
Rowell,	Duguid,	Class 1.
Smith,	Laverie,	None.
Holman,	Dewitt.	
Lundie,		Class II.
Ells,	BOTANY.	Johnson,
Forbes.	BOTANT.	Radford.
Class III.	Class I.	
Ctuss 111.	Ctuse 1.	Class III.
Orack,	Class II.	Scott.
Grier,	01440 111	
McKinnon,	Class III.	LABORATORY COURSE
Perley,		
Duguid,	Reford, L.	Class I.
Fyles. †		Scott
		Class II.
		경기 없는 시작에서 하지 않아야다. 얼마나 나는 나는 나는 나는 것이 없는 것이다.
		Radford Johnson

^{*} Distinction in Examinations. †Morrin College. † Stanstead Wesleyan College. † Vancouver College.

B. A. ORDINARY.

MORAL PHI	LOSOPHY.	ENGLISH.	GERMAN.
Class 1.		Class 1.	Class 1.
Marcuse,		Ferguson,	Dey,
Rowell,		Nutter,	Fyles †
Millyard,		Ells,	Ferguson.
Ferguson,		Grier,	-
Lee,)	Rowell,	HEBREW.
McGregor,	}	Woodley,	Class I
Elder,	,	Scott,	Class 1.
Sawyer,)	Smith,	N
Smith,	}	Holman,	None.
Crowell,	,	Johnson, H. (B.A.).	Class II
Cooke.		oomson, 11. (b.11.).	$Class\ II.$
Cooke.		Class II.	1 oo 11 S
Class 11.		211	Lee, H. S.,
014 11.		Keith,	Class III.
Dixon,		McGregor, }	Ctass 111.
Rowan,		Perley,	Stowart D
Walker,		Ainley,	Stewart, D.
Crack,)	Macmillan, }	CEM OCK
Lamb,	}	Rorke,	GEOLOGY.
Hamilton,	,	DeWitt,	Class I.
Cohen,		Jackson,	Marcuse,
Ainley,		Duguid.	Newson,
Scott, H. E.,		Dagara	Elder,
Fyles,		Class III.	Cochrane,
Hardy	1	00000 111.	Keith,
Laverie,	1	Mackinnon,)	McKinnon,
Mackinnon,	}	Millar,	A : 1)
Perley,	1	Weinfeld,	Reford,
Clarke,)	Fyles †	, ,
Coone,)	Laverie,	Class II.
Greenaway.	}	Lundie.	
Greenaway.	,	nundic.	Lundie,
Class 111.		FRENCH.	Ells,
Class III.		r ithi. on.	Stewart,
Ells.		Class I.	Crack,
Grier,	1	00388 1.	Laverie,
Lloyd,	1	Rowell,	Lee,
Lundie,	-	Dey,	Swinton,
Mathieson,		Ritchie,	Perley.
Vickery,		Elder,	
Holman,)	Johnson, H. (B.A.),	Class III.
Woodley,		Holman,	
Stweart,		Cohen,	Mathieson,
Turkington		Dixon.	Miller.
Swinton,	,	Dixon.	WOOLOGY
Ashton,		Class II.	ZOOLOGY.
Bailey,)	Cta 11.	Class 1.
Barker,		Crowell,	
Ritchie,	(Walker,	Grier.
Duguid.	,	Jackson,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Duguid.		Weinfeld,	Class II.
		Rorke.	
	14	Itoriac.	Ainley.
		Class III.	
			Class III.
		Crack,	
		Reford.	Reford.

McMurtry, S. O., Scott, Chipman, Moffatt, Stephens, McMurtry, G. O., Molson, Scrimger, Fraser, Huxtable, Laverie,

McMurtry, S. O.,

GREEK.

Dickson * (Prize), Barrington, Copeman.

LATIN.

Williams, *(Prize).
Barrington, (Prize)
Dickson,
Copeman.

Class 1.

Class 11.

Class III. Mount, Fuller.

Class 1.

Class II.

Harper, Lindsay, Cotton, Brown,

Flint, Hickson, Fuller, Smith, †

Class III. Mitchell,

Laverie,

Jeakins, Cotton.

Honours in BARRI

^{*} Distinction in Examination
† Morrin College.

‡ Stanstead Wesleyan College
§ Vancouver College.

^{*} Distinction in Examination.
† Morrin College.
† Stanstead Wesleyan College.
† Vancouver College.

	THIRD YEAR.	
GREEK.	MECHANICS.	ASTRONOMY AND
Class 1.	Class 1.	OPTICS.
Dickson * (Prize), Barrington, Copeman. Class 11. Jeakins, [McLeod, McPherson, Barrington, McEwen, Molson, Williams.	Class I. Barrington, Flint, Charters, McMurtry, G., Fuller,
Cotton.'	Class II.	Dickson, McLeod.
Class III. Mount, Fuller.	Fuller, Tees, Moffatt, Dickson,	Class 11. Cotion, Smith,†
LATIN.	Smith, † } Charters, Flint, Hickson, McMurtry,	McDonald, Hickson, Huxtable, Lindsay, Tees.
Williams, *(Prize). Barrington, (Prize) Dickson, Copeman.	McDonald,) Mitchell, I. E., Viner, Huxtable, Bennett.	Harper, Mowatt, Stephens.
Class II. Harper, Lindsay, Cotton, Brown, Flint, Hickson, Fuller, Smith, † Class III. Mitchell, McMurtry, S. O., Scott, Chipman, Moffatt, Stephens, McMurtry, G. O., Molson.	McNaughton, Lindsay, Cotton, Scrimger, Harper, Strong, Page, Fraser, † Jeakins, Scott, Lochead, Stephens, Brodie, Chipman, McMurtry, G. O., Boulter, Mitchell, S., Copeman.	Molson, P., } Fraser, † Mitchell, S., Viner, Brown, Lochead, Chipman, White. EXPERIMENTAL PHYSICS. Class I. Barrington, Tees.
Molson, Scrimger, Fraser, Huxtable, Laverie,		LABORATORY COURSE. Class 11.
	in Mathematics and Natur	Barrington,
2201104110		at I hitosophy.

arics and Natural Philosophy. BARRINGTON, F. H .- First Rank Honours.

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^{*} Distinction in Examination,
† Morrin College,
‡ Stanstead Wesleyan College,
§ Vancouver College,

THIRD YEAR.

ENG	LISH.	METAPHYSICS.	FRENCH.
Class I.		Class I.	Class 1.
Harper, Tees. Class II. Lindsay, Copeman, Smith † Lochead, McDonald, Chipman, Charters, Molson. Class III. White, Mitchell, Mowatt, Fraser Flint.	}	Williams, Johrson, H. (B.A.), McEwen, Chipman, Flint, MacLeod, Hickson, McMurtry, S. O, Lindsay. Class II. Fuller, Sawyer, Dickson, Cotton, Scrimger, Viner, Boyd, Mount. Class III. Charters, Greenaway, Sutcliffe, Mowatt, Ashton, Stillmann, McKelvey, Stephens.	Bennett, Page, William. Class II. Dickson, Huxtable, Hickson, Mitchell, McDonald, Brodie. Class III. Stephens, Strong, Moffatt, White, Barrington, Fuller, MacNaughton, Molson, McMurtry (G.) McPherson, Harper. GERMAN. Class I. Page, Bennett. Class II. Mitchell (I. E.), Huxtable. Class III. Boulter, Scott.

ZOOLOG

Class I.

McNaughton.

Class II.

McMurtry, S. O., Brodie, Moffatt, Scrimger.

BOTANY.

Class I.

McNaughton, Fuller, Scrimger, Page, Craig, Bennett.

Class II.

Brodie.

HEBREW.

MacLeod, A. B. (Prize).

Class 1.

Class 11.

Brown, A. V.

Distinction in Examination.

† Morrin College.

‡ Stanstead Wesleyan College

§ Vancouver College.

THIRD YEAR

Distinction in Examination, Morrin College, Stanstead Wesleyan College, Vancouver College.

THIRD YEAR

SECOND YEAR.

ZOOLOGY.

GREEK.

LATIN.

Class I.

McNaughton.

Class I.

Class I.

Class II.

Crowell, Munn, W. C., Warriner.

Plant, Murphy, Crowell, Irving, Harris, Smith.

McMurtry, S. O., Brodie, Moffatt, Scrimger.

Class II.

BOTANY.

Jack, Carlyle,

Class I.

Clogg, Fox. Class III. Class 11.

McNaughton, Fuller, Scrimger, Page, Craig, Bennett.

Miller †
Smith, M. G.,
Munn, M., †
Day,
Carson.

Ellison, Carlyle, Jack, Munn, Dixon, Muir, Nolan,

Ogilvie, Warriner, Pruyn, McDonald.

Class II.

Brodie.

Class III.

Cole, Hitchcock, Bickerdike, Miller, †

Fox,
Munn, †
Clogg,
McLachlan,
Greenleese,

Day,
Adams,
Ascah,
Blagrave,
Crothers.

RMAN.

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ton,

(G.)

ENCH.

. E.),

BREW.

V.

A. B. (Prize).

[•] Distinction in Examination, † Morrin College, † Stanstead Wesleyan College, § Vancouver College.

SECOND YEAR.

		SECOND IEAR	•
SOLID GE CONIC SI AND DYI	ECTIONS	ALGEBRA AND SPHEI ICAL TRIGONO- METRY.	R- LOGIC.
Class 1. Crowell, Pruyn, Harris, Miller,† McDonald, Plant. Class II. Clogg, Munn,† Ellison, Dixon, Nolan, Munn. Class III. Cole, Warriner, Baille, Ascah, Fox, Adams, Muir, Smith.	}	Crowell, Pruyn, Harris, McDonald, Munn, Dixon, Nolan. Class II. Warriner, Plant, Adams, Clogg, Muir. Class III. Fox, Cole, Smith, Ogilvie, Miller,† Ellison, Munn,† Baillie, Ascah.	Carlyle, Crowell, Dixon Plant, Munn, Nolan, Warriner. Harris, Irving. Class II. Blagrave, Miller,† Hitchcock, Pruyn, Day, Bickerdike, Clogg, Ascah, Jack, Cole, Ellison, McDonald, McLachlan, Walker.
		Honours in Mathematics.	Greenleese, Adams, Muir, Parker, Woodside, Smith, Boyd, Carson, Ireland, Mutchell, Noyes, Browne, Crothers, Fox, Wotherspoon, Price, Baillie, Stillman.

Honours in Mathematics. CROWELL, - First Rank and Prize. MUNN, - First Rank.

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ZNGLISH LANG AND LITERAT

Class I.

Munn, W., Plant, Harris, Carlyle, Irving, Nolan.

Class II.

Crowell, Clogg, Dixon, Murphy, Pruyn, Warriner, Bickerdike, Smith, Jack, McDonald, McDonaid, McLachlan, Cole, Ellison, Munn, E., † Hitchcock, Muir, Day.

Class III.

Cusson, Adams, Parker, Crothers, Kingsley, Ogilvie, Millar, † Ascah, Price, Blagrave, Baillie, Noyes, Fox, Robertson, Browne.

^{*} Distinction in Examination,
† Morrin College,
† Stanstead Wesleyan College
§ Vancouver College,

^{*} Distinction in Examination † Morrin College. † Stanstead Wesleyan College § Vancouver College.

SECOND YEAR.

	SECOND YEA	R.
AND LITERATUR	GE FRENCH.	CHEMISTRY.
Class I.	Class I.	Class I.
Munn, W.,	Plant.	Nolan, A. (Prize)
Plant,		Pruyn, (Prize)
Harris,	Class II.	Harris,
Carlyle,		Irving,
Irving,	Harris,	Walker,
Nolan.	Munn,	Dixon,
Tronua.	Ellison,	Hitchcock.
Class II.	Dixon,	McLachlan.
	Murphy.	,
Crowell,		Class II.
Clogg,	Class III.	
Dixon,		McDonald,
Murphy,	Crowell,	Murphy,
Pruyn,	Bickerdike,	Carlyle,
	Ogilvie.	Carson,
Warriner,	Crothers	Crothers.
Bickerdike,	Cole.	Greenleese,
Smith,	Ireland.	Ogilvie.
Jack,	Muir.	,
McDonald,	Noyes,	Class III.
McLachlan,	Irving.	
Cole,	Parker,	Bickerdike,
Ellison, Munn, E., †	Lacy,	Cole.
Munn, E., †	Jack,	Price.
Hitchcock,	Adams.	Wotherspoon.
Muir, Day.		poon.
	PASSED.	HEBREW.
Class III.	Munn, †	
	Miller. †	Class 1.
Cusson,		DI-
Adams.	OFFICE	Blagrave
Parker,	GERMAN.	Matheson,
Crothers,	Class I.	Ireland,
Kingsley,	ciuss 1.	Carson, (Prize.)
Ogilvie, Millar, †	Irving,	Jack,
Millar, †	Hitchcock.	Parker.
Ascah.	Hitchcock.	<i>m</i> 11
Price,	Class II.	Class II.
Blagrave, Baillie,	C. 11.	m
Baillie,	McLachlan.	Touchette,
Noyes,	modaciian.	Ascah,
Fox.	Class III.	(1) 111
Robertson,	그 나는 아이들은 이 경기를 받는데 되었다.	Class III.
Browne.	Greenleese.	Contin
		Greig,
		Turkington,
		Cruchon.
		Cruchon, Swinton, Morrow.

^{*} Distinction in Examination.
† Morrin College.
† Stanstead Wesleyan College.
§ Vancouver College.

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SECOND YEAR.

FIRST YEAR.

BIOLOGY AND DYNA-MICS.

GREEK.

LATIN.

Class 1.

Murphy.

Class II.

Dixon, Nolan, McDonald.

Class III.

Greenleese, Walker, Wotherspoon.

Lundie Prize), Angus Prize), Healy, Seaman, Mackay, Dease, Pownall.

Class II.

Class I.

Holman, Davidson, Troop, Lomer, Paul, § East.

Class III.

Pattison, Joseph, McMorran, Hadrill, Dutaud, Woodley, Burpee, ? McMillen, Mowatt.

Class I. Lundie* (Prize), Wisdom, Dease, Seaman, Belyea, Lomer, Dickson. Pownall, Healy, Wales, Couture, Hanington, Angus, Parkin.

Class II. Joseph, Harris, Hogan, Hunter, Burpee, § Davidson, Johnson, Pattison, Troop, Paul, § Snaith, † Cameron, McMillen, Raymond, McMorran, Simpson,

Class III. Lockhart, ‡ May, East, Hadrill, Sutherland, Holman, Fripp, Bridgette, ‡ Anderson, Philp, § Dutand, Cole, †
Budyk,
Parkins, Simister, Campbel

GEOMETRY AND Al METIC.

Class I. McLeish, Cameron, Wisdom, Holman, Lundie, Healy, Harris Dickson, McMorran, Seaman, Gnaedinger, Anderson, MacMillen. Class 11. Hadrill, Ford§, Campbell§, Belyea | Philip§' Halfpenny, Lomer, Pauls, Colet, East, Graham,‡ Bridgettet, Sims, Snaitht, Wales, Howard, Burpees, J Davidson, Pattison, Joseph, Gass, Mowatt. Class III. May, Parkins, Couture, Pownall, Hanington, McCraken, MacKay, Davies, Dutaud,) Troop, Simpson, Dunlop, Hogan, Angus, Parkin (M.), Lochartt, Hunter, Gray, Simister, Raymondt, Fripp, Johnson, McConaghy§, McLeod, Philps, Budyk.

> Advanced Section McMillen, (Prize).

^{*} Distinction in Examination. † Morrin College. †Stanstead Wesleyan College. § Vancouver College.

Distinction in Examination, Morrin College.

FIRST YEAR.

LATIN.

(Prize),

on,

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GEOMETRY AND ARITH- TRIGONOMETRY AND METIC. ALGEBRA.
                                                                     PHYSICS.
                                                            Class I.
                                       ALGEBRA.
Class 1.
                              Class 1
                                                               Holman,
  McLeish,
                                                              Healy,
Davidson,
                                McLeish,
  Cameron,
                                Dickson,
  Wisdom,
                                                               Anderson,
                                 Angus,
                                Lundie,
  Holman,
                                                               Lundie,
McLeish,
  Lundie,
                                 Healy,
  Healy,
                                 Davidson,
                                                               Cameron.
  Harris
                                 Burpee.
                                                            Class II.
                                                               Halpenny,
  Dickson,
                              Class II.
                                 Gnaedinger,
  McMorran,
                                                               Wales,
                                Philip, §
  Seaman.
                                                               Dickson.
                                                               Pattison,
  Gnaedinger,
                                 Dunlop,
                                                               Wisdom,
   Anderson,
                                 Hannington,
                                                               Burpee,§
  MacMillen.
                                 Campbell, §
                                 Joseph,
  lass 11.
                                                               Paul,
                                 Parkin M.,
                                                               Philip, §
   Hadrill,
   Ford§,
Campbell§,
                                 Anderson, !
                                                               Harris,
                                 Howard,
                                                               Parkin,
   Belyea
Philip§'
                                 Mowatt,
                                                               Lockhart, ‡
                                 Wisdom,
                                                               Mackenzie,
   Halfpenny,
                                 Couture,
                                                               Pownall,
                                 Harris,
                                                               Troop,
   Lomer,
                                                               Gnaedinger,
Snaith, W., †
   Pauls,
                                 Gass,
                                 May,
Holman,
   Colet,
                                                               Macmillen.
   East,
   Graham, t
                                                             Class III.
                                 Hogan,
   Bridgettet,
                                                               Hadrill,
                                 Seaman,
                                 McCraken,
   Sims,
                                                                Campbell,§
   Snaitht,
                                 Pattison,
                                                                Ford,§
   Wales,
                                 Cole, ‡
                                                               Howard,
   Howard,
                                 McKay,
                                                               Lomer,
   Burpees,
                                 McMorran,
                                                               Seaman,
   Davidson,
                                 East.
                                                               Snaith,
                               Class III.
   Pattison,
                                                               Hogan,
                                                               Gray,
McMorran,
   Joseph,
                                 Hadrill,
   Gass,
                                 Woodley,
                                 Parkins (E.,)
   Mowatt.
                                                               Bridgette, ‡
                                 Fripp,
McMillan,
  Class III.
                                                               Dunlop,
   May,
Parkins,
                                                               Gass,
                                                               Joseph,
                                  Wales,
   Couture, Pownall,
                                                                Belyea,
                                 Simister,
                                 Sutherland,
                                                                Cole, ‡
                                                               May,
MacKay,
Sutherland,
   Hanington,
                                  McLeod,
   McCraken,
                                  Halpenny,
                                  Duncan,
   MacKay,
                                                                Fripp,
                                  Philp,
    Davies.
                                                                Angus,
                                  Bridgette,
    Dutaud, )
                                                                Mowatt,
    Troop,
                                  Lomer,
                                                                Couture.
    Simpson,
                                  Ford, §
    Dunlop,
                                  Paul, §
McConaghy, § }
                                                                Raymond, t
                                                                Parkins,
    Hogan,
                                                                Sims, 3
Mackellar,
    Angus,
Parkin (M.),
                                  Budyk,
Snaith †
    Lochartt,
                                  Graham, t
                                                                 East,
    Hunter,
                                  Davies,
                                                                Johnson,
                                                                 Simpson,
    Gray,
Simister,
                                  Dutand.
                                                                 Budyk,
                                  Sims,
    Raymondt,
                                   Lockhart, ‡
                                                                 Simister,
    Fripp,
                                   Cameron,
                                                                 Dutaud.
                                                                 McConaghy, §
SANSKRIT.
     Johnson,
                                   Belyea,
     McConaghy$,
                                   Hunter,
                                   Troop,
Pownall.
     McLeod,
                                                               Class 1.
     Philps, Budyk.
                                                                 Munn, W. C.,
Cotton, W. U.,
Carr, Muriel, B.A.
            Advanced Section in Mathematics. First Rank Honours.
                               Lundie, (Prize).
   McMillen, (Prize).
                                                     Wisdom, (Prize).
                                                                                 McLeish.
    Distinction in Examination.
Morrin College.
                                                † Stanstead Wesleyan College.

§ Vancouver College.
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FIRST YEAR. GERMAN. ENGLISH LITERATURE, COMPOSITION AND FRENCH. Sec. A Class I. HISTORY. Class 1. Class 1. Parkin, Couture, Wisdom Lundie, Belyea, Dickson, Lomer, Lomer, Parkin, Wisdom. Lundie, Wales. Dease, Class II. Joseph, Class II Park. Burpee, Joseph, Cox, East, Belyea. Angus, Wisdom, Sec. B. Belyea, Parkins, Wales, Wales, Class 1. Dutaud, McLeish, Healy, McLeish, Paul, Budyk. Anderson, Dickson. Davidson, Class II. Johnson, Class III. McMorran. Couture, Class II. McLeish, Mackay, Healy, Gnaedinger, Gass. Philip, § Parkins, Dickson, Class III. Hanington, Hanington, Hadrill, Mackay, Duncan, Campbell, § Angus, Hanington, Simpson, Campbell, § Gnaedinger. Gass, Hadrill, Harris, McKeller, Pattison, Philip, § Budyk, Seaman, Simister, Troop, Gnaedinger, Fripp, Anderson, Holman, Dunlop, McDougall, McConaghy, § Cameron, Duncan, Snaith, Dutand, Harris, Bridgette, ‡ Ford, May, Howard, McMillan, Lockhart, Sims. Class III. PHYSICAL CULTURE. Gass, Hogan, Pattison. Royal Victoria College. Halpenny Woodside, HELENA M. DEY4th Year Arts, Prize Gray, Simister, McLeod, Raymond, Philps, Sutherland, Woodley, McConaghy, Dunlop, East, MacKenzie, * Distinction in Examination. Morrin College. Stanstead Wesleyan College. Vancouver College. Budyk.

Graham, ‡

FAC

ALLEN, SAMUEL Exhibiti trical La ANDREWES, EDW Ore Dres BYERS, ARCHIBA \$50 for t Honours CORNWALL, CLE Designing CORRIVEAU, RAOI for Sumr COWANS, FREDER DUNCAN, GAYLEN Electrical Work an EWART, GEORGE Geodesy, ing. GILLEAN, ROBERT First Carl for Minin Mining La GLASSCO, JACK G. Laborator LEMAN, BEAUDRY. Work. MILLER, ANGUS K (theoretica MOORE, ERNEST V Design. NELSON, GEORGE Jo ours in Al tical); Ele trical Engi and Electri

ROBERTSON, PHILIP

ond Carlyle

ing Laborat

FACULTY OF APPLIED SCIENCE.

GRADUATING CLASS, 1900.

- ALLEN, SAMUEL JAMES.—British Association Medal and Prize; Scott Exhibition of \$50; Honours in Electrical Measurements, Electrical Laboratory Work and Electrical Designing.
- ANDREWES, EDWARD.—Honours in Mining, Laboratory Work and Ore Dressing.
- BYERS, ARCHIBALD FULLARTON.—The Waddell & Hedrick Prize of \$50 for the best bridge design; Prize for Summer Thesis; Honours in Designing.
- CORNWALL, CLEMENT ARTHUR KINGSCOTE.—Honours in Electrical Designing.
- CORRIVEAU, RAOUL DE BESSERER.—Third Carlyle Prize of \$20; Prize for Summer Thesis; Honours in Mining Laboratory Work.
- COWANS, FREDERICK.—Honours in Metallurgy.

 DUNCAN, GAYLEN RUPERT.—Honours in Electrical Measurements,

 Electrical Engineering Laboratory Work, Electric Railway

 Work and Electro-Chemistry.
- EWART, GEORGE ROBERT.—Prize for Summer Thesis; Honours in Geodesy, Geodetic Laboratory Work and Railway Engineering.
- GILLEAN, ROBERT HAMPSON.—British Association Medal and Prize; First Carlyle Prize of \$75; Fraser & Chalmers Prize of \$25 for Mining Laboratory Work; Honours in Metallurgy and Mining Laboratory Work.
- GLASSCO, JACK GIRDLESTONE.—Honours in Electrical Engineering Laboratory Work.
- LEMAN, BEAUDRY.—Honours in Mining Engineering Laboratory Work.
- MILLER, ANGUS KENNETH.—Honours in Alternating Current Work (theoretical and practical).
- Moore, Ernest Vivian.—Honours in Ore Dressing and Mining Design.
- NELSON, GEORGE JOHN.—British Association Medal and Prize; Honours in Alternating Current Work (theoretical and practical); Electrical Measurements, Electro-Chemistry, Electrical Engineering Laboratory Work, Electrical Designing and Electric Railway Work.
- ROBERTSON, PHILIP WILLIAM KATTHAIN.—Dawson Fellowship; Second Carlyle Prize of \$30; Honours in Metallurgy and Mining Laboratory Work.

erts, Prize

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THIRD YEAR.

- Archer, Augustus R.—McCarthy Prize for Field Work; Third Mathematical Prize; Prize in Graphical Statics.
- Burson, Herbert A.—British Columbia Graduates' Society Prize;
 Prizes in Direct Current Machinery, Dynamo Laboratory
 Work, and in Mathematics.
- Clement, Sheldon B.—McCarthy Prize for Field Work; Prizes in Surveying, Practical Astronomy, Road Construction, Descriptive Geometry and Elementary Design.
- DeBlois, William H.—Prizes in Practical Chemistry and Metallurgy.
- Edwards, William Muir.— First Mathematical Prize; Prize in Ore Dressing.
- Glassco, Archie P. S.-Prize in Dynamics of Machinery.
- McLaren, John H.—Prizes in Direct Current Machinery, Dynamo Laboratory Work, Testing Laboratory, Machine Design and Theory of Structures.
- Paterson, Charles S.—Prizes in Mineralogy, Geology and Metallurgy.
- Ward, Percy W.-Prize in Mechanical Drawing.

PASSED THE SESSIONAL EXAMINATIONS.

(In Order of Merit.)

CIVIL ENGINEERING.

Clement, Sheldon B., Clinton, Ont. *Blanchard, Arthur C. D., Windsor, N. S. *Gagnon, Edmund E., Westmount, Que.

ELECTRICAL ENGINEERING.

Burson, Herbert A., St. Catherines, Ont.
McLaren, John H., Montreal, Que.
Taylor, Charles W., Richwood, Ont.
*Howard, Rupert F., Lachine, Que.
Glassco, Archie P. S., Hamilton, Ont.
Scott, Henry M., Montreal.
Ward, Percy W., Lachine, Que.
*Forman, Andrew S., Montreal.
*Coussirat, Henri A., Montreal.
Boyd, Hugh H., Montreal
*Lloyd, Herbert M., New Westminster, B. C.

Wil

Sch

*Cai

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*Hai

*Pyl

Arch

Edwa *Fras

*Ritc

*Frec

*Ogil

*Palm

*Galba

*Tupp

Paterso DeBlois

Corless, Charles V.—Sc matics, Physics De Pencier, Henry P.-Drawing.

Heaman John A.—Prize Robertson, John F.—Pri Physics.

Sterns, Frank E.—Scott etry and Physics

PASSED THE

Heaman Bigger, H Borden, H

MECHANICAL ENGINEERING.

Wilson, Reginald C., Cumberland, Ont. Schwitzer, Thomas H., Ottawa, Ont. *Cameron, Hugh D., Montreal, Que. *Burwell, Ernest V., London, Ont. *Lowden, Warden King, Montreal.

*Hampson, E. Greville, Montreal.

*Pyke, Gordon McT., Montreal.

k; Third

y Prize;

aboratory

Prizes in tion, De-

etallurgy.

Prize in

Dynamo

sign and

Metal-

MINING ENGINEERING.

Archer, Augustus R., New York, U.S.A. Edwards, William M., Ottawa, Ont. *Fraser, Donald C., New Glasgow, N. S.

*Ritchie, Joseph N., Halifax, N. S.

*Frechette, Howells, Ottawa, Ont.

*Ogilvie, Paul. Cumming's Bridge, Ont.

*Palmer, Ernest E., Toronto, Ont.

*McKenzie, Bertram S., London, Ont.

*Galbraith, Malcolm T., Montreal.

*Tupper, Charles, Vancouver, B. C.

*White, Gerald V., Pembroke, Ont. (aegrotat)

PRACTICAL CHEMISTRY.

Paterson, Charles S., Montreal. DeBlois, William H., Halifax, N. S.

SECOND YEAR.

Corless, Charles V.—Scott Exhibition; Prizes in Chemistry, Mathematics, Physics and Surveying.

De Pencier, Henry P.—Scott Prize of \$15; Prize in Mechanical Drawing.

Heaman John A.—Prize for Mapping.

Robertson, John F.—Prizes in Chemistry, Descriptive Geometry and Physics.

Sterns, Frank E.—Scott Prize of \$25; Prizes in Descriptive Geometry and Physics.

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PASSED THE SESSIONAL EXAMINATIONS.

(In Order of Merit.)

CIVIL ENGINEERING.

Heaman John A., London, O. Bigger, Howell, Ottawa, Ont. Borden, Henry P., Kentville, N. S.

ELECTRICAL ENGINEERING.

Scott, Harry E., Napanee, Ont.
Smith, J. Macdonald, Petitcodiac, N. B.
Hicks, Thomas N., Perth, Ont.
Jackson, Philip T., Toronto, Ont.
Murphy, William E., Shelburne, N. S.
Dunfield, John C. W., St. Johns, Newfoundland.
MacKeen, Rupert T., Windsor, N. S.
*Mackay, Eric, St. Johns, Newfoundland.

MECHANICAL ENGINEERING.

Sterns, Frank E., Morell, P. E. I. Smith, Gerald M., St. Johns, Que. Addie, Thomas H., Sherbrooke, Que. *Newton, Samuel R., Drummondville, Que. *Baird, Alexander, Sherbrooke, Que.

MINING ENGINEERING.

Corless, Charles V., New Durham, Ont.
Robertson, John F., Charlottetown, P. E. I
De Pencier, Henry P., Vancouver, B. C.
*Barwick, William S., Vancouver, B. C.
*Meyers, Archie J., Listowel, Ont.
*McBride, Wilbert G., Inglewood, Ont.
*Coulson, John L., Toronto, Ont.
*Campbell, Charles McK., Winnipeg, Man.

PRACTICAL CHEMISTRY.

*Cape, Ernest K., Hamilton, Ont.

FIRST YEAR.

Foreman, Alvah E.—Prizes for Descriptive Geometry, English, Mathematics and Physics.

Hall, Oliver.—Prize for English.

Jones, Harold W.—First Hutchison Prize for Freehand Drawing and Lettering.

McCaskill, Kenneth.—Second Fleet Workshop Prize.

McKay, Frederick A.—Prize for Descriptive Geometry, First Fleet Workshop Prize; Second Hutchison Prize for Freehand Drawing and Lettering.

^{*}To pass Supp +Matriculation

PASSED THE SESSIONAL EXAMINATIONS.

(In Order of Merit.)

Foreman, Alvah E., Vancouver, B. C. Hall, Oliver, Washington, Ont.

Roberts, Arthur R., Montreal.

McKay, Frederick A., Montreal.

Boright, Sherman H., Sutton, Que.

Brown, Frederick B., Montreal.

Jones, Harold W., Ottawa, Ont.

Cooper, Frank W., London, Ont.

†McCaskill, Kenneth, Barb, Ont.

Peaslee, Alexander S. L., Defiance, Ohio, U. S. A.

Richards, Charles C., Charlottetown, P. E. 1.

Hayes, Albert O., Granby, Que.

Keith, Fraser S., Smith's Falls, Ont.

Tilt, Edwin B., Goderich, Ont.

Rodger, Herbert F., St. Johns, Newfoundland.

Gale, George G., Quebec, Que.

†Gillies, George A., Carleton Place, Ont.

Rowlands, Charles, Albany, N. Y., U. S. A. equa

Graham, William E., Dundas, Ont.

Stovel, Joseph H., Coraopolis, Pa., U. S. A.

†McDonald, James F., Westville, N. S.

†Anderson, Lewis B., Lunenburg, N. S.

†Kendall, George., Vancouver, B. C.

Blatch, Harry E., St. Johns, Newfoundland.

Ross, James G., Embro, Ont.

Trimingham, Charles L., Barbadoes, W. I.

Thorpe, William H., Montreal.

*†Morse, William H., Bridgetown, N. S.

Musgrave, Robert, Duncans, B. C.

*McKergow, Charles M., Westmount, Que.

Baker, William E., Montreal.

Cohen, Harris, Montreal.

*+Fraser, Thomas C., New Glasgow, N. S.

†Lambart, Howard F., New Edinburgh, Ont.

James, Bertram, Heart's Content, Newfoundland.

*Cole, G. Percy, Montreal.

*Langley, Albert G., Victoria, B. C.

*Pemberton, William P. D., Gonzales, Victoria, B. C.

*Musgrave, William N., Duncans, B. C.

*Oakes, Francis H., Boston, Mass., U. S. A.

*Yuile, Herbert, Montreal.

*Denne, Reginald D. L., Montreal.

*+Porter, William J. D. A., Douglastown, N. B.

*Landry, Pierre A., Dorchester, N. B.

*Barclay, Malcolm D., Montreal.

*+Cameron, John A., Hamilton, Ont.

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, English,

rawing and

First Fleet Freehand

^{*}To pass Supplemental examinations. †Matriculation conditioned.

STANDING IN THE SEVERAL SUBJECTS.

ALTERNATING CURRENT MACHINERY.

FOURTH YEAR.—Class 1.—Nelson, Miller (A. K.), Allen, St. George, Cornwall. Class II.—Montgomery, Duncan, Glassco (J. G.). Class III.—Fraser, (J. W.).

ARCHITECTURAL DRAWING AND DESIGN.

SECOND YEAR.—Class I.—None. Class III.—None. Class III.—Pratt.

ARCHITECTURAL DESIGNING (SESSIONAL WORK).

FOURTH YEAR.—Class 1.—Northwood.

THIRD YEAR.—Class 1.—None. Class 11.—Hutchings, (G. H.). Class 111—Hutchings (S. C.).

ARCHITECTURAL DESIGNING (SPECIAL COURSE.)

FOURTH YEAR.—Class I.—Staveley.

ARCHITECTURAL DRAWING (SESSIONAL WORK.)

Second Year.—(Civil Engineering Course).—Class I.—None. Class II.—Bigger. Class III.—Beck, Borden.

ARCHITECTURE.

THIRD YEAR.—Class 1.—Northwood. Class 11.—None. Class III.—Hutchings (G. H.), Hutchings (S. C.).

ARCHITECTURE, ELEMENTS OF.

SECOND YEAR.—Class I.—None. Class II.—Northwood. Class III.—Pratt.*

* Supplemental in Designing.

ARCHITECTURE, HISTORY OF.

THIRD YEAR.—Class I.—Northwood. Class II.—Hutchings (G. H.). Class III.—Hutchings (S. C.).

SECOND YEAR.—Class I.—Northwood, Class II.—None. Class III.—Pratt.

ART HISTORY.

THIRD YEAR.—Class 1.—Northwood. Class 11.—Hutchings (G. H.), and Hutchings (S. C.), equal.

ASSAYING (THEORETICAL).

FOURTH YEAR.—Class I.—None. Class II.—Gillean; Cowans and Leman, equal; Andrewes, Robertson (P. W. K.).—Class III.—Donaldson, Corriveau, Moore, Cary, Maclennan, Buchanan, Nicholls.

BUILDING CONSTRUCTION.

SECOND YEAR.— Class I.—Heaman, Northwood, Hutchings (G. H.). Class II.—Hutchings (S. C.), Bigger, Pratt. Class III.—Borden, Beck.

SECOND YEAR.

THIRD YEAR.

FOURTH YEAR .-

THIRD YEAR .-- (

THIRD YEAR.—(6 Gagnon,

M.), Bar Hicks, J Campbel

FIRST YEAR.—Mc
Cooper, I
Brown an
equal; f
Stovel;
Rowlands
Baker, Bla

FOURTH YEAR.—(C (Electrical and Nelson Miller (A.) (Mechanica II.—Smith Sise. (Min and Gillean Cowans, Buc

THIRD YEAR—(Civil)
Blanchard.

THIRD YEAR.—Class.

Class II.—G
Lloyd, Higms

CHEMISTRY.

SECOND YEAR.—(Special).—Class I.—Heaman.

CHEMISTRY, INDUSTRIAL.

THIRD YEAR .- Class 1 .- Paterson, DeBlois. Class 11 .- Labatt.

CHEMISTRY, INORGANIC.

FOURTH YEAR.—Class I.—None. Class II.—Barber.

CHEMISTRY, ORGANIC.

THIRD YEAR.—Class I.—Paterson. Class II.—DeBlois.

DESCRIPTIVE GEOMETRY.

- THIRD YEAR.—(Civil Engineering Course).—Class I.—Clement. Class II.—Gagnon, Blanchard.
- SECOND YEAR.—Class I.—Robertson (F. H.) and Sterns, equal; Corless, Smith (J. M.), Barwick, De Pencier, Heaman, Addie, Smith (G. M.) Class II.—Hicks, Jackson, Beck, Meyers, Bigger, Baird. Class III.—MacKeen; Campbell and Murphy, equal; Newton, Borden, Dunfield, Mackay (E.).
- First Year.—McKay (F. A.), Foreman (A. E.), Boright, Hall, McCaskill, Hayes, Cooper, Roberts, Keith, Jones; Graham and McKergow. Class II.—Brown and Lambart and Tilt, equal; Morse, Cole; Gale and Kendall, equal; Richards, Denne, Fraser (T. C.), Anderson, Thorpe, Gillies Stovel; McDonald and Ross, lequal; Cohen, Pemberton. Class III.

 Rowlands; Musgrave (R.) and Peaslee, equal; Trimingham, Rodger Baker, Blatch, Gault, Cameron, James.

DESIGNING.

- FOURTH YEAR.—(Civil Engineering Course).—Class I.—Byers, Burgoyne, Ewart. (Electrical Engineering Course).—Class I.—Allen (S. J.) and Cornwall and Nelson, equal; Duncan and Fraser (J. W.) and Glasseo (J. G.) and Miller (A. K.), equal; Montgomery and Shepherd and St George, equal. (Mechanical Engineering Course). Class I.—Hamilton, Walker. Class II.—Smith (G. B.), Arkley, Macmaster. Class III.—Neville, Osborne, Sise. (Mining Engineering Course).—Class I.—Allan (L.); Corriveau and Gillean and Moore, equal; Leman. Class II.—Robertson (P. W. K), Cowans, Buchanan. Class III.—Nicholls, Stevens.
- THIRD YEAR—(Civil Engineering Course).—Class I.—Clement and Gagnon, equal; Blanchard.

DIRECT CURRENT MACHINERY.

THIRD YEAR.—Class I.—Burson, McLaren (J. H.), Coussirat, Scott (H. M.) Taylor.

Class II.—Glassco (A. P. S.), Howard (R. F.), Boyd. Class III.—Ward,
Lloyd, Higman, Forman (A. S.)

e, Cornwall.

tt.

Class III-

s II.—Big-

-Hutchings

-Pratt.*

lass III .-

-Pratt.

Hutchings

an, equal; Corriveau,

lass II._

DYNAMICS OF MACHINERY.

- FOURTH YEAR.—(Electrical Engineering Course).—Class I.—Allen (S. J.). Class II.—Glasseo (J. G.) and Nelson, equal; Miller (A. K.). Class III.—Montgomery, Cornwall, St. George, Duncan, Fraser (J. W.). (Mechanical Engineering Course).—Class I.—Walker. Class II.—Neville, Arkley, Hamilton, Macmaster. Class III.—Osborne, Smith (G. B.), Sise.
- THIRD YEAR.—Class I.—Glassco (A. P. S.), Burson, McLaren (J. H.). Class II.—Wilson, Hampson, Taylor. Class III.—Ward, Forman (A. S.), Scott (H. M.); Coussirat and Higman, equal; Boyd and Lloyd, equal; Schwitzer, Lowden, Pyke, Cameron.

ELECTRIC LIGHTING.

FOURTH YEAR.—Class I.—Allen; Duncan and Nelson, equal. Class II.—Glassco (J. G.), Shepherd, St. George, Miller (A. K.). Class III.—Cornwall, Fraser (J. W.), Montgomery.

ELECTRICAL MEASUREMENTS.

FOURTH YEAR.—Class I.—Allen (S. J.) and Nelson, equal; Duncan. Class II.—Cornwall, Glassco (J. G.), Montgomery, St. George, Fraser (J. W.), Miller (A. K.).

ELECTRIC RAILWAYS,

FOURTH YEAR.—Class I.—Duncan and Nelson, equal; Allen (S. J.), Fraser (J. W.). Class II.—St. George, Miller (A. K.), Glassco (J. G.), Montgomery, Cornwall.

ELECTRO-CHEMISTRY.

FOURTH YEAR.—Class I.—Nelson, Duncan, Allen (S. J.). Class II.—Cornwall and Fraser (J. W.), and Glassco (J. C.), equal; Miller (A. K.) and Montgomery, equal; St. George.

ELECTRO-MAGNETISM.

Third Year.—Class I.—Burson, McLaren (J. H.), Taylor. Class II.—Ward, Glasseo (A. P. S.). Class III.—Howard (R. F.), Coussirat, Scott (H. M.) Boyd, Forman, Higman., Special Examination.—Class II.—Lloyd.

ENGLISH.

First Year.—Class I.—Foreman (A. E.) and Hall, equal; Brown, McKay, Jones; Hayes and Stovel, equal; Boright; Keith and Oakes and Ross, equal; Cohen; McDonald and Peaslee and Trimingham, equal. Class II.—Gale and Rodger and Rowlands, equal; Blatch and McKergow, equal; McCaskill; James and Morse and Roberts, equal; Cooper; Tilt and Yuile, equal; Anderson; Gillies and Kendall, equal; Musgrave (R.) and Richards, equal; Baker; Musgrave (W. N.) and Sims and Warrington, equal. Class III.—Savage; Denne and Langley, equal; Fraser (T. C.) and Gault and Graham, equal; Barclay, Eaton, Robillard, Lambart; Thorpe and Kerr, equal; Macfarlane, Vallières de St. Real.

FOURTH YEAR.—
THIRD YEAR.—(A
SECOND YEAR.—(
—Pratt.

First Year.—Cla
Thorpe, and Musg
James an
Boright a
Denne, Ga
Gillies, ea
Savage, ea
Stovel, ea
equal; Oa
and Yuile

FOURTH YEAR.—Cl Byers.

FOURTH YEAR,—Cla

THIRD YEAR.—Class Clement, La Blue, Palme

FOURTH YEAR.—Class (P. W. K.), Donaldson, E

FOURTH YEAR.—Class

Edwards and Northwood; H Fraser (D. C. equal.—Class (L.) and Cam Gagnon; Lowe and White, equequal; Millar (...

FREEHAND DRAWING.

FOURTH YEAR .- (Architectural Course) .- Class I .- Staveley.

THIRD YEAR .- (Architectural Course.) - Class I. - None. Class II - Northwood.

Second Year.—(Architectural Course).—Class I.—Hutchings (G. H.). Class II.—Pratt. Class III.—Hutchings (S. C.)

First Year.—Class I.—Jones and McKay (F. A.), equal; Anderson and Cole and Thorpe, equal; Brown and Cooper and Hayes and Morse, equal; McCaskill and Musgrave (R.) and Roberts, equal; McKergow and Robillard, equal; James and Lambart and Tilt, equal; Peaslee. Class II.—Graham; Boright and Kendall, equal; Foreman (A. E.) and Hall and Keith, equal; Denne, Gale, Morgan; Langley and Richards, equal; Fraser (T. C.) and Gillies, equal; Baker, Cameron; MacLeod and Musgrave (W. N.) and Savage, equal. Class III.—Ross; Blatch and Gault and Rowlands and Stovel, equal; Rodger and Warrington, equal; Cohen and McDonald, equal; Oakes; Sims and Trimingham, equal; Vallières de St Real; Eaton and Yuile, equal.

GEODESY.

FOURTH YEAR.—Class I.—Ewart. Class II.—None. Class III.—Burgoyne, Byers.

GEODETIC FIELD WORK.

FOURTH YEAR.—Class I.—Ewart.—Class II.—Burgoyne and Byers, equal.

GEOLOGY.

THIRD YEAR.—Class I.—Paterson, DeBlois. Class I.—Edwards, Ritchie, Archer, Clement, Labatt, McKenzie, Galbraith, Blanchard, Ogilvie. Class III.—Blue, Palmer, Frechette, White, Tupper, Flint.

GEOLOGY AND ORE DEPOSITS.

FOURTH YEAR.—Class I.—Andrewes, Gillean. Class II. Maclennan, Robertson (P. W. K.), Cowans, Corriveau, Leman, Cary, Moore. Class III.—Donaldson, Buchanan; Nicholls and Stevens, equal.

GRAPHICAL STATICS.

FOURTH YEAR.—Class I.—None. Class II.—Burgoyne; Byers and Ewart equal.

Third Year.—Class 1.—Archer; Burson and Clement and Frechette, equal; Edwards and McLaren (J. H.) and Scott (H. M.), equal; Burwell, Northwood; Higman and Palmer, equal; Coussirat and McKenzie, equal; Fraser (D. C.) and Schwitzer, equal; Ogilvie and Taylor and Ward, equal.—Class 11.—Blanchard and Howard (R. F.) equal; Blue; Allan (L.) and Cameron and Ritchie, equal; Boyd and Galbraith, equal; Gagnon; Lowden and Tupper, equal; Flint; Forman (A. S.) and Lloyd and White, equal. Class 111.—Glassco (A. P. S.); Hampson and Wilson equal; Millar (J.L.), Reynolds, Brecken, Pyke, Burchell.

Class III.—
). (Mechanical eville, Arkley,
.), Sise.

H.). Class II. 1 (A. S.), Scott equal; Schwit-

38 II.—Glassco
II.—Cornwall

raser (J. W.),

J., Fraser (J., Montgomery,

11.—Cornwall
K.) and Mont-

s II.—Ward, Scott (H. M.)

Ross, equal;
Class II.—
rgow, equal;
ilt and Yuile,
and Richards,
igton, equal.
(T. C.) and
bart; Thorpe

HYDRAULICS.

FOURTH YEAR.—(Civil and Mechanical Engineering Courses.)—Class I.—None. Class II.—Hamilton, Ewart, Walker, Byers, Arkley. Class III.—Neville; Macmaster and Osborne, equal; Burgoyne, Sise, Smith (G.B.). (Electrical and Mining Engineering Courses.)—Class I.—Allen (S.J.) and Nelson, equal; Gillean, Shepherd, Duncan. Class II.—Percy, Cornwall, Glassco (J.G.), Corriveau; Buchanan and Cowans, equal; Miller (A.K.), Robertson (P.W. K.); Moore and St George, equal. Class III.—Montgomery; Donaldson and Fraser (J. W.), equal; Allan (L.); Nicholls and Stevens, equal.

HYDRAULIC MACHINERY.

FOURTH YEAR.—(Electrical Engineering Courses).—(lass I.—Nelson, Allan (S.J.).

Class II.—Corriveau; Duncan and Fraser (J.W.), equal; Miller (A.K.),

Cornwall. Class III.—St George, Glassco (J.G.), Montgomery.

HYDRAULIC MACHINERY AND HYDRAULIC LABORATORY.

FOURTH YEAR.—(Civil and Mechanical Engineering Courses).—Class I.—
None. Class II.—Ewart, Walker; Macmaster and Neville, equal;
Osborne, Hamilton; Byers and Sise, equal. Class III.—Burgoyne, Smith (G.B.), Arkley.

HYGIENE.

THIRD YEAR.—Class I.—Northwood. Class II.—Hutchings (G. H.). Class III.—Hutchings (S. C.).

KINEMATICS OF MACHINES.

FOOND YEAR.—Class I.—None. Class II.—Scott (H. E.), Smith (G. M.), Hicks, Sterns, MacKeen, Smith (J. M.) and Jackson, equal; Dunfield, Murphy, Addie. Class III.—Mackay (E.), Newton; Baird and Edgar, equal; Peck, Mathers, Pearson.

LABORATORIES.

- FOURTH YEAR.—(Assay Laboratory).—Class I.—Corriveau and Gillean and Leman and Robertson (P. W. K.), equal. Class II.—Maclennan and Moore, equal; Barber; Cary and Cowans, equal. Class III.—Buchanan; Donaldson and Nicholls, equal.
- FOURTH YEAR.—(Chemical Laboratory). (Mining Engineering Course).—Class I.—Gillean, Howard (L. O.), Andrewes, Leman, Robertson. Class II.—Corriveau, Maclennan, Moore, Cary. Class III.—Cowans, Stevens, Maclaren (G. M.), Buchanan, Donaldson, Nicholls. (Chemistry Course.—Class I.—None. Class II.—Barber.
- THIRD YEAR.—(Chemical Laboratory). (Mining Engineering Course).—Class I.—Fraser (D. C.), Reynolds, Ritchie, McKenzie, Archer. Class II.—Galbraith; Edwards and Frechette, equal; Flint, White, Tupper, Palmer, Burchell Ogilvie (Chemistry Course).—Class I.—DeBlois, Paterson.

SECOND YEAR.

(Electri
Jackson
Class 1
(F. H.),

Chemis
FOURTH YEAR.—
equal;
Montgor

Cornwall
THIRD YEAR.—(E. equal; T
Coussirat
(A. P. S.)

FOURTH_YEAR.—(Cand Byers

FIRST YEAR.—(Mai Hall, equa Jones and Anderson and Stovel, and Ross a Cohen and and Thorpe

FOURTH YEAR.—(Ma Walker. C. (G. B.)

Denne and

and James,

FOURTH YEAR.—(Mi and Leman, equal. Class equal; Buch

THIRD YEAR.—(Physiand Chemistiand Gagnon, Edwards and Kenzie and I Frechette and Tupper and Wobellois, equal—Class I.—B. M.). Class III. Boyd, Glassco (

*To pass Supplemental in

-Class I .—None.

y. Class III.—
ise, Smith (G.B.).
I.—Allen (S.J.)
II.—Percy, Cornis, equal; Miller
ial. Class III.—
al; Allan (L.);

son, Allan (S.J.).
1; Miller (A.K.),
comery.

Y.

s).—Class I.— Neville, equal; Burgoyne, Smith

). Class 111.-

Smith (G. M.), qual; Dunfield, ird and Edgar,

I Gillean and Maclennan and I.—Buchanan;

class 11.—
rans, Stevens,
stry Course.—

se).—Class I.—
Class II.—
pper, Palmer,
, Paterson.

SECOND YEAR.—(Civil Engineering Course, Special).—Class I.—Heaman.

(Electrical and Mechanical Engineering Courses, opt.)—Class I.—

Jackson. Class II.—Sterns, *Hartz. Mining Engineering Course.—

Class I.—Corless, Robertson (J. F.); Barwick and DePencier, equal.

Class II.—Campbell and Meyers, equal; Coulson, McBride, Maclaren

(F. H.), Porcheron; Brainerd and Johnston, equal; Crawford, Lockerby.

Chemistry Course).—Class I.—None. Class II.—Cape.

FOURTH YEAR.—(Electrical Laboratory).—Class I.—Duncan and Glasseo (J. G.), equal; Allen (S. J.) and Nelson, equal; Shepherd; Freser (J. W.) and Montgomery, equal; Miller (A. K.) and St. George, equal. Class II.—Cornwall.

THIRD YEAR.—(Electrical Laboratory).—Class I.—Burson and McLaren (J. H.), equal; Taylor. Class II.—Howard (R. F.), Forman (A. S.), Lloyd, Coussirat. Class III.—Scott (H. M.); Ward and Boyd, equal; Glassco (A. P. S.) and Higman, equal; Wakeling and Brecken, equal.

FOURTH_YEAR.—(Geodetic Laboratory).—Class I.—Ewart. Class II.—Burgoyne and Byers, equal.

FIRST YEAR.--(Mathematical Laboratory.)—Class I.—Roberts, Gillies; Cole and Hall, equal; McCaskill and Rowlands, equal; Gale and Graham and Jones and Keith and McKay (F. A.) and Peaslee and Trimingham, equal; Anderson and Boright and Foreman (A. E.) and Hayes and Kendall and Stovel, equal. Class II.—Blatch and McDonald and Musgrave (R.) and Ross and Rodger and Tilt, equal; Richards; Baker and Brown and Cohen and Cooper and Langley and Oakes, equal; Musgrave (W. N.) and Thorpe, equal; Cameron and Cushing and Landry and Yuile, equal; Denne and Lambart and Morse and Robillard, equal; Barclay and Gault and James, equal. Class III.—MacLeod.

FOURTH YEAR.—(Mechanical Engineering Laboratory).—Class I.—Hamilton, Walker. Class II.—Neville, Sise, Arkley, Macmaster, Osborne, Smith (G. B.)

FOURTH YEAR.—(Mining and Metallurgical Laboratory).—Class I.—Gillean and Leman, equal; Andrewes; Corriveau and Robertson (P. W. K.), equal. Class II.—Moore and Maclennan, equal; Allan (L.) and Cowans, equal; Buchanan, Class III.—Cary, Stevens, Nicholls.

Third Year.—(Physical Laboratory). (Civil, Mechanical, Mining Engineering and Chemistry Courses).—Class I.—Labatt, Schwitzer, Burchell; Flint and Gagnon, and Paterson, equal; Pyke. Class II.—Burwell and Edwards and Fraser (D. C.), equal; Millar (J. L.); Cameron and Mc-Kenzie and Palmer, equal; Clement and Lowden and Ritchie, equal; Frechette and Ogilvie and Wilson, equal; Blanchard and Reynolds and Tupper and White, equal; Hampson. Class III.—Galbraith; Archer and DeBlois, equal; Blue, Jamieson. (Electrical Engineering Course).—Class I.—Burson, McLaren (J. H.). Class II.—Coussirat, Scott (H. M.). Class III.—Forman (A. S.) and Taylor, equal; Lloyd, Ward, Boyd, Glassco (A. P. S.), Higman.

*To pass Supplemental in paper.

SECONDYEAR.—(Physical Laboratory).—Class I.—Corless; Smith (G. M.) and Smith (J. M.), equal; MacKeen and Murphy and Newton, equal; Addie and Bigger and Heaman and Sterns, equal; Baird and Beck and Coulson and Dunfield, equal; Barwick and Campbell and DePencier and Edgar and Hicks and Pearson, equal. Class II.—Dupuis; Jackson and Robertson (J. F.), equal; Cape and Crawford and Pratt, equal; Mackay (E.) and Maclaren (F. H.) and Meyers, equal; Borden and McBride, equal; Johnston; Brainerd and Mathers, equal. Class III.—Ralph; Lawrence and Sewell, equal; Peck.

First Year.—Physical Laboratory.—Class 1.—Boright, Brown; Hall and Macfarlane and McKay (F. A.), equal; Foreman (A. E.) and Hayes and McCaskill and McDonald, equal; Fraser and Jones and Keith, equal; Porter; Cole and McKergow and Richards and Roberts, equal; Gale and Gillies, equal; Gault and Graham, equal; Musgrave (R.) and Rowlands, equal; Baker and Peaslee and Ross and Stovel and Thorpe and Tilt, equal. Class II.—Robillard and Rodger, equal; Anderson and Cooper and Kerr and Langley and Morse and Warrington, equal; Cameron and Landry and Cohen and James and Meldrum, equal; Blatch and Musgrave (W. N.) and Oakes, equal; Kendall and Lambart and Savage and Whiteway and Yuile, equal; Denne. Class III.—Lockerby and Trimingham, equal; Eaton; MacLeod and Smith (R. E.), equal; Barclay and Pemberton equal; Vallières de St. Réal, Sims, Morgan.

FOURTH YEAR.—(Testing Laboratory).—Class 1.—Ewart; Burgoyne and Byers, equal.

THIRD YEAR.—(Testing Laboratory).—Class 1.—McLaren (J. H.), Archer, Burson; Blanchard and Cameron and Clement and Ward, equal. Class II.—Frechette and Wilson, equal; Schwitzer and Taylor and Tupper, equal; Gagnon; Allan (L.) and Boyd and Glasseo (A. P. S.) and Wilson, equal. Class III.—Coussirat and Fraser (D. C.) and Lowden and Ogilvie and Scott (H.M.), equal; Edwards and McKenzie and Reynolds, equal; Blue and Flint and Hampson and Lloyd and Ritchie, equal; Howard (R. F.) and Palmer, equal; Burwell and Higman, equal; Green.

LETTERING.

First Year.—Class I.—Jones; Brown and Cole and McKay (F. A.), equal; Peaslee; Foreman (A. E.) and Graham, equal; Cooper and Hall and Roberts and Thorpe, equal; McCaskill; Blatch and James and Keith and McKergow and Musgrave (R.) and Robillard, equal: Denne and Hayes, equal; Gale and Lambart and Langley and Tilt, equal; Musgrave (W. N.) and Warrington, equal; Kendall and Rodger and Trimingham, equal; Baker. Class II.—Anderson and Gillies and Kerr and McDonald, equal; Barclay, Ross, Boright and Gault and Richards, equal; Stovel and Yuile, equal; Cameron and Rowlands, equal; Fraser (T. C.), Morse, Cohen; Macfarlane and Savage, equal; Oakes and Sim3 and Vallières de St. Réal, equal; Laniry. Class III.—MacLeod, Pemberton, Eaton.

FOURTH YEAR,

Nelson,
equal;
gomery,
None.
Hamilton

THIRD YEAR.—C
Wilson,
Taylor, S
Lloyd; M
(H. M.) a

THIRD YEAR.—(Civi and Gagne Archer and —Fraser (D Ogilvie. C

SECOND YEAR.—(Mi.
II.—Bigger
Robertson (.
and Coulso
Bride, Macla

THIRD YEAR.—Calcula
equal; Burso
Ogilvie and
Class III.—L
Cameron and
Boyd and Bur
and Wilson, ec

Mechanics.—Co
Fraser (D. C.) a
and Foreman (
and Ritchie and
Higman and Wilsond; Blancha
Frechette and

Second Year.—Analytic Addie and Rober (G.), equal. Clas Ralph, Meyers.

equal; Pyke.

nith (G. M.) and , equal; Addie ek and Coulson hier and Edgar Jackson and equal; Mackay and McBride, HII.—Ralph;

> Hall and Mac-Hayes and Mc-Keith, equal; ual; Gale and and Rowlands, orpe and Tilt, and Cooper and eron and Lan-Musgrave (W. and Whiteway ngham, equal; and Pemberton

> > ne and Byers,

rcher, Burson;
Class II.—
upper, equal;
Wilson, equal.
l Ogilvie and
holds, equal;
ual; Howard
reen.

A.), equal;
ad Hall and
a and Keith
Denne and
al; Musgrave
Trimingham,
ad McDonald,
qual; Stovel
T. C.), Morse,
Vallières de
Eaton.

MACHINE DESIGN.

FOURTH YEAR.—(Electrical Engineering Course). Class I.—Allen (S. J.) and Nelson, equal. Class II.—Miller (A. K.); Glassco (J. G.) and Shepherd, equal; Duncan; Cornwall and St. George, equal. Class III.—Montgomery, Fraser (J. W). (Mechanical Engineering Course). Class I.—None. Class II.—Walker. Class III.—Macmaster and Neville, equal; Hamilton and Osborne, equal; Arkley, Smith (G. B.).

THIRD YEAR.—Class I.—McLaren (J. H.); Boyd and Glassco (A. P. S.) and Wilson, equal. Class II.—Archer, Burson, Ritchie, Pyke, Burwell, Taylor, Schwitzer. Class III.—Ward (P. W.), Ogilvie, Forman (A. S.), Lloyd; Millar (J. L.) and Tupper, equal; Frechette, Coussirat; Scott (H. M.) and White, equal; Howard (R. F.), Edwards.

MAPPING.

Third Year.—(Civil Engineering Course). Class I.—None. Class II.—Blanchard and Gagnon, equal; Clement. (Mining Engineering Course). Class I. Archer and McKenzie, equal; Frechette and Galbraith, equal. Class II.—Fraser (D. C.), White, Edwards; Palmer and Tupper, equal; Ritchie, Ogilvie. Class III.—Blue, Flint; Burchell and Reynolds, equal.

SECOND YEAR.—(Mining Engineering Course). Class I.—Heaman, Borden. Class II.—Bigger, Beck. (Mining Engineering Course). Class I.—Campbell, Robertson (J. F.) Class II.—Barwick, De Pencier, Porcheron; Corless and Coulson, equal; Meyers. Class III.—Crawford, Brainerd, McBride, Maclaren (F. H.)

MATHEMATICS

THIRD YEAR.—Calculus, etc. Class I.—McLaren (J. H.); Archer and Clement, equal; Burson, Palmer. Class II.—Fraser (D. C.), Ward; Edwards and Ogilvie and Pyke, equal; Schwitzer, Glassco (A. P. S.), Coussirat. Class III.—Lowden and Scott (H. M.), equal; Howard (R. F.), Taylor; Cameron and Hampson and McKenzie, equal; Blanchard and Blue and Boyd and Burwell and Galbraith and Reynolds and Ritchie and White and Wilson, equal.

Mechanics.—Class I.—Burson, Glassco (A. P. S.), Archer; Edwards and Fraser (D. C.) and McLaren (J. H.) and Taylor, equal. Class II.—Clement and Foreman (A. S.), equal; Cameron and Hampson and Howard (R.F.), and Ritchie and Schwitzer, equal; Scott (H. M.), Blue and Ward, equal; Higman and Wilson, equal. Class III.—Ogilvie and Palmer, equal; Boyd; Blanchard and Galbraith and Lowden, equal; Coussirat and Frechette and Miller (J. L.), equal; Tupper; Gagnon and McKenzie, equal; Pyke.

Second Year.—Analytical Geometry.—Class I.—Corless, De Pencier, Sterns; Addie and Robertson (J. F.) and Scott (H. E.), equal; Bigger and Smith, (G.), equal. Class II.—Barwick, Jackson, Heaman, Hicks, Mackay (E.), Ralph, Meyers. Class III.—MacKeen and Murphy, equal; Baird and

Smith (J. M.), equal; Dunfield, Borden, Newton, Maclaren (F. H.), Coulson.

Calculus.—Class I.—Corless, Scott (H.E.), Robertson (J.F.), Sterns. Class II.—Bigger, DePencier, Murphy; Addie and Smith (J.M.), equal; Hicks. Class III.—Smith, (G.) Newton, McBride, Baird, Meyers, Heaman; Dunfield and MacKeen, equal; Brainerd; Cape and Jackson and Mackay (E.), equal; Borden.

Mechanics.—Class I.—Corless and DePencier, equal; Robertson (J.F.) Sterns. Class II.—Scott (H. E.), Smlth (G. M.), Smith (J. M), Hicks, Heaman, MacKeen, Barwick. Class III.—Bigger; Jackson and Murphy, equal; Mathers, Newton, Meyers; Dunfield and McBride, equal; Addie and Borden and Mackay (E.) equal.

First Year.—(Algebra).—Class I.—Foreman (A.E.), Cooper; Hall and Roberts, equal; Brown, McCaskill, Rowlands; Jones and McKay (F.A.), equal; Tilt. Class II.—Peaslee and Ross, equal; Boright; Hayes and Trimingham, equal; McDonald and Richards, equal; Rodger; Graham and Stovel, equal; Barclay and Gale, equal; Anderson, Fraser (T. C.), Cohen; Keith and Musgrave (W.N.), equal; Baker, Gillies. Class III.—Pemberton; Blatch and Kendall and Thorpe, equal; Oakes; Landry and Musgrave (R.), equal; Langley, Lambart; James and Yuile, equal.

Dynamics.—Class I.—Hall, Boright, Roberts; Foreman (A.E.), and Jones equal; Cooper and McKay (F.A.), equal; Keith; Peaslee and Stovel, equal; Pemberton. Class II.—Blatch and Rodger and Tilt, equal; Richards; Brown and Gillies, equal; McCaskill; Anderson and Gale and Morse, equal; Trimingham; Graham and Kendall and McDonald, equal. Class III.—Baker and McKergow and Thorpe, equal; Musgrave (R.); Cole and Hayes, equal; Langley; Cohen and James, equal; Cameron; Kerr and Lambart and Porter, equal; Macfarlane; Musgrave (W.N.) and Smith (R.E.), equal; Barclay and Landry and Ross and Rowlands, equal.

Geometry.—Class I.—Foreman (A. E.), Richards, Peaslee, Brown, Hall; Rodger and Rowlands, equal; McCaskill, Roberts, Cooper. Class II.—Anderson, Boright, Jones, Landry; Fraser (T.C.) and Hayes, equal; Gale, Oakes; Baker and Graham and Morse, equal; Stovel, Gillies, Warrington, Cohen; McKay (F. A.) and Tilt, equal; Langley; Keith and Kendall, equal. Class III.—Blatch and Ross, Musgrave (R.), Yuile, James; Kerr and McDonald and Trimingham, equal; Cameron and Thorpe, equal; Smith (R.E.); *Cole and Lambart, equal; Musgrave (W. N.), McKergow, *Porter, *Savage, *Robillard.

Trigonometry.—Class I.—Cooper and Foreman (A. E.), equal; Brown Hall, McDonald, Peaslee, Roberts. Class II.—Pemberton and Rodger and Rowlands and Stovel, equal; Boright and Jones and Oakes, equal; Hayes and Tilt, equal; McKay (F. A.) and Thorpe, equal; Richards, James, Musgrave (W.N.), Gale; McCaskill and McKergow, equal; Gillies, Musgrave (R.); Baker and Fraser (T. C.), equal; Morse; Lambert and Trimingham,

equal; ! Keith, e farlane;

THIRD YEAR.—(1
Scott (I
Class II
(A. P. S
—Class II
I.—None,
braith, Fr
chette an

SECOND YEAR.—Cl Barwick a Addie, Sm 111.—Brai Meyers, Mo

THIRD YEAR.—Clas Archer, Ls Ritchie, Bu Class III.-

FOURTH YEAR.—Clasequal; Corri Buchanan, (

FOURTH YEAR.—Class drewes, Mack Buchanan.
Nicholls, equequal.

FOURTH YEAR.—Class
Leman; Cowdrewes, equal
Cary, Nicholls

FOURTH YEAR.—Class
Barber, Macle
Howard (L. O.)

^{*}Supplemental in Plane Geometry.

laren (F. H.),

(J.F.), Sterns. (J.M.), equal; vers, Heaman; n and Mackay

ertson (J.F.)
(J. M), Hicks,
and Murphy,
equal; Addie

and Roberts,
), equal; Tilt.
Trimingham,
and Stovel,
Cohen; Keith
—Pemberton;
Musgrave (R.),

tovel, equal;
1; Richards;
, and Morse,
equal. Class
3.); Cole and
a; Kerr and
) and Smith
qual.

Brown, Hall;
Class II.—
equal; Gale,
Warrington,
and Kendall,
James; Kerr
orpe, equal;
, McKergow,

ual; Brown Rodger and ual; Hayes ards, James, es, Musgrave Urimingham, equal; Kendall, Langley, Cohen. Class III.—Cole and Graham and Keith, equal; Barclay and Blatch and Landry and Ross, equal; Macfarlane; Anderson and Yuile, equal; Sims, Whiteway.

MECHANICAL DRAWING.

THIRD YEAR.—(Electrical Engineering Course.)—Class I.—Ward. Class II.—Scott (H. E.), Burson, McLaren (J. H.), Coussirat, Higman, Taylor. Class III.—Lloyd, Brecken; Boyd and Forman (A. S.), equal; Glassco (A. P. S.) and Scott (H. M.), equal. (Mechanical Engineering Course.)—Class I.—None. Class II.—Lowden, Cameron, Wilson, Burwell. Class III.—Schwitzer, Hampson. (Mining Engineering Course.)—Class I.—None. Class II.—Archer; McKenzie and Porcheron, equal; Galbraith, Fraser (D. C.), Edwards. Class III.—Palmer, Allan (L.); Frechette and Tupper, equal; Ritchie.

SECOND YEAR.—Class I.—Campbell and De Pencier, equal; Robertson (J. F.);
Barwick and Corless, equal. Class II.—Newton, Sterns, MacKeen,
Addie, Smith (J. M.), Smith (G.), Murphy, Hicks, Baird, Edgar. Class
III.—Brainerd and Dunfield and Mathers, equal; Jackson, Coulson,
Meyers, McBride, Meldrum, Hartz, Crawford.

METALLURGY.

THIRD YEAR.—Class 1.—DeBlois and Paterson, equal; Frechette, Edwards, Archer, Labatt. Class II.—Reynolds; McKenzie and Ogilvie, equal; Ritchie, Burchell; Flint and Palmer, equal; Fraser (D. C.), Tupper. Class III.—Galbraith, Blue, White (G. V.).

METALLURGY (ADVANCED).

FOURTH YEAR.—Class I.—Cowans, Gillean; Robertson (P. W. K.), and Andrewes, equal; Corriveau. Class II.—Moore, Maclennan, Allan (L.), Nichols, Buchanan, Cary. Class III.—Donaldson, Leman, Stevens.

METALLURGY (IRON, STEEL, ALLOYS, ETC.)

FOURTH YEAR.—Class I.—Gillean, Robertson (P. W. K.), Moore. Class II.—Andrewes, Maclennan, Corriveau, Cary, Cowans, Stevens, Allan (L.), Walker, Buchanan. Class III.—Arkley and Neville, equal; Hamilton and Nicholls, equal; Donaldson, Macmaster; Osborne and Sise and Smith, equal.

METALLURGY (GOLD AND SILVER.)

FOURTH YEAR.—Class I.—Gillean and Robertson (P. W. K.), equal; Class II.— Leman; Cowans and Maclennan and Moore, equal; Allan (L.) and Andrewes, equal; Corriveau. Class III.—Stevens, Donaldson, Buchanan, Cary, Nicholls.

MINERALOGY ADVANCED.

FOURTH YEAR.—Class I.—Gillean. Class II.—Corriveau, Leman, Andrewes, Barber, Maclennan, Nicholls, Robertson (P. W. K.). Class III.—Cary, Howard (L. O.), Moore, Buchanan, Cowans.

THIRD YEAR.—Class I.—Paterson, DeBlois. Class II.—Edwards, Archer. Class III.—Ogilvie, Reynolds, Frechette, Labatt; McKenzie and Palmer and Tupper, equal; Flint, Fraser (D. C.), Ritchie, Galbraith.

MINERALOGY (DETERMINATIVE).

THIRD YEAR.—Class I.—Paterson, Ritchie, DeBlois, Archer, Maclennan. Class II.
—Edwards, Fraser (D. C.), Frechette. Class III.—Galbraith, Flint, Burchell, McKenzie, Reynolds; Ogilvie and Palmer, equal; *Labatt, *Tupper.

*To pass Supplemental in practical work.

MINING

FOURTH YEAR.—Class I.—Robertson (P. W. K.) Class II.—Gillean and Moore, equal; Andrewes, Corriveau, Leman, Maclennan; Allan (L.), and Cowans, equal; Cary, Nicholls, Class III.—Donaldson, Buchanan, Stevens.

MINING MACHINERY (OPTIONAL).

FOURTH YEAR.—Class I.—Moore; Corriveau and Gillean and Robertson (P. W. K.), equal. Class II.—Allan (L.) and Leman and Nicholls, equal; Cary, Stevens. Class III.—Cowans.

MODELLING.

FOURTH YEAR.—Class I.—Staveley. THIRD YEAR.—Class I.—Northwood.

MUNICIPAL ENGINEERING (ROADS, ETC.).

THIRD YEAR.—Class 1.—Clement. Class 11.—Blanchard. Class 111.—Green, Gagnon.

MUNICIPAL ENGINEERING (SANITARY).

THIRD AND FOURTH YEARS.—Class I.—Ewart, Blanchard. Class II.—Burgoyne, Clement and Byers, equal; Gagnon.

ORE DRESSING.

- FOURTH YEAR.—Class I.—Andrewes, Moore, Maclennan; Corriveau and Robertson (P. W. K.), equal. Class II.—Leman, Gillean; Allan (L.) and Nicholls, equal; Cowans. Class III.—Donaldson, Buchanan, Stevens, Cary.
- THIRD YEAR—Class 1.—Edwards; Archer and Frechette, equal; Ritchie, Class II.—Reynolds, McKenzie, Flint, Galbraith, Palmer, Fraser (D. C.); White (G. V.). Class III.—Ogilvie, Burchell, Tupper.

PALÆONTOLOGY (OPTIONAL).

FOURTH YEAR.—Class I.—None. Class II.—Andrewes and Maclennan, equal.

PETROGRAPHY.

FOURTH YEAR.—Class I.—Maclennan and Gillean, equal. Class II.—Leman, Corriveau: Andrewes and Stevens, equal; Robertson (P. W. K.), Cowans, Nicholls; Moore and Donaldson, equal; Cary. Class III.—Buchanan.

THIRD YEAR.—Cla
and De Ble
equal; Hig
and Hamp
equal; Ogi
Boyd and
Fint, Forn

De Pencier
Dunfield an
Hicks, Murp
Pearson; Ba
Bride, equal

Brown, Robe
Rodger and R
equal; Keitl
Class III.—(
Graham, Musg
(T. C.), Kend
Landry, Musgr

FOURTH YEAR.—Civil an
—Gillean; Cor
son (P. W. K.),
Class III.—Nic

FOURTH YEAR — Class I.

and Neville, equations I.—

S) and Taylor, equal; Millar (J.

and Scott (G. V.

Class III.—Pyke
ling.

SECOND YEAR.—(Architectar Johnston, Corless, Beck and Campbel McBride, equal; E—Coulson, Locker gineering Courses).
Sterns. Class II.and Newton, equal

rcher. Class Palmer and

n. Class II., Flint, Buratt, *Tupper.

and Moore, n (L.), and nan, Stevens.

rtson (P. W. qual; Cary,

II .- Green,

-Burgoyne,

nd Robertn (L.) and n, Stevens,

; Ritchie, ser (D. C.);

equal.

.—Leman, W. K.),

- THIRD YEAR.—Class I.—Burson, Clement, McLaren (J. H.), Edwards; Archer and De Blois, equal. Class II.—Coussirat, Paterson; Lloyd and Taylor, equal; Higman. Class III.—Reynolds and Schwitzer, equal; Cameron and Hampson, equal; Howard (R. F.) and Scott (G. W.), and Wilson, equal; Ogilvie and Ward, equal; Scott, (H. M.), McKenzie, Galbraith; Boyd and Frechette and Glassco (A. P. S.), equal; Labatt, Burwell, Fint, Forman (A. S.), Fraser (D. C.); Ritchie and Tupper, equal.
- SECOND YEAR.—Class I.—Corless and Robertson (J. F.) and Sterns, equal; De Pencier, Smith (G. M.), Heaman, MacKeen. Class II.—Borden, Dunfield and Jackson, equal; Barwick, Meyers. Class III.—Bigger, Hicks, Murphy, Smith (J. M.); Cape and Johnston, equal; Mackay (E.), Pearson; Baird and Coulson, equal; Edgar, Addie; Mathers and McBride, equal; Campbell, Crawford.
- First Year.— Class I.—Foreman (A. E.), Boright, Hall, Richards, Peaslee, Brown, Roberts, McCaskill, Pemberton, McKay (F. A.); Gillies and Rodger and Rowlands, equal. Class II.—Trimingham; Blatch and Ross, equal; Keith, Jones and McKergow, equal; Tilt, Morse, Thorpe. Class III.—Cole and Gale, equal; Hayes, McDonald, Cooper, Cohen, Graham, Musgrave (R.), Langley and Macfarlane and Stovel equal; Fraser (T. C.), Kendall, Denne; Baker and Cameron, equal; Yuile, James, Landry, Musgrave (W. N.), Oakes, Lambart, Anderson.

RAILWAY ENGINEERING.

FOURTH YEAR.—Civil and Mining Engineering Courses.—Class I.—Ewart. Class II—Gillean; Corriveau and Maclennan, equal: Andrewes, Moore, Robertson (P. W. K.), Leman, Cary, Burgoyne; Byers and Donaldson, equal. Class III.—Nicholls, Buchanan, Cowans.

SHOPWORK.

- FOURTH YEAR Class I.—Walker, Smith (G. B.), Hamilton. Class II.—Arkley and Neville, equal; Osborne, Macmaster. Class III.—Percy and Sise.
- THIRD YEAR.—Class 1.—Burwell, Burson, Wilson, McLaren (J. H.); Forman (A. S) and Taylor, equal. Class II.—Howard (R. F.) and Lowden and Ward, equal; Millar (J. L.) and Schwitzer, equal; Breeken, Higman; Cameron and Scott (G. W.), equal; Hampson; Lloyd and Scott (H. M.), equal. Class III.—Pyke; Boyd and Coussirat, equal; Glassco (A. P. S.), Wakeling.
- Second Year.—(Architectural, Civil and Mining Engineering Courses).—Class I.—
 Johnston, Corless, Brainerd, Robertson (J. F.), De Pencier; Barwick and
 Beck and Campbell and Pratt, equal. Class II.—Maclaren (F. H.) and
 McBride, equal; Borden, Crawford; Bigger and Meyers, equal. Class III.
 —Coulson, Lockerby, Heaman, Ralph. (Electrical and Mechanical Engineering Courses).—Class I.—Murphy and Smith (J. M.), equal; Hicks,
 Sterns. Class II.—Addie; Baird and Smith (G. M.), equal; Dunfield
 and Newton, equal; Jackson, Hartz; Porter and Whitley, equal; Mac-

Keen; Pearson and Whiteway, equal; Mathers and Ward, equal. Class III.—Dupuis and Edgar and Smith (R. E.), equal; Lawrence and Peck, equal; Mackay (E.), Weagant.

First Year.—Class 1.—Gillies, Boright, Brown. Class 11.—Graham and Mc-Kay (F. A.), equal; Anderson and Foreman A. E.) and Fraser (T. C. and Jones and McCaskill and Roberts, equal; Cole and Hayes and McKergow and Musgrave (R.), equal; Gale and Pemberton, equal; Kendall and Macfarlane and McDonald and Stovel and Thorpe, equal; Baker and Cooper and Denne and Fraser (R. L.) and Hall and Keith and Landry and Riley, equal; Blatch and James and Morse and Oakes and Rodger and Rowlands and Tilt, equal; Gault and Peaslee and Richards and Robillard, equal; Lambart and Ross, equal; Warrington. Class 111.—Cameron and Cohen and Musgrave (W. N.), and Vallières de St. Réal, equal; Eaton and Langley and Sims and Savage, equal; Harris, Barclay, Cape.

SUMMER ESSAYS.

FOURTH YEAR.—(Civil Engineering Course).—Class I.—Byers and Ewart, equal. Class II.—None. Class III.—Burgoyne. (Electrical Engineering Course) Allen (S. J.) and Glassco (J. G.) and Nelson, equal; Duncan. Class II.—Cornwall and St. George and Miller (A. K.) and Montgomery, equal; Fraser (J. W.). (Mechanical Engineering Course).—Class I.—Shepherd. Class II.—Arkley, Hamilton, Smith (G. B.). Class III.—Osborne, Macmaster, Walker, Sise, Neville. (Mining Engineering Course.—Class I.—Corriveau, Robertson (P. W. K.), Gillean. Class II.—Buchanan and Cowans, equal; Andrewes, Moore. Class III.—Cary. (Chemistry Course). Class I.—Barber.

Third Year.—Civil Engineering Course.—Class I.—None. Class II.—Blanchard Gagnon, Clement. Electrical Engineering Course.—Class I.—None. Class II.—Foreman (A. S.), Burson, Howard (R. F.), Brecken and Lloyd and Wakeling, equal. Class III.—Taylor; Cousirat and Higman and McLaren (J. H.), equal; Boyd. (Mechanical Engineering Course). Class I.—Wilson, Galbraith, Pyke. Class III.—Cameron and Lowden, equal; Flint. (Mining Engineering Course). Class I.—Edwards, Ritchie. Class II.—Palmer, Burchell, Fraser (D. C.), Frechette, Ogilvie; Blue and McKenzie and Tupper, equal. Class III.—Reynolds, White (G. V.). (Chemistry Course).—Class I.—None. Class II.—Jamieson and Labatt, equal. Class III.—DeBlois.

SUMMER READING (ENGLISH).

SECOND YEAR.—Class I.—Sterns, Corless, DePencier; McBride and Heaman, equal. Class II.—Dunfield, Barwick, Brainerd; Robertson (J. F.) and Mathers, equal; Edgar and Smith (G.), equal; Cape, Jackson. Class III.

Mackay, Addie, Bigger, Pearson; Hicks and Coulson, equal; Ralph and Weagant, equal; Murphy, Smith (J. M.), Meyers, Pratt, Maclaren (F. H.), Campbell, Peck; Sewell and Beck and Newton, equal; Lawrence and Baird and Crawford, equal.

THIRD YEAR.

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SECOND YEAR

Second YEAR

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FOURTH YEAR.
THIRD YEAR.
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FOURTH YEAR.—
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Taylor,
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SURVEYING.

THIRD YEAR.—(Civil and Mining Engineering Courses).—Class I.—Clement, Archer. Class II.—Edwards, Frechette, Tupper, Blanchard. Class III.—Ogilvie, Maclennan, Fraser (D. C.), Galbraith; McKenzie and Leman, equal; Flint, Palmer.

Second Year.—(Civil and Mining Engineering Courses).—Class I.—Corless, Robertson (J. F.), Borden, De Pencier. Class II.—Bigger, Barwick, Heaman, Coulson. Class III.—McBride, Maclaren (F. H.), Campbell.

SURVEYING FIELD WORK.

SECOND YEAR.—(Civil and Mining Engineering Courses).—Class I.—Barwick and Borden and Corless and De Pencier and Robertson (J. F.), equal; Bigger. Class II.—Maclaren (F. H.), Heaman, Meyers, Coulson; Beck and Campbell and Johnston and McBride, equal. Class III.—Brainerd and Crawford and Porcheron, equal; Ralph.

THEORY OF STRUCTURES.

FOURTH YEAR.—Class I.—None. Class II.—Burgoyne, Byers, Ewart.

THIRD YEAR—Class I.—McLaren (J. H.), Burson, Clement; Edwards and Gagnon, equal. Class II.—Fraser (D. C.) and Glassco (A. P. S.), equal; Cameron, Schwitzer; Ogilvie and Taylor, equal; Boyd and Scott (H. M.), equal; Hampson and Howard (R. F.), equal; Allan (L.), and Ward (P. W.) and White (G. V.), equal; Palmer and Wilson, equal; Burwell and Reynolds and Ritchie, equal. Class III.—Archer, Blanchard, Forman (A. S.); Frechette and Pyke and Tupper, equal; Blue; Galbraith and Lowden, equal.

THERMODYNAMICS.

FOURTH YEAR.—(Civil and Mining Engineering Courses.)—Class 1.—Corriveau, Allan (L.). Class II.—Robertson (P. W. K.), Gillean, Ewart, Byers, Moore. Class III.—Nicholls, Cary, Donaldson, Burgoyne, Buchanan. (Electrical Engineering Course).—Class I.—Allen (S. J.) and Nelson, equal; Shepherd. Class II.—Duncan, Miller (A. K.), St. George, Glassco (J. G.). Class III.—Cornwall; Fraser (J. W.) and Montgomery, equal. (Mechanical Engineering Course).—Class I.—None. Class II.—Walker, Hamilton, Neville. Class III.—Arkley; Macmaster and Osborne, equal; Smith (G. B.).

THIRD YEAR.—Class I.—Clement. Class II.—Burson and McLaren (J. H.) and Taylor, equal; Tupper; Coussirat and Pyke and Schwitzer and Scott (H. M.) and Wilson, equal; Archer and Gagnon and McKenzie, equal; Glassco (A. P. S.) and Howard (R. F.), equal. Class III.—Boyd; Burwell and Cameron and Lloyd and Palmer, equal; Fraser (D. C.); Blanchard and Hampson and Ward, equal; Burchell and Ogilvie and Ritchie, equal; Edwards and Frechette and Millar (J. L.), equal.

al; Baker and th and Landry and Rodger and and Robilss III.—Cam-. Réal, equal; Barclay, Cape.

, equal. Class

ence and Peck

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Fraser (T. C.

Hayes and Mc-

equal ; Kendall

mering Course). Class II.—
mery, equal;
I.—Shepherd.
Osborne, Mace.—Class I.—
Buchanan and
istry Course).

.—Blanchard
ss 1.—None.
m and Lloyd
Higman and
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wden, equal;
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ue and Mcite (G. V.).
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d Heaman,
(J. F.) and
Class III.
Ralph and
aren (F. H.),
wrence and

Students of the University

SESSION 1899-1900,

McGILL COLLEGE.

FACULTY OF LAW.

FIRST YEAR.

Astle, Thomas Francis, Little Metis, P.Q. Astle, Thomas Francis, Intele Meets, 1.3c.
Aylmer, Henry U.P., Richmond, P.Q.
Belknap, Sewell F., Knowlton, P.Q.
Bonin, Alexander L., Montreal
Brown, Ernest N., Lachine
Cotton, Charles Mackay, Sweetsburg, P.Q. Couper, William Mason, Montreal South Draper, Denis C., Sutton Jct., P.Q. Draper, Denis C., Sut Duff, Alexander Huntley, Montreal Gariépy, Wilfred, Edmondton, Alta. Letendre, Fred.,
Lussier. Edward Charles,
Ogden, Charles G.,
Three Rivers, P.Q. Montreal Peloquin, Roméo, Smith, H. E. Montreal Montreal Staveley, Wm R., Montreal St. Jérome, P.Q. Theberge, Albert, Vipond, Herbert S. Montreal Wainwright, Arnold, Montreal

SECOND YEAR.

Beique, Fred.,	Montreal
Campbell, G. A., B.	A., (McGill) Montreal
Curran, Louis E.,	Montreal
Doak, A. E,	Coaticook, P.Q.
Holden, A. R., B. A.	A., B.Sc., (McGill),
	Montreal
McMaster, A. R.,	Montreal
McMichael, R. C.,	Windsor Mills, P.Q.
Mann, J. A,	Montreal
Meagher, J. J.,	Montreal
Mitchell, W. G.,	Danby, P.Q.

Moffat, D. S., B.A., (McGill), Inverness, P.Q. Normandin, Z., St. Henri, P.Q. Place, E. G., Rowat, D. McK., Millington, P.Q. Athelstan, P.Q. Rowat, D. McK., Athelstan, P.Q. Skinner, Waldo M., St. John, N.B. Springle, Hobart A., Montreal Thompson, J. R., Kinnear's Mills, P.Q. DuTremblay, P. R.,

Ste. Anne de la Pérade, P.Q.

Westover, E. W., Sutton, P.Q.

THIRD YEAR.

Archibald, Samuel G.,	B.A., (McGill),
	Montreal
Baby, H., B.L.,	Montreal
Baker, George H.,	Sweetsburg, P.Q.
Ball, W. S.,	East Bolton, P.Q.
Barlow, J. C.,	Montreal
Bercovitch, P,	Montreal
Burke, Edmund A.,	Montreal
Chauvin, Henry,	Montreal
Dobell, Alfred, B.A.,	Quebec, P.Q.
Enright, Frederick T.	
Garneau, Léon,	Ottawa
Kay, William F.,	Montreal
McCabe, F. E. P. F.,	

Macalister, A. W. G., Danville, P.Q. Kacfarlane, L., B.A., (McGill), Montreal Mackay, Hugh, Margolese, Louis, Mayrand, O., B.L, Montreal Mayrand, O., B.L,
Redpath, Jocelyn C.,
Rinfret, T.,
Robertson, W. G. M., B.A., (Bishops'),
Sherbrooke; P.Q.
Montreal St. Phillipe, P.Q. Montreal Thomson, A. B., Montreal Trihey, Harry,
Walsh, Thomas E., B.A., (Laval),
Montreal Whelan, Joseph, Montreal Allan, R. H., M.
Allum, A. W.,
Anderson, C. V.
Anderson, J. J.
Bailey, G. W., I
Billings, W. H.
Bishop, G. A., I
Boyd, O., Russe
Bromley, J. E.,
Brooks, J. E.,
U.S.A
Brown, I. E., E.
Bulmer, A. M.,
Burns, A. S., B.,
Campbell, W. G.
Cary, W. H., Mo
Chamberlain, H. Chaplin, H. L. S.
Church, H. C., C
Conway, C. J., M
Cowperthwaite, I
Crosby, P. C., Ma
*Crowell, B. C., Y
Cumming, W. G.,
Dickson, A. J., B
Donnelly, Willian
Donohoe, J. J.,
U.S. A

Doyle, F. H., B.A
Eaton, F. C., Han
Ebbett, I. P. B.,
*Elder, R., Trout F
Ells, R. H., Ottawa
English, J. M., Ne
Forbes, R. D., Stra
Freeze, E. H., Pen
*Fripp, G. D., Otta
Frost, A. C., Mont
Gale, W. P., Quebe
Gillis, J. H., Campl
Gould, D., York H.
Gow, R. J., Warkw
Gulliver, F. D., Po
*Hall, O., Washingt
Hansen, N.C., M.A.
Hardisty, R. H. M.,
†Hersey, R. J. Mont
†Hewitt, T. J., Mont
Hewitt, T. J., Wohl
Kerns, D. A., Ottaw
Kerny, R. W., Ottaw
Kerny, R. W., Cal
Laurie, E., B.A., Mol
Lamb, W. V., St., Al
Lundie, J. A., B.A.,
Lyman, W. S., Knox
Lynch, A. L., Ottawa,
MacCallum, J. D. G.,
Macdonald, R. St.
Brook, N.S
Mackenzie, W. A., Woo
MacMillan, T. F., Mor

^{*} Double Course. † Partial.

FACULTY OF MEDICINE.

FIRST YEAR.

Montreal Sorel, P.Q. Rivers, P.Q. Montreal Montreal Montreal Térome, P.Q. Montreal Montreal

1), erness, P.Q. Henri, P.Q. ington, P.Q. telstan, P.Q. . John, N.B. Montreal Mills, P.Q.

erade, P.Q. Sutton, P.Q.

nville, P.Q.), Montreal Montreal Montreal illipe, P.Q. Montreal Montreal (Bishops'), rooke; P.Q. Montreal Montreal val), Montreal

Montreal

Allan, R. H., Montreal Que
Allum, A. W., Renfrew, Ont
Anderson, C. W., B.A., Halifax, N.S
Anderson, R. J. R., Chaudiere, Que
Andrews, J. J., St. Lambert's, Que
Auston, J. B., Brighton, Ont
Bailey, G. W., Fredericton, N.B
Billings, W. H., Hamilton, Ont
Bishop, G. A., Kinburn, Ont
Boyd, O., Russell, Ont
Bromley, J. E., Pembroke, Ont
Brooks, J. E., B.A., Eastport, Maine,
U.S.A Bishop, G. A., Kinburn, Ont
Boyd, O., Russell, Ont
Bromley, J. E., Pembroke, Ont
Brooks, J. E., B.A., Eastport, Maine,
U.S.A
Brown, I. E., Edwards, N.Y., U.S.A
Bulmer, A. M., Montreal, Que
Burns, A. S., B.A., Kingston Station, U.S
Campbell, W. G., Brantford, Ont
Cary, W. H., Montreal, Que
Chamberlain, H. B., Perth, Ont
Chaplin, H. L. S., St. John's, Nfid
Church, H. C., Chelsea, Que
Conway, C. J., Melville, Mass., U.S.A
Cowperthwaite, H. H., St. Johns, Nfid
Crosby, P. C., Marshfield, P.E.I
*Crowell, B. C., Yarmouth, N.S
Cumming, W. G., B.A., Montreal, Que
Dickson, A. J., B.A., Goderich, Ont
Donnelly, William H., Montreal, Que
Donchoe, J. J., B.A., Worcester, Mass,
U.S.A
Doyle, F. H., B.A., Natick, Mass., U.S.A
Eaton, F. C., Hancock, N.H., U.S.A
Ebbett, L. P. B., Lower Gagetown, N.B
*E'der, R., Trout River, Que
Ells, R. H., Ottawa, Ont
English, J. M., New Westminster, B.C
Forbes, R. D., Stratford, Ont
Freeze, E. H., Penobsquis, N.B
*Fripp, G. D., Ottawa, Ont
Frost, A. C., Montreal, Que
Galle, W. P., Quebec, Que
Gillis, J. H., Campbellton, N.B
Gould, D., York Harbor, Maine, U.S.A
Gow, R. J., Warkworth, Ont
Gulliver, F. D., Portland, Maine, U.S.A
Shall, O., Washington, Ont
Hansen, N.C., M.A., St. John, N.B
Hardisty, R. H. M., Montreal, Que
†Hewitt, T. J., Montreal, Que
†Hewitt, T. J., Montreal, Que
Hoy, C. N., Orillia, Ont
Huumphrey, G. A., Montreal, Que
†Hewitt, T. J., Montreal, Que
thersey, R. J., Washington, D.C., U.S.A
Kissane, J. W., Chateaugay, N.Y, U.S.A
Langsford, A. W., Cameron, Ont
Laurie, E., B.A., Montreal, Que
Lamb, W. V., St., Andrews, N.B
Lundie, J. A., B.A., Montreal, Que
byman, W. S., Knoxville, Tenn., U.S.A
Lynch, A. L., Ottawa, Ont
MacCallum, J. D. G., Montreal, Que
Macdonald, R. St. J., B.A., Bailey's
Brook, N.S
Mackenzie, W. A., Wood Islands N., P.E.I
MacMillan, T. F., Montreal, Que

*Double Course.
† Partial.

*Macnab. C. R., Salmon, Idaho, U.S.A
MacNeill, A. L. H., Stanley Bridge, P.E.I
McCulloch, J. M., Durham, Ont
McDiarmid, C. A., Kemptville, Ont
McDonald, S., St. John, N.B
McEachern, I. W. T., Rockland, Ont
McGeachy, J. A. M., Iona, Ont
McGillis, J. D., Montreal, Que
McGrath, F. C., Norway, P.E.I
McGuegon, J. D., Kelly's Cross, P.E.I
McInerney, D. C., Kingston, N.B
McIntosh, H. H., Montreal, Que
McIntosh, J. A., Vankleek Hill, Ont
McKechnie, D. W., Dundas, Ont
McLaren, D. D., Felton, Ont
McLaren, D. D., Felton, Ont
McLaren, D. D., Felton, Ont
McLaren, D. C., Vankleek Hill, Ont
McLaren, D. C., Peterboro, Ont
Maby, W. J., Cohoes, N.Y., U.S.A
Magee, C. F., North Gore, Ont
Maillet, H. A., Bute City, Montana,
U.S.A Maby, W. J., Cohoes, N.Y., U.S.A
Magee, C. F., North Gore, Ont
Maillet, H. A., Bute City, Montana,
U.S.A
Manion, W. T., Waterford, N.Y., U.S.A
Markson, S., Glen Robertson, Ont
Meindl, A. G., Mattawa, Ont
Meindl, A. G., Mattawa, Ont
Montgomery, C. H., St. John, N.B
Morris, S. C., Wallace, N.S.
Munro, A. J., Montreal, Que
Munro, J. H., Maxville, Ont
Munroe, H. E., St. Elmo, Ont
*Murphy, H. H., Antrim, Ont
Murray, J. S., St. John, N.B
Nathan, D., Montreal, Que
Nelson, J. S., Citv View, Ont
Nelson, W. E., Montrea, Que
O'Brien, C. W., B.A., Noel, N.S
Oliver, C. J., Mansonville, Que
t'Oliver, J. A., Winnipeg, Man
O'Neill, J. M., Messina, N.Y., U.S.A
Park, A. W., Durham, Ont
Parris, N. D., Barbadoes, W.I
Patch, F. S., B.A. Montreal, Que
Peterson, G. R., Toy's Hill, Ont
Price, J., Campbellton, N.B
Puddington, B. A., St. John, N.B.
Quain, B. P., Moira, N.Y., U.S.A
Rehfuss, W. N., Bridgewater, N.S
Ross, T. M., Lancaster, Ont
Rousseau, J. A., B.A., Three Rivers, Que
Saunders, T. H., Webster, Mass., U.S.A
Secord, W. H., Brantford, Ont
Seifert, F. W., Quebec City, Que
Shillington, R. N. W., Ottawa, Ont
Sibbald, J. P. M., Sutton, West Ont
Slack, M. R., Farnham, Que
Smith, C. M., Red Mountain, Que
Smith, C. M., Red Mountain, Que
Steeves, E. O., Upper Sackville, N.B
Sweeney, J. L., B.A., Dover, N.H., U.S.A
Taggart, E. A., Ottawa, Ont
Teitelbaum, T. A., Montreal, Que
Thomas, S. B., Bridgetown, Barbadoes,
W.I.
Truax, W., Farnham, Que W.I
Truax, W., Farnham, Que
Turner, G. H., B.A., Baie Verte, N.B
White, P. G., Woodstock, Ont
White, S. G., Ottawa, Ont
Wilson, A., Russell, Ont
Wilson, C. E., Napanee, Ont
Wood, C. D., Montreal, Que
Winder, J. B., B.A., Compton, Que
*Wotherspoon, H., Montreal, Que

^{*} Double Course.

[†] Partial.

SECOND YEAR.

Alexander, J. H.. Westmount, Que Ames, A. C., Field, B.C.
Anthony, T. B., Berwick N.S.
Anton, D. L. S., Ireland, — G.B.
Arnold, D. R., B.A., St. John, N.B.
Bailie, S. A., B. A., Troy, N.Y., U.S.A.
Bishop, L. C., Marbleton, Que
Blair, A. K., Chicoutimi, Que
Blair, H. G. F., Ashton, Ont
Blakeman, F. W., Stratford, Ont
*Boulter, J. H., Picton, Ont
Boyd, R. M., Belleville, Ont
Briggs, J. A. New Westminster, B.C
Byers, J. R., Gananoque, Ont
Campbell, J. A. E., B.A., Westmount, Q.
Cantlie, F. P. L., Montreal, Que
Carnocham, W. L. C., Montreal, Que
Carter, W. Le M., B.A., Quebec, Que
Chandler, E. C., Montreal, Que
Christie, F. J., Martintown, Ont
Codrington, R., F., Montreal, Que
Colby, J. C., B.A., Stanstead, Que
Coleman, C. E., Chatham, N.B
Cox, R. B., Collinsville, Conn., U.S.A.
Cullen, W. H., Montreal, Que
Curren, L. M., Johnston, N.B
Delaney, M., Magdalen Islands
Dickson W. H., Pembroke, Ont
*Dixon, J. D., Montreal, Que
Dorion, W. A., Waterloo, Que
Dovion, W. A., Waterloo, Que
Dovyle, A. J., Jacquet River, N.B
Eastman, E. B., Portsmouth, N.H., U.S.A
Evans, S., Ottawa, Ont
Fairie, J. A., Montreal, Que Doyle, A. J.. Jacquet River, N.B Eastman, E. B., Portsmouth, N.H., U.S.A Evans, S., Ottawa, Ont Fairie, J. A., Montreal, Que Fearn, C. J., St. Johns, Nfd Ferguson, W. H., St. Thomas, Ont Folkins, H. G., Millstream, N.B Ford, W. S., Belleville, Ont Forster, J. F. C., Dorchester, N.B Fuller, H. T., Halifax. N.S Gardiner, R. J., Smith's Falls, Ont Gardner, W. A., B.A., Huntingdon, Que. Giles, G. N., Madera, Cala, U.S. A. Gilmour, C. R., Brockville, Ont Grant, W. W., Montreal, Que Green, F. W., Pictou, N.S Gurd R. D., Sarnia, Ont Halliday, J. Le, R. Sawyerville, Que Harris, L. C., Moncton, N.B Hart, F. W., B.A., Sackville, N.B Henry, C. M., Palmer, S., Dakota, U.S.A Hollingsworth, J. E., Meekling, S. Dakota, U.S.A ta, U.S.A Hopkins. C. W., Aroostook Junc., N.B Horsfall, F. L., Montreal, Que Hyatt, E. A., B.Sc., Spragueville, N.Y., U.S.A. U.S.A.
Irwin, F., Shelburne, N.S.
Johnson, G. R., B.A., Oxford, N.S.
Johnson, J. A., B.A., Lachine, Que
Jones, N. C., Gananoque, Ont
Leney, J. M., B.A., Montreal, Que

Lidstone, A. E., Richmond, West Ont Lynch, J. B., Fredericton, N.B Macdonald, A. A., St. Andrews, P.E.I Mackinnon, G. E. L., Alexandria, Ont MacNaughton, J. A., Salisbury, N.B. McDonald, P. A., B.A., Dundee Centre, McDonald, P. A., Salisbury, N.B.
McDonald, P. A., B.A., Dundee Centre, Que

*McEwen, J. R., Dewittville, Que
McGibbon, D., Arkona, Ont
McGrath, R. H., Dorchester, N.B
McKee, W. E., Coaticooke, Que
McKenzie, J. B., B.A., Campbellton, N.B
McNeill, J. F., Kensington, P.E.I

*McPherson, Thos., Stratford, Ont
Manchester, J. W., St. John, N.B
Martin, H. E., Chatham, Ont
Mason, E. G., Westmount, Que
Mason, F. C., Plattsburg, N.Y., U.S.A.
Mason, L. D., B.A., Montreal, Que
Menzies, J. E., New Bedford, Mass

*Mitchell, I. E., Sherbrooke, Que
Moffatt, G., Inkerman, Ont
Moore, P. T., B.A., Montreal, Que
Morin, E. J., Springfield, Mass., U.S.A.
Morrison, J. F., Copleston, Ont
Morse, G. R., Melvern Sqr., N.S
Morse, W. B., B.A., Lawrencetown, N.S
Mothersill, G. S., Ottawa, Ont
Ness, W., Howick, Que
Netten, P. E., Port de Grave, Nfd
O'Reilly, E. P., B.A., Hamilton, Ont
Palmer, G. H., Dorchester, N. B
Paterson, R. C., B.A., Montreal, Que
Pavey, H. L., London, Ont
Peters, O. R. Gagetown, NB.
Pickard, L. N., Charlottetown, P. E.I
Pilot, F. W. H., St. John's, Nfd
Pratt, C. M., St. John, N. B
Ramsay, W. A., Westmount, Que
Rawlings, W. T., Montreal, Que
Ritchie, C. F., Montreal, Que
Robertson, W. G., Montreal, Que
Saunders, W. E., Woodstock, N. B
Scott, W., Montreal, Que
Saunders, W. E., Woodstock, N. B
Scott, W., Montreal, Que
Smith, T. W., Hawkesbury, Ont
Snetsinger, H., W., Moulinette, Ont
Stockwell, H. K., Danville, Que
*Strong, N. W., Cambria, Ont
Stowell, F. E., Worcester, Mass., U.S.A.
Thomas, J. W., B.A., Montreal, Que
Tolmie, J. A., Moose Creek, Ont
Townsley, R. H., Westmount, Que
Tracy E. A., B.A., Island Pond, Vermont,
U.S.A.
Van Wart, R. McL., B.A., Fredericton,
N.B.
*Walker, H. Jr. Naw York, U.S.A. Que *McEwen, J. R., Dewittville, Que U.S.A. Van Wart, R. McL., B.A., Fredericton, Van Wart, R. Jack, M. S. N.B. *Walker, H., Jr., New York, U.S.A. Warren, J. G., Montreal, Que Williams, R. G., Meaford, Ont

THIRD YEAR.

Bayfield, T. F., Charlottetown, P.E·I Beatty H. W., Sarnia, Ont Belanger, E. R., Ottawa, Ont

Blake, J. J., Charlottetown, P.E.I Boire, W. E., Manchester, N.H., U Borden, H. L., B.A., Canning, N.S.

Browne, J. G.,
Bruce, Jas., B
Burrows, A. E.
Butler, P. E., |
Callbeck, A. D.
Campbell, R. P
Carlyle, D. A.,
Collison, H. M.
Collison, J., Di
Coristine, W. H.
Crang, F. W., T
Currie, W. D., I
Dalton, C. H., I
Dalton, C. H., J
Donovan, J. B.,
Duncan, J. W.,
Egan, W. J., Sy
Ellis, R. L., Yo
Featherston, H.
Fleming, J. E.,
Fuller, A. T., B.
Gardner, R. L.,
George, J. D., R
Goodall, J. R., B
Harley, R. J., O.
Hope, J. T., Glei
Hóward, A. C. P
Hughes, R. E., R
Hunter, E. N.
U.S. A U.S.A
Jackson, G. F., B
Johnston, J. L.,
Johnson, R. DeL,
Jones, J. H., Bro
Jones, Sydney, I
U.S.A
Kendall, A. L., V
Ker, R. H., B.A.,
Lawlor, F. E., Da
Learmonth, G. E.,
Leggett, T. H., Ott
Littig, J. V., Dave
Little, H.M., B.A.,
Lomas, A. J., Mon
Lunney, T. H., St.
MacCarthy, F. H.,
MacKay, D. S., Re
MacKay, M., B.A.,
MacNeill, J. W., K
McDonald, C. A., M
McDonald, F. E., Q Akerley, A. W. K.,
Armstrong, J. W., I
Baird, J. A., Brucel
Ballantyne, C. T., C
Beadie, W. D., Lach
Bishop, T. E., Harve
Branley, J. H., Char
Brannen, J. P., Mon
Brown, E. L., Chest
Buffett, C., B.A., Gr
Burnett, P., Montre:
Carnwath, J. E. M.,
Cartwright, C., King
Charlton, G. A., St G
Chisholm, A. J., New
Clemeshea, W. F., Pc
Coates, H. W., Bass I
Coffin, J. D., Charlott
Conroy, R. J., Peterb
Cook, C. R., Montrea
Costello, A. E., Montre

^{*} Double Course. † Partial.

nd, West Ont n, N.B ndrews, P.E.I xandria, Ont untingdon, Que sbury, N.B. Dundee Centre,

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Maine, U.S.A val. Que y, Ont tte, Ont Que int Wass., U.S.A. real, Que ; Ont at, Que ond, Vermont,

Fredericton,

U.S.A. ue ont

P.E.I I.H., U.S.A g, N.S. Browne, J. G., B.A., Montreal, Que
Bruce, Jas., B.A., Montreal, Que
Butler, P. E., B.A., Milltown, N.B
Callbeck, A. DeB., Tryon, P.E.I
Campbell, R. P., B.A., Montreal, Que
Carlyle, D. A., Morewood, Ont
Collison, H. McN., Dixon's Corners, Ont
Collison, J., Dixon's Corners, Ont
Coristine, W. H., Montreal, Que
Crang, F. W., Toronto, Ont
Corrie, W. D., Halifax, N.S
Dalton, C. H., Tignish, P.E.I
Donovan, J. B., Lewiston, Maine, U.S.A
Duncan, J. W., Montreal, Que
Egan, W. J., Sydney Mines, N.S
Ellis, R. L., Youghall, N.B
Featherston, H. C., Hamilton, Ont
Fleming, J. E., Rustico, P.E.I
Fuller, A. T., B.A., Fruro, N.S
Gardner, R. L., B.A., Brockville, Ont
George, J. D., Redwood, N.Y., U.S.A
Goodall, J. R., B.A., Ottawa, Ont
Harley, R. J. O., Dublin, Ireland
Hope, J. T., Glen Robertson, Ont
Howard, A. C. P., B.A., Montreal, Que
Hughes, R. E., Rustico, P.E.I
Hunter, E. N. McL., Merrimac, Mass,
U.S.A
Jackson, G. F., Brockville, Ont
Johnston, J. L., Fournier, Ont
Johnson, R. DeL., B.A., Montreal, Que
Jones, J. H., Brockville, Ont
Jones, Sydney, B.A., Cleveland, Ohio,
U.S.A
Kendall, A. L., Vancouver, B.C
Ker, R. H., B.A., Montreal, Que
Lawlor, F. E., Dartmouth, N.S
Learmonth, G. E., Montreal, Que
Leggett, T. H., Ottawa, Ont
Littig, J. V., Davenport, Iowa, U.S.A
Little, H.M., B.A., London, Ont
Lomas, A. J., Montreal, Que
Lumey, T. H., St. John, N.B
MacCarthy, F. H., Ottawa, Ont
MacKay, M., B.A., Montreal, Que
MacKenzie, S. D., Sarnia, Ont
MacNeill, J. W., Kensington, P.E.I
McDonald, F. E., Qu'Appelle, N.W.T

Martin, E. A.. Kemptville, Ont
Martin, J. J., North Bay, Ont
May, L. W., Ottawa, Ont
Meighen, W. A., Perth, Ont
Miller, G. H. S., Alexandria, Ont
Miller, S., South Durham, Que
Moore, J. C., D. V. S., St. Chrysostome,
Que
Morgan, A. D., Nanaimo, B.C
Moses, H. C., Caledonia, Ont
Mullaly, E. J., Souris, P. E.I
Newcombe, W. E., Vanrouver, B.C
Niven, J. K., London, Ont
Penner E., B.A., Gretna, Man
Redon, L. H., B.A., Victoria, B.C
Richards, B.A., Yarnouch, N.S
Roberts, J., Woodbuin, Ont.
Robertson, C. G., Hawkesbury, Ont
Robertson, C. G., Hawkesbury, Ont
Robertson, R. D., St. John, N.B
Robidoux, E. L., B.A., Shediac, N.B
Rogers, H. B., Victoria, B.C
Russel, C. K., B.A., Montreal, Que
Russell, E. M., B.A., Springfield, Mass.,
U.S.A
Rutherford, C. A., Waddington, N.Y
Ryan, W. T., B.A., Melville, N.B
Sanders, C. W., Kemptville, Ont
Scriver, E. F., Hamilton, Ont
Shearer, R. L., Kelso P. O., Que
Simpson, E. G. W., Lennoxville, Que
Simpson, S., Bay View, P.E.I
Stentaford, G. L., Heart's Content, Nfd
Stevenson, J., B.A., Montreal, Que
Stewart, C. A., Dunvegan, Ont
Stewart, C. A., Dunvegan, Ont
Stewart, C. A., Havelock, N.B
Taylor, W. L., Waterloo, Que
Ward, J. A., Lewiston, Maine, U.S.A
White, E. H., B. A., Montreal, Que
Wiggins, W. I., Lowell, Mass, U.S.A
Wiley, B. E., Fredericton, N.B
Wilkins, F. F., Montreal, Que
Williams, W., Remsen, N.Y., U.S.A
Wilson, J. J., Montreal, Que
Williams, W., Remsen, N.Y., U.S.A
Wilson, J. J., Montreal, Que
Winter, D. E., Montreal, Que

FOURTH YEAR.

Akerley, A. W. K., Fredericton, N.B. Armstrong, J. W., B.A., Bristol, Que Baird, J. A., Brucefi-ld, Out Ballantyne, C. T., Ottawa East, Ont Beadie, W. D., Lachine Locks, Que Bishop, T. E., Harvey Bank, N.B. Bradley, J. H., Charlottetown, P.E.I. Brannen, J. P., Montreal, Que Brown, E. L., Chesterville, Ont Buffett, C., B.A., Grand Bank, Nfid Burnett, P., Montreal, Que Carnwath, J. E. M., Riverside, N.B. Cartwright, C., Kingeton, Ont Charlton, G. A., St George, Ont Chisholm, A. J., New Glasgow, N.S. Clemeshea, W. F., Port Hope, Ont Coates, H. W., Bass River, N.B. Coffin, J. D., Charlottetown, P.E. I. Conroy, R. J., Peterboro, Ont Cook, C. R., Montreal, Que Costello, A. E., Montreal, Que

Cowperthwaite, W. M., St John's, Nfld Cox, J. R., Hull, Que Crozier, J.A., B.A., Ashburn, Ont Cuzner, G., Ottawa, Ont Donaldson, A. S., Brockville, Ont Donnelly, A. J., B.A., Sturgeon, P.E.I Doull, A. E., Dutch Village, Halifax, N.S Duffy, P. F., Charlotterown, P.E.I Eagar, W. H., Dartmouth, N.S Freeman, C. H., B.A., Milton, N.S Fourney, F. W., Montreal, Que Gibson, E. J., Campbel ford, Ont Gilday, A. L. C., B.A., Montreal, Que Gray, H. R. D., B.A., Montreal, Que Hall, A. R., Washington, Ont Harvie, S. K., B.A., Newport, N.S Haszard, C. F. L., Charlottetown, P.E.I Henry, C. K. P., Ottawa, Ont Hiebert, G., Gretna, Man Hill, W. H. P., Montreal, Que Jardine, J., Freetown, P.E.I

Jones, H. A., B.A., Moncton, N.B. Kannary, E. LeR., B.A., Northfield, Minn., U.S.A

Kannary, E. LeR., B.A., Northfield, Minn., U.S.A Keating, B. H., Montreal, Que Keating, H. T., Montreal, Que MacKinnon, I. W., Charlottetown, P.E.I Macpherson, C., St Johns, Nfld McAuley, A. G., Ventnor, Ont McConnell, R. E., B.A., Montreal, Que McDiarmid, W. B., Maxville, Ont McDonald, W. F., Westville, N.S McDougall, A., Seaforth, Ont McKee, S. H., B.A., Fredericton, N.B McSorley, H. S., Montreal, Que Martin, L. W., Warden, Que Mellon, P. B., Ottawa, Ont Morrison, A. S., Montreal, Que Morrison G. D., Vankleek Hill, Ont Moss, J. U., Montreal, Que Murray, L. M., Truro, N.S Mussen, A. T., Lachine, Que O'Su livan, M. T., Glace Bay, C.B Paintin, A. C., Mansonville, Que Paterson, A., B.A., Montreal, Que Paterson, W. F., B.A., Montreal, Que

Pattee, F. J., Vankleek Hill, Ont Patton, J. W. T., Ponds, N.S Payne, R. H., Jamaica, W. I. Peake, E. P., B.A., Oshkosh, Wis., U.S.A Pittis, H., Plainfield, N.J., U.S.A Pope, E. L., B.A., Belleville, Ont Porter, A. S., Powassan, Ont Reynolds, F. L., St. John, N.B. Richard, F. A., B.A., Richibucto, N.B. Robb, G. W. A., Oxford, N.S. Ross, H., B.A., Montreal, Que Rowley, W. E., B.A., Marysville, N.B. Rutherfurd, A. E., Montreal, Que Sayre, T. D., Amherst, N.S. Secord, E. R., Brantford, Ont Shaughnessy, C. R., St Stephen, N.B. Snyder, A. E. W., Coaticooke, Que; Stevenson, R. H., Dansville, Que Symmes, C. R., Aylmer, Que Todd, J. L., B.A., Victoria, B.C. Turnbull, J. A., Bear River, N.S. Turner, W. G., Quebec City, Que Townshend, C., Parrsboro, N.S. Wilson, W. A., Carleton Place, Ont Wood, D. F., Faribault, Minn., U.S.A. Wood, J. H. M., Montreal, Que

FACULTY OF ARTS.

Uudergraduates.

Name.

Anderson, Alex. K., Budyk, J. S., Cameron, Dakers, Couture, Gui. U., Davidson, Macfarlane B., Davidson, Maciariane B.
Davies, Thos. A.,
Dunlop Alan C.,
Dutaud, Gustave,
Fripp, Geo. D.,
Gnaedinger, Ernest G.,
Halpenny, T. Anson,
Hanington, Jno. W. B., Hanington, Jno. W. B. Harris, Alan Dale, Healy, Walter J., Holman, Wm. L., Johnson, Walter S., Joseph, H. Pinto, Lomer, Gerhard R., McCracken, Robt. H., McKellar, Hugh, McLeish, John, MacKay, Eric B., MacMillen, Hy. H.. MacMillen, Hy. H., McMorran, T S., Mowatt, Edward E., Parkins, Edgar R., Pattison, Albert M., Philps, Wm. K., Pownall, Edward W.,

FIRST YEAR. School.

Residence. Coban, Guatemala, S.M. Montreal. Private Tuition, Montreal H. S., Abingdon School, Montreal, Montreal. Montreal. Montreal High School, Ottawa, Ont. Charlottetown, P.E.I. Ottawa Coll. Inst. Upper Canada Coll., Montreal High School Montreal. Feller Inst., Grande Ligne, Ottawa Coll. Inst., St. Blaise, Q. Ottawa, Ont. Montreal. Montreal H. S., Bearbrook, Ont. Victoria, B.C. Sydenham H. S., Collegiate School, Victoria, B.C., Ottawa, Ont. Private Tuition,
St. Francis Coll. School,
Prince of Wales Coll., Richmond, Q. Summerside, P.E.I. Montreal. Montreal High School, Quebec Q. Montreal. Quebec H. S., Montreal H. S., Huntingdon, Q. Huntingdon Acad., Vankleek Hill, Ont., Martintown, Ont. Montreal. Private Tuition,
Abingdon School,
Prince of Wales Montreal. Alberry Plains, P.E.I. Coll., Ottawa, Ont. Ottawa Coll. Inst., Montreal. Huntingdon Acad., Montreal High School Montreal. Clarenceville, Q. Huntingdon, Q. Montreal, Clarenceville Model School. Huntingdon,

Name. Seaman, Jno. (Simister, Varre Simpson, G. A. Sutherland, Fo. Troop, G. Wm.

Wilson, Thos. J

Adams, Chaunce Ascah, Robt. G. Blagrave, Robt Browne, H. Dalz Carlyle, Ernest J Carson, Hermon Cole, Geo. E., Crothers, Harold Crowell, Sam. G Fox, Frank H., Harris, Spencer Ireland, F. Chas. Jack, Milton. McDonald, Jno. A Muir, Kenneth C. Murr, Kenneth C.
Murn, W. Clemer
Murphy, Herbert
Ogilvie, Guy,
Parker, Dan. T.,
Plant, Verner L.,
Price, Joe, Pruyn, Wm. G.. Walker, Jno. J.,

Name.

Anderson, Richard Barrington, Fred. H Boulter, J. Henry., Brodie, Hugh H., S Brown, Albert V Charters, Herbert, Chipman, Warwick Copeman, Joseph Ho Cotton, Wm. U., Dickson, Norval, Fuller, George D. Harper, Robert J., Hickson, Robert N., Lindsay, J. Edwin, Lochead, Arthur W McCormick, Alex. S.,

McDonald, John, McEwen, John R.,

Hill, Ont sh, Wis., U.S.A ., U.S.A ille, Ont Ont N.B hibucto,'N.B N.S Que ysville, N.B eal, Que ephen, N.B oke, Que; le, Que ie, Que lace, Ont inn., U.S.A

Que

?esidence. itemala, S.M. Montreal. Montreal. Montreal. Ottawa, Ont. town, P.E.I. Montreal. t. Blaise, Q. Ottawa, Ont. Montreal. rbrook, Ont. ictoria, B.C. Ottawa, Ont. chmond, Q. rside, P.E.I. Montreal. Quebec Q. Montreal. tingdon, Q. atown, Ont. Montreal. Montreal. ains, P.E.I.

ttawa, Ont. Montreal.

Montreal.

ingdon, Q. Montreal,

Name. Seaman, Jno. C., Simister, Varren,
Simpson, G. A.,
Sutherland, Forbes D.,
Troop, G. Wm. H.,
Wilson, Thos. J.,

School. Resiaence. Montreal Dioc. Theol. Coll. Montreal H. S., Otter Lake, Q. Montreal. Montreal H. S., Montreal. Private Tuition. Montreal. M. Dioc. Theol. Coll., M. Dioc. Theol. Coll., Montreal. Shawville Q.

SECOND YEAR.

Adams, Chauncey A.,
Ascah, Robt. G.,
Blagrave, Robt C.,
Browne, H. Dalzell,
Carlyle, Ernest J.,
Carson, Hermon A.,
Cole, Geo. E., Crothers, Harold R., Crowell, Sam. G., Fox, Frank H., Harris, Spencer L. D., Ireland, F. Chas., Jack, Milton. McDonald, Jno. A., McDonald, Jno. A.,
Muir, Kenneth C.,
Munn, W. Clement,
Murphy, Herbert H.,
Ogilvie, Guy,
Parker, Dan. T.,
Plant, Verner L.,
Price, Joe,
Pruyn, Wm. G.,
Walker, Jno. J.,

Stanstead Wesleyan Coll., Coaticook, Q. M. Dioc. Theol. College, M. Dioc. Theo. College, Peninsula, Gaspé, Q. Rawdon, Q. Montreal. McGill Coll., Woodstock Coll. Institute, Woodstock, O. Danville Academy, Nicolet Falls, Q. Westmount, Montreal.
Venice, Q.
Yarmouth, N-S. Institute Feller, St. Francis Coll. School, Yarmouth Academy, N-S. Private Tuition, Private Tuition, Montreal. Ottawa, O. Montreal Coll. Institute, Montreal Coll, Institute, Montreal. Chateauguay Basin, Q.
Valleyfield, Q.
Huntingdon, Q.
Quebec. Huntingdon Academy, Huntingdon Academy, Quebec High School Almonte High School, Abingdon School, Antrim, O. Montreal, Lachute Acad., Cambria, Q. McGill Coll., Montreal. Private Tuition, Campbelltown, N. B. Napanee Coll. Institute. Napanee, O.

THIRD YEAR.

Name. Residence. Anderson, Richard S., Kenlis, Assa. Barrington, Fred. H., Waterloo, Q. Boulter, J. Henry., Demorestville, O. Brodie, Hugh H., St. Henry, Montreal. Brown, Albert V., Montreal. Chipman, Warwick F., Montreal.
Copeman, Joseph Hodge, Quebec.
Cotton, Wm. U., Sweetsburg, Q.
Dickson, Norval, Allan's Corners, Q. Harper, Robert J.,
Hickson, Robert N.,
Lindsay, J. Edwin,
Lochead, Arthur W., Adamsville, Q. Montreal. Montreal. Rawdon, Q. North Gower, O. McCormick, Alex. S., Westmount,

Montreal. McDonald, John, McEwen, John R., Montreal. Dewittville, Q.

Name. Residence. McLeod, Angus B., McMurtry, Gordon O., McMurtry, Shirley, O., Springton, P.E.I. Montreal. Montreal. McNaughton Wm. G., McPherson Thomas, Huntingdon Q. Stratford, O. Mitchell, Isaiah Edward, Sherbrooke, Q. Mitchell, Sydney C., Moffatt, Charles F., Molson, Percival, Mount, Hector P., Montreal. Montreal. Montreal. Montreal. Mount, Hector P., Mowatt, Joseph A., Scott, Wm. J., Scrimger, Francis A., Stephens, Laurence, Strong, Norman W. Tees, Fred. J., Montreal. Montreal. Montreal. Montreal. Cambria, Q. Montreal. Viner, Norman, White, D. Roderick, Montreal. Huntingdon, Q. Williams, Hy. S., Knowlton, Q.

FOURTH YEAR.

Name.	Residence.	Name.	Residence.
Ainley, Laurence, Cochrane, Donald, Cohen, Abraham, Cooke, H. Lester, Crack, Isaac E., Crowell, Bowman C., De Witt, Jacob, Dixon, James D., Elder, Robert,	Almonte, O. Montreal. Montreal. Montreal. Kingsbury, Q. Yarmouth, N.S. Montreal. Montreal. Trout River, Q.	Laverie, Jas. H., Mackinnon, Cecil Macmillan, C. J., Millar, W. Kii, Newson, Wm. V., Nutter, J. Applet Radford, E. Alan Reford, Lewis, Ritchie, Charles	Lauzon, Levis, Q. G., Cowansville, Q. Charlottetown, P.E.I. nlock, Pembroke, Ont. Charlottetown, P.E.I. on, Montreal. Montreal. F., Montreal.
Ferguson, Colin C.,	tune Cove, P.E.I.	Rowell, Arthur H Scott, George W., Scott, Harry E., Stewart, Donald, Walker, Horatio, Weinfield, Henry Willis, Samuel J., Woodley, Edward	Montreal. Napanee, O. Dunbar, O. L'Ile d'Orléans, Q. Montreal. Kingston, P.E.I.

Partial Students.

A Student who is not an Undergraduate, or Graduate, is called a Partial Student.

The figure (1), (2), or (3), prefixed to a name, indicates that the Student takes a class in the corresponding year as well as in that where the name is found.

FIRST YEAR.

Name.	Residence.	Name.	Residence.
Browne, Wm. H, Burns, Robt., Chancey, Sydney A., Claris, Chas. C., Cruchon, Chas. F., Cur Duncan, Jas. H., Have Gray, Edwin H, Hamilton, Wm. J., Hogan, Jno., Hunter, Joseph D., Jordan, Geo. A., McDougall, W. M. M.	London, O. rgon, Ain, France. erhill, Mass. U. S. Montreal. Victoria, B. C. Coaticook, Q.	Mitchell, Geo. S., Morgan, Harold M Rondeau, Albert G Shallow, T. J., Ste Sims, Haig A., Touchette, Wm. F. Messoul Woodside, Jas. H.,	Anne de Bellevue, Q.

SECOND YEAR.

Boyd, Alfred L.,	Melcalfe, O.	Mathieson, Peter, Fore	ster's Falls, O
Carruthers, Chris.,	Aylwin, Q.	(1) Mitchell, Geo. S.	
(1) Cruchon, Chas. F.	. , .	Morrow, J. D.,	Toronto, O.
(1) Chancey, Sydney A.		Robertson, Harry D.,	Almonte, O.
Greig, Jno. G.,	Montreal.	(1) Rondeau, Albert G.	
Ireland, A. A.,	Montreal.	Stillman, Harry W., Ca	mpbellford.O.
Joliat, Henri.,	Montreal.	(1) Swinton, J.	•
Laughlin, Wm. A.,	Toronto, O.	(1) Touchette, Wm. F.	
Luttrell, H. P.	Montreal.	Turkington, Edward.,	Marlbank, O.
McKelvey, Irving A.,	Stratford, O.	(1) Woodside, Jas. H.	,
(1) Mackenzie, Jno. D.		(1) Woodside, Jno. W.	
McLeod, N. V.,	Granby, Q.	Wotherspoon, Hugh.,	Montreal.

Ashton, W., Boyd, Alfred Edwards, Jn Greenaway, B Irving, Geo.,

(3) Ashton, W. J. Bailey, T. W., Barker Arthu Clarke, Wm. Coone, A. W., (3) Greenaway, R. Hamilton, W. Lloyd, A. E., (2) Luttrell, H. P.

Keith, Hy. J.,

Nane.

Augus, Jean M.,
Belyea, Marion E.,
Dease. Jean P.,
Dickson, Ada D.,
East, Edith M.,
Fyles, Winifred.
Hadrill, Margaret, I
Lundie, Helen,
McLeod, Euphemia I
Parkin, Maude E.,
Wales, Julia G.,
Wisdom, Katherine F.
Woodley, Florence E.

Baillie, Muriel L., Bickerdike, May C., Clogg, Vivian E., Day, Daisy W.. Dixon, Jennie D. Ellison, Ada A., Greenleese, Mary S., Hitchcock, Caroline L Irving, Elizabeth,

McLachlan, Jessie W., Nolan, Annie W., Noyes, Emily M., Smith Miriam G., Warriner, J. Eva,

THIRD YEAR.

Ash	ton,	W., J			Gorr	ie, 0.
) Bo	vd, A	lfred	L.			
Edv	vards	, Jno	. A.,	Liver	pool,	Eng.
Gre	enav	ray,R.	Brand	lon.,H	amilt	on,0.
Irvi	ng,	Geo.	Vern	n Riv	er Br	idge,
	0,	,				E.I.

(2) McElvey, Irving, A. Sawyer, Thos. E.,
(2) Stillman, Harry W. Sutcliffe, J. Fletcher., Camlochie, O. Swinton, J.,

FOURTH YEAR.

(3) Ashton, W. J.	
Bailey, T. W.,	Pakenham, C
Barker Arthur L.,	London, C
Clarke, Wm. H.,	Halloway C
Coone, A. W.,	Manilla, C
(3) Greenaway R Bran	ndon

0.

(3) Greenaway, R. Brandon.
Hamilton, W. A., Carleton Place, O.
Lloyd, A. E.,
Thamesville, O.
(2) Luttrell, H. P.

(2) Mathieson, Peter. Millyard, J. Edwin, Rowan, W. L.. Exeter, O. Pembroke, 0.

(3) Sawyer, Thos. E.

(3) Swinton, J. Taylor, Alfred M., Montreal.

(2) Turkington, Edward, Vickery, Thos. J., Smith's Falls, O.

Keith, Hy. J.,

Residence.

on, Levis, Q. wansville, Q. etown, P.E.I.

mbroke, Ont. tetown, P.E.I. Montreal.

Montreal.

Montreal.

Montreal.

Montreal.

Montreal.

Napanee, 0.

d'Orléans, Q. Montreal. ston, P.E.I. Montreal.

d a Partial

udent takes found.

Residence.

nverness, Q. r's Falls, O.

ull City, Q. Bellevue, Q.

Montreal.

renchtown.

font, U. S. tre West,Q.

tre West,Q.

Dunbar, O.

Smith's Falls, O.

ROYAL VICTORIA COLLEGE.

Undergraduates.

Nane.
Augus, Jean M.,
Belyea, Marion E.,
Dease. Jean P.,
Dickson, Ada D.,
East, Edith M.,
Fyles, Winifred.
Hadrill, Margaret, F.
Lundie, Helen,
McLeod, Euphemia L.,
Parkin, Maude E.,
Wales, Julia G.,
Wisdom, Katherine F.,
Woodley, Florence E.,

FIRST YEAR. School. Residence. Westmount Acad. Montreal H. S., St John, N. B., Montreal G. H. S., St. John, N. B. Montreal. Pembroke H. S., Montreal Coll. Ins.., Pembroke, Ont. Maisonneuve, Montreal. Quebec G. H. S. Montreal G. H. S. Levis, Q. Montreal. Montreal G. H.S, Montreal Montreal G. H. S., Montreal. Bishop Strachan School, Toronto, O. Robinson, Q. St. John, N. B. Cookshire Acad., St John H. S., Westmount, Montreal Westmount Acad.,

r's Falls, 0

Toronto, O. lmonte, O. bellford,0.

rlbank, O.

Montreal.

McLachlan, Jessie W., Nolan, Annie W., Noyes, Emily M., Smith Miriam G., Warriner, J. Eva,

Day, Daisy W.,
Dixon, Jennie D.
Ellison, Ada A.,
Greenleese, Mary S.,
Hitchcock, Caroline L.,

Baillie, Muriel L., Bickerdike, May C.,

Clogg, Vivian E., Day, Daisy W.,

Irving, Elizabeth,

SECOND YEAR. Westmount, Montreal. Lachine, Q. Westmount Academy, Montreal G. H. S., Westmount Acad. Montreal. Montreal Annex. Montreal G H.S., The Misses Gardiner & McGill Normal S., Montreal.

McGill Normal School, Cowansville, Q. Misses Symmers & Smith's School, Montreal. Brockville Coll. Inst., Brockville, O. Prince of Wales Coll., P.E.I., Vernon River Bridge. Brockville, O.

Guelph Coll. Inst., Guelph, O, Westmount Academy, Montreal Coll. Inst., Westmount, Montreal Cowansville, Q. Morrisburg, O. Morrisburg Coll. Inst., M. G. H. S. & Private Tuition, Montrea 1

THIRD YEAR.

real. Molson, Evelyn, d, Q. Page, Harriet A., real. Radford Isabel,	Residence. Montreal. North Troy, Vt. Montreal.
	real. Molson, Evelyn, d, Q. Page, Harriet A., real. Radford Isabel,

FOURTH YEAR.

Name.	Residence.	Name. Residence.
Dey, Mary Helena,	Simcoe, O.	McGregor, Claire R., Victoria, B.C.
Garlick, Edythe A.,	Montreal.	Marcuse, Bella, Westmount, Montreal.
Holman, Caroline E.	Snmmmerside,	Perley, Frances B. Upper Mauger-
	P.E.I.	ville, Sunbury Co., N.B.
Jackson, E. Gertrude,	Montreal.	Rorke, Helen, St. Thomas, O.
Lundie, Jessie F.,	Montreal.	Smith, Lillian A., Morrisburg, O.

Partial Students.

FIRST YEAR.

Name. Acer, Edythe J., Armstrong, H. Evelyn Bacon, Charlotte E., Bethune, Edith., Brock, Kate S., Burgess, Lina D., Cox, K, Currie, Ruby, Doyle, Rosie A., Drummond, Mary, Fulford, Dorotby M., Fulford, Monthe, H.	Montreal. Montreal. Montreal. Wolfville, N. S. Montreal. Montreal. Montreal. Montreal. Brockville, O.	Kerr- Kaye, G. M., Lindsay, K. Ada, Matthewson, Amy Michalson, Mary, Nairn, Caroline, Pridham, Mabel A., Rodger, Edith M., Shepherd, Lois,	Residence. Montreal. Montreal. Montreal. Montreal. Montreal. Toronto, O. Grenville, Q. Montreal. Montreal. Montreal. Montreal. Montreal. Montreal. Montreal. Montreal.
Fulford, Dorothy M.,	Brockville, O.	Shepherd, Lois,	Montreal. Montreal. Montreal.
Fulford, Martha H.,	Brockville, O.	Stevenson, Armande (
Gardner, Ivy,	Montreal.	Von Rappard, Irene G	
Gass, Helen, B.,	Montreal.	Williams, A. Maude,	Montreal.
Gillean, Evelyn M.,	Montreal.	Young, Gertrude M.,	Montreal.

SECOND YEAR.

(1) Bethune, Edith.		Lewis Stephanie,	Montreal.
Campbell, Roslyn,	Montreal.	Meighen, Margaret S.,	Montreal.
	Montreal.	Pinder, Alice C.,	Montreal.
(1) Fulford, Dorothy M.		(1) Pridham, Mabel A.	
Going, E. Maud,	Moctreal.	Prowse, Florence,	Montreal.
	Montreal.	(1) Rodger, Edith M.	
	Montreal.	Stephen, Frances H. B.,	Montreal.
B,	Montreal.	(1) Stevenson, Armande C.	
Lamb, M. L., St Andrews	s East, Q.	(1) Young, Gertrude M.	

THIRD YEAR.

Browne, Joanna,	Montreal.	Plimsoll, Gladys,	Montreal
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Carter, Mat Evans, Catl Hanson, Flo Hanson, Kai (2) Lacy, Madg

Armstrong, Eth Carr, Muriel B., Craig, Margaret Dover, M. V., Finley, Kathleer

Anderson, Lewis Baker, William I *Barclay, Charles

Barclay, Charles

Barclay, Charles

Barclay, Malcolm
Blatch, Harry E.,
Boright, Sherman
Brown, Frederick
Cameron, John A
Cassils, Charles W
Cohen, Harris,
Cole, G. Percy,
Cooper, Frank W.
Cushing, Gordon (
Denne, Reginald I
Eaton, E. Courtlan
Foreman, Alvah F
Fraser, Thomas C.,
"Fraser, Russell L.,
Gale, George G.,
Gault, Andrew H.
Gillies, George A.,
Graham, William I
Hall, Oliver,
"Hamilton, Wilfred,
"Harris, Alan Dale,
Hayes, Albert O.,
Hayne, Fergus C.,
James, Bartrain, F
Jones, Karold W.
Keith, Fraser S.,
Kendall, George,
Kerr, Allison P. R.
Lambart, Howard F
Landry, Pierre A.,
Langley, Albert G.,
"Lewis, Burwell B.,

Lockefby, Robert A.

Lockerby, Robert A. Macfarlane, Peter A. MacLeod, Russell M.

McCaskill, Kenneth

FOURTH YEAR.

Residence. Montreal. rth Trog, Vt. Montreal.

Residence. ictoria, B.C. nt, Montreal. per Mauger-ury Co., N.B. Thomas, O. orrisburg, O.

> Residence. Montreal. Montreal. enceville, Q. Montreal. Montreal. Montreal. Montreal. Toronto, O. Frenville, Q. Montreal. Montreal. Montreal. Montreal. Montreal. Montreal.

> > Montreal. Montreal. Montreal.

Montreal.

Montreal.

Montreal

Carter, Mabel A., Cowansville, Q. Evans, Catherine L. A., Montreal. Hanson, Florence M.. Montreal. Hanson, Kate, (2) Lacy, Madge E. Montreal.

(2) Lamb, M. L. Mackay, Jeanie, (2) Meighen, Margaret S. Richardson, Mabel H., Montreal. Stephen, Olivia, Montreal.

Montreal.

B. A.

Armstrong, Ethel, Carr, Muriel B., Craig, Margaret, Dover, M. V., Finley, Kathleen,

Montreal. St. John, N. B. Montreal. Peterboro, O. Montreal. Johnson, Helena, McGill, I. Winifred, Reid, Lena McK., Scrimger. Anna M., Tatley, Eleanor.

Montreal. Ottawa, O. Montreal. Montreal. Montreal

FACULTY OF APPLIED SCIENCE.

FIRST YEAR.

Lunenberg, N.S Montreal St Paul, Min., U.S.A. Montreal St John's, Niid Anderson. Lewis B., Baker, William E., *Barclay, Charles H., Barclay, Malcolm D., Blatch, Harry E., Boright, Sherman H., Brown, Frederick B., Boright, Sherman H.,
Brown, Frederick B.,
Cameron, John A.,
Cassils, Charles W.,
Cohen, Harris,
Cooper, Frank W.,
Cushing, Gordon C
Denne, Reginald D. L.,
Eaton, E. Courtland,
Foreman, Alvah E.,
Fraser, Thomas C.,
Gault, Andrew H.
Gillies, George G.,
Gault, Andrew H.
Gillies, George A.,
Graham, William F.,
Hall, Oliver,
"Hamilton, Wilfred,
"Harris, Alan Dale,
Hayrne, Fergus C.,
James, Bertrain, Heart's Content, Nfld
Jones, Farold W.,
Keith, Fraser S.,
Kendall, George,
Kerr, Allison P. R.,
Lambart, Howard F.,
Landry, Pierre A.,
Landry, Pierre A.,
Langley, Albert G.,
"Lewis, Burwell B.,
Lockefby, Robert A.,

Sutton, Q
Montreal
Westmount, Q
Vancouver, B.C
New Glasgow, N.S
Quebec, Q
Montreal
Westmount, Q
Vancouver, B.C
New Glasgow, N.S
Quebec, Q
Montreal
Westmount, Q
Washington, O
Washington, Sutton, Q Montreal Vancouver
Westmount, Q
New Edinburgh, O
Dorchester, N.B
Victoria, B.C
Baltimore, Md.,
U.S.A.,
Moutres, Lockerby, Robert A., Macfarlane, Peter A., MacLeod, Russell M., Montreal Chateauguay, Q Buffalo, N.Y., U.S.A. Barb, O McCaskill, Kenneth A.,

Westville, N. S McDonald, James F., McDonald, James F.,
McKay, Frederick A.,
McKergow, Charles M.,
Meldrum, Robert H.,
*Morgan, Harold M.,
Morse, William H.,
Musgrave, Robert,
Musgrave, William H.,
Oakes, Francis H., Boston, Mass., U.S.A
Peaslie, Alexander S. L., Defiance, Ohio,
U.S.A
*Peck, Warren G., McKay, Frederick A., McKergow, Charles M., Meldrum, Robert H., *Morgan, Harold M., *Peck, Warren G., Montreal Pemberton, William P.D., Gonzales, Victoria, B.C Porter, William J. D. A., Douglastown, N.B. Montreal Roberts, Arthur R., Ross, James C., *Riley, George C. Embro, O Riley, George C.,
Richards, Charles C.,
Robillard, Edmond G. F.,
Rodger, Herbert F.,
Rowlands, Charles,

Montreal
Charlottetown,
P.E.I.
Montreal
St John's Nfid
Albany, N.Y.,
U.S.A. U.S.A Montreal Montreal Windsor, N.S Coraopolis, Pa., U.S.A Poughkeepsie, N.Y., U.S.A Savage, George M., Sims, Harold H., Smith, Ralph E., Stovel Joseph H., Sutcliffe, Paul, Thorpe, William H. Montreal
Tilt, Edwin B., Goderich, O
Trimingham, Charles L., Barbadoes, W.I
*Valières de St Real, Henry B.,
Three Rivers, Q
Warrington, John E., Montreal
Whiteway, F. H. Clare, St John's, Newfoundland Yuile, Herbert,

SECOND YEAR.

Addie, Thomas II.,
Baird, Alexander,
Barwick, William, S.,
Beaudry, Victor,
Beck, Alfred E., Pe
Biggar, Howell,
Blanchet, M. John S.,
Borden, Henry P.,
Boyd, Hugh H.,
Brainerd, Herbert W.,
Brecken, Walter R., Sherbrooke, Q Sherbrooke, Q Barrie, O Montreal Penetanguishene, O Ottawa, O Quebec, Q Kentville, N.S Montreal Montreal Charlottetown, P.E.I Campbell, Charles McK., Winnipeg, Man Cape, Ernest K., Hamilton, O Corless, Charles V., Coulson, John D., Toronto. O Crawford, Stuart, Montreal Campbell, charles Mc Cape, Ernest K., Corless, Charles V., Coulson, John D., Crawford, Stuart, DePencier, Henry P., Dunfield, John C. W. Vancouver. B.C St John's, New-foundland Montrea Montreal Richmond, Va., U S.A, London, O Perth, O Toronto, O Dupuis, Albert, Edgar, John H., Hartz, Rutherford S., Heamon, John A., Hicks, Thomas N., Jackson, Philip T.,

F., San Diego, Cal., U.S.A. St George, N.B. St John's, Nfid Windsor, N.S Huntingdon, Q St John, N.B. Luglewood, O. *Johnston, Christopher F., Lawrence, Hugh R.,
MacKay, Eric,
MacKeen, Rupert T.,
Maclaren, Francis H.,
Mathers, William R.,
McBride, Wilbert C.,
Meyers, Archie J.,
Murphy, William E.,
Newton, Samuel R.,
Pearson, Hartley M.
Peck, Thomas E.
Porcheron, Alphonse. St John, N.B.
Inglewood, O
Listowel, O
Shelburne, N.S
Drummoudville, Q
Huntingdon, Q
Montreal
Montreal Porcheron, Alphonse, Pratt, Stephen S., Ralph, Claude E., Montreal Cranbrook, B.C Cottawa, O Charlott town, r'.E.I. Napanee, O Quebec, Q St Johns, Q Petitoodiac, N.B Morell, P.E.I Montreal Robertson, John F., Scott, Harry E., Sewell, Alexander L., Smith, Gerald M., Smith, J. Macdonald, Sterns, Frank E., *Ward, Roger, Weagant, Roy A., Montreal Derby Line, Vt., U.S.A *Whitley, Herbert A., Montreal

THIRD YEAR.

Archer, Augustus R., New York, U.S.A.
Blanchard, Arthur C. D., Windsor, N.S.
Blue, Allen P..
Burchell, Geo. B., New Campbellton, N.S
Burson, Herbert A.,
Cameron, Hugh D.,
Clement, Sheldon B.,
Clement, Sheldon B.,
Coussirat, Henri A.,
Cowen, Edwin A. A.,
DeBlois, William H.,
Edwards, William H.,
Edwards, William M.,
Forman, Andrew S.,
Fraser, Donald C.,
Fraser, Donald C.,
Gagnon, Edmund E.,
Galbraith, Malcolm T.,
Glassco, Archie P. S.,
Green, Alfred H..
Hampson, E. Greville
Higman, Ormond,
Howard, Rupert F.,
*Humilton, Bermuda

*Hutchings, Somers C., Hamilton, Ber Jamieson, George E. T., Montreal Labatt, John S., London, O Lloyd, Herbert M., New Westminster, B.C. Lioyd, Herbert M., N.
Lowden, Warden K.
McKenzie, Bertram S.,
McLaren, John H.,
Millar, James L.,
Ogilvie, Paul,
Palmer, Ernest E.,
Paterson, Charles S.,
Pyke, Gordon McT.,
Reynolds, Leo B.,
Ritchie, Joseph N.,
Schwitzer, Thomas H.,
Scott, Henry M.,
Taylor, Charles W.,
Tupper, Charles W.,
Tupper, Charles,
Wakeling, Otty S.,
Ward, Percy W.,
White, Gerald V.,
Wilson, Reginald C., Montreal London, O Montreal Pembroke, O Cummings' Bridge, O Toronto, O Montreal Montreal Waterford, O Halifax, N.S. Ottawa, O Montreal Montreal Richwood, O Vancouver, B.C. St. John, N.B. Lachine, Q Pembroke, O Cumberland, O

FOURTH YEAR.

Tacoma, Wash., U.S.A., Maitland, N.S. Allan, Leigh, Allen, Samuel J. Allen, Samuel J.,
Andrews, Edward,
Arkley, Lorne M.,
Bachand, George A.,
Barber, Rene R.,
Buchanan, Fitzherbert P.,
Burgoyne, Stanley J.,
Byers, Archibald F.,
*Gary, George M.,
Cornwall, Clement A. K.,
Corriveau, Raoul de B.,
Cowans, Frederick,
*Donaldson, Hugh W., Grimsby, O East Angus, Q Montreal Georgetown, O Montreal Halifax, N.S. Gananoque, O Goderich, O Ashcroft, B.C. Iberville, Q Montreal Hamilton, O Duncan, G. Rupert,
Ewart, George R., Kilauea,
Waiian Islands
Fraser, John W. Charlottetown, P.E.I.
Gillean, M. Hampson,
Glassco, Jack G.,
Hamilton, George M.,
*Howard, Lawrence O.,
Leman, Beaudry,
Maclaren, George McC.,
Macmaster, Arthur W.,
*MeMillan, George P.,
Miller, Angus G.,
Montreal
Petrolia, O
Bridgeburg, O
Morrisburg, O

Moore, Ern Nelson, Ged Neville, Th Nicholls, H Osborne, J. *Parizeau, H Percy. How Pergau, Ha Pergau, Ha

Archibald, En Denis, Leopol Fraser, James Grier, Arthur Hyde, James

Connolly, Francisco, B., Gaskill, James

Gault, Miss L., Houliston, Joh Northwood, Go Sands, Henry I

FACUL

Blair, W. Reid, Clark, Arthur S. ouglas, A. R.,

Amyrauld, O., Kennedy, Geo. A Manchester, Wal

Allen, Frank T., Humphreys, B. F.

Raymon, Florence

Gibson, George, Miller, William,

Fraser, Ella M.,

Fyles, Faith,

wa, O town, E.I. ee, O ec, Q ns, Q N.B P.E.I

Moore, Ernest V.	
Nelson, George J.,	
Neville, Thomas P. J.,	
Nicholls, Henry G.,	
Osborne, J. Ewart, *Parizeau, Henri D.,	1
Percy, Howard M.,	
Pergau, Harry,	

Peterboro, O Halifax, N.S. Halifax, N.S. Toronto, O Toronto, O Boucherville, Q Montreal Lyn, O

Robertson, Philip W. K., Shepherd, Harry L., Sise, Paul F., Smith, George R., *Staveley, Edward B.. Stevens, Angus P.. St. George, Harry L., Walker, Frank W.,

Mexico City Mexico City
Mexico
Brockville, O
Montreal
Stratford, O
Quebec. Q
Dunham. Q Montreal Montreal

POST GRADUATES.

Archibald, Ernest M., B.Sc., Halifax, N.S. Denis, Leopold, B.Sc., Montreal Fraser, James W., B.Sc., Bridgeville, N.S. Grier, Arthur G., B.Sc., Montreal Hyde, James C., B.Sc., Montreal

Maclennan, Frank W., B.A.Sc., Cornwall, Ont. Morgan, Charles B., B.Sc., Hamilton, Ont. Young, George A., B.A.Sc., Kingston, Ont.

Partial Students.

Connolly, Frank, Dawson, B., Gaskill, James Phillips, Montreal Montreal Woonsocket, R.I., U.S.A. Montreal Gault, Miss L.,
Houliston, John,
Northwood, George W.,
Sands, Henry H.,

K.I., U.S.A.
Montreal
Ottawa, O.
Montreal

Scott, George W., Smith, Richard W., Stewart, Andrew, Montrea Montrea Cahir, Ireland Craigmuir, Lenzie, Scotland Montreal Hamilton, Ont Chester, Eng Vancouver, B.C Stuart, Charles J., Thomson, James A., Viggars, Charles, Wilson, Charles E. A.,

FACULTY OF COMPARATIVE MEDICINE AND VETERINARY SCIENCE.

FIRST YEAR.

Blair, W. Reid, Clark, Arthur S., Jouglas, A. R., Joyle, L.,

Chicohee, Mass. Hubbardston, Mass. Montreal Montreal

Hanington, Arthur D., Howden, Seymour, Spear, Wm. H.,

Guysboro, N.S. Duncans, B.C. Burlington, Vt.

SECOND YEAR.

Amyrauld, O., Kennedy, Geo. A., Manchester, Walter,

Sweetsburg, Q. Hemmingford, Q. Sussex, King's Co., N.B.

Rork, John T.. Tamblyn, David,

Roxbury, Mass. Berks, Eng.

THIRD YEAR.

Allen, Frank T., Humphreys, B. F.,

Springfield, Mass. | Smith, Wm. C., Winnipeg, Man Boston, Mass. | Stanbridge, Geo. W., Hubbardston, Mass

COLLEGES AFFILIATED IN ARIS.

MORRIN COLLEGE, QUEBEC.

Undergraduates.

Raymon, Florence M. C.,

| Snaith, William,

Gibson, George, Miller, William,

SECOND YEAR. Munn, Emma,

Fraser, Ella M.,

THIRD YEAR. | Smith, Esther M.

Fyles, Faith,

FOURTH YEAR.

STANSTEAD WESLEYAN COLLEGE.

Undergraduates.

FIRST YEAR.

Bridgette, Samuel J., Cole, Kate E., Lockhart, Arthur R. B.,

Partial Students.

Graham, R. W.

VANCOUVER COLLEGE.

Undergraduates.

FIRST YEAR.

Burpee, Ethel Louise, Campbell, Jessie Lucinda, Ford, Harry Smyth, McConaghy, James Archibald, Paul, Margaret Anderson, Philip, Alice May.

Partial Student.

DeWolf, Elsie St Etienne.

SUMMARY.

Students in Law, McGill College	63 456
" Arts :— "	
Men Graduates	287
Women { Graduates	
Students in Arts, Morrin College	8
" Vancouver College	
" Stanstead College	4
" " Applied Science, McGill College :-	
Undergraduates,	232
" Veterinary Science	16
McGill Normal School, Teachers-in-training	1073
Deduct, repeated in different lists	1218
Total	1200

GRA

Vice-Pres Reid, B.A

Resident (
M.A., Ph.]
D.V.S.; N.
Non-Resid
Graduates'
York Graduthe Hon. V

Advisory (Hersey, A. I Hon. Sec.-1 University. Presi

1st Vice-P 2nd Vice 3rd Vice-P

Editorial Boo

Aniversity Societies.

GRADUATES' SOCIETY OF McGILL UNIVERSITY.

INCORPORATED 24TH JULY 1880. President—Charles Wilson, M.D.

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Secretary—J. Claud Hickson, B.A., B.C.L. Treasurer—Francis Topp, B.A., B.C.L.

Resident Councillors—A. Rives Hall, B.A., B.C.L.; Frank D. Adams, M.A., Ph.D.; Homei M. Jaquays M.A.Sc.; Malcolm C. Baker, D.V.S.; N. Norton Evans, M.A.Sc.; E. Fabre Surveyer, B.A., B.C.L. Non-Resident Councillors—The Presidents of the British Columbia Graduates' Society, the New England Graduates' Society, the New York Graduates' Society, the Nova Scotia Graduates' Society, and the Hon. W. W. Lynch, D.C.L., Knowlton, Que.

McGILL APPLIED SCIENCE SOCIETY.

Hon. President-Dr. H. T. Bovey.

287

232 16

1073

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1218

1200

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Hon. Sec.-Treasurer-J. G. G. Kerry, Engineering Building, McGill University.

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1st Vice-Presiden.—B. S. McKenzie, Mining Engineering, 'o1.

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Secretary—C. V. Corless, 'o.z.

Treasurer—A. E. Beck, '02.
2nd Year Representative—E. J. Mackay, '02.

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Treasurer—Susan E. Cameron, M.A.

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Cor. Secretary—Frances R. Angus, B.A.

Assist. Cor. Secretary—Louise Smith, B.A.

OTTAWA VALLEY GRADUATES' SOCIETY OF McGILL UNIVERSITY.

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Secretary—D. B. Dowling, B.A.Sc. (Geological Survey, Ottawa).

Treasurer—G. S. McCarthy, M.D., C.M.

Courcil—G. C. Wright, B.A., B.C.L.; H. M. Ami, M.A., D.Sc.; S. P. Cooke, M.D., C.M.; J. H. Larmonth, B.A.Sc.; E. L. Quirk, M.D., C.M.

Deputy Examiners-D. B. Dowling, B.A.Sc., and M. F. Connor, B.A.Sc.

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LL.B.; Harcourt Bull, B.A.; J. B. Harvie, M.D., C.M. (Troy).

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F.R.S. (Baltimore, Md.); Rev. J. C. Bracq, Vassar College, N.Y.;

Right Rev. J. D. Morrison, M.A., D.D., Bishop of Duluth; R. T.

Irvine, M.D., C.M.

Me

Is

Secretary Committe P. E. Ritcl

THE B

Vice-Press
M.D. (Gre
johnson, B
Secreta
Treasu
Executive
McGregor,
(Vancouver)
sen, B.A.Sc

THE N

Presi Vice-, Secretary-Ti St. John, N.: Executive (

NOVA SC

Hon. F
P
Ist Vi
2nd V
Secretary-Tre
for the Insane,
Executive Con
E. A. Kirkpatri

McGILL GRADUATES' SOCIETY OF TORONTO.

ORGANIZED 1896.

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1st Vice-President—Rev. Canon Sweeny, M.A., D.D.

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Secretary-Treasurer—R. B. Henderson, B.A., 48 King Street, West Committee—Hamilton Cassels, B.A.; Willis Chipman, B.A.Sc.; P. E. Ritchie, B.A.

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ILL

P.C.,

L.Sc.;

a).

.Sc.; uirk,

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rk).

L.,

oy).

Y.;

T.

President—R. E. McKechnie, M.D. (Nanaimo).

Vice-Presidents—W. F. Ferrier, B.A.Sc. (Rossland); R. W. Jakes,
M.D. (Greenwood); W. F. Robertson, B.A.Sc. (Victoria); W. S.
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Secretary—W. J. McGuigan, M.D., LL.B. (Vancouver).

Treasurer—Simon J. Tunstall, B.A., M.D. (Vancouver).

Executive Committee—R. E. Palmer, B.A.Sc. (Rossland); J. M.

McGregor, B.A., B.A.Sc. (Slocan City); J. M. Lefevre, M.D.

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ORGANIZED 1896.

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Secretary-Treasurer-J. H. Scammel, M.D. (76 Waterloo street, St. John, N.B.).

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President—John McMillan, M.D. (Pictou).

1st Vice-President—F. S. Yorston, M.D. (Truro).

2nd Vice-President-James Ross, M.D. (Halifax).

Secretary-Treasurer-W. H. Hattie, M.D. (Nova Scotia Hospital for the Insane, Halifax).

Executive Committee—A. I. Mader, M.D.; Wm. Jakeman, D.V.S.; E. A. Kirkpatrick, M.D.; J. W. Clarke, M.D.

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ORGANIZED 1898.

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President—C. A. Nutting, Q.C. (Waterloo).

Vice-Presidents—D. K. Cowley, M.D. (Granby); A. D. Stevens,

M.D. (Dunham); N. M. Harris, M.D.

Secretary-Treasurer—S. H. Martin, M.D. (Waterloo).

NEW ENGLAND SOCIETY OF McGILL GRADUATES

ORGANIZED 1899.

President—Arthur E. Childs, B.Sc., (Boston, Mass.).

1st Vice-President—George A. Fagan, M.D., (North Adams, Mass.).

2nd Vice-President—Ambrose Choquet, B.C.L. (Providence, R.I.).

3rd Vice-President—Rev. Robert W. Wallace, B.A. (Somerville, Mass.).

Secretary-Treasurer—Joseph Williams, M.D. (Boston, Mass.; 229 Berkeley Screet).

Councillors—H. Hoiton Wood, B.A. (Boston, Mass.); John M. Parker, D.V.S. (Haverhill, Mass.); Robert MacDougall, B.A. (Boston, Mass.); T. G. McGannon, M.D. (Lowell, Mass.); A. S. Cleaves, D.V.S. (West Gardiner, Mass.); Miles Martin, M.D. (Boston, Mass.).

UNDERGRADUATES' LITERARY SOCIETY.

CONSTITUTED, 1880.

Hon. President—Principal Peterson.

President—W. G. McNaughton, Arts, 'oi.

Vice-President—E. W. Westover, Law, 'oi.

Secretary—C. A. Adams, Arts, 'o2.

Treasurer—M. Jack, Arts, 'o2.

Committee—W. S. Johnson, '03; A. W. Lochead, 'oi; C. W. Munn, 'o2; R. J. Harper, 'o1; E. Harper, 'o3.

DELTA SIGMA SOCIETY.

ESTABLISHED 1884.

President—Evelyn Molson.
Vice-President—Elizabeth Irving.
Secretary-Treasurer—Katharine Wisdom.

Committee-Bella Marcuse, Winifred Bennett, M. Gould Smith, Maud Parkin.

Executive ley, Arts,

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OBJECT.—
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McGILL HISTORICAL CLUB.

President—H. S. Williams, Arts, 'or.

Vice-President—A. W. Locheid, Arts, 'or.

Secretary—S. Mitchell, Arts, 'or.

Treasurer—C. C. Adams, Arts, 'or.

Executive Committee—Prof. C. W. Colby, M.A., Ph.D.; E. C. Wood
ley, Arts, 'oo; E. G. Place, B.A., Law, 'or.

THE McGILL MINING SOCIETY.

ORGANIZED 1891.

Hon. President—Dr. J. B. Harrington.

President—A. R. Archer, App. Sci., '01.

Vice-President—E. E. Palmer, App. Sci., '01.

Secretary-Treasurer—W. G. McBride, App. Sci., '02.

LYOUNG MEN'S CHRISTIAN ASSOCIATION OF NeGILL UNIVERSITY.

OBJECT.—To promote the piety of its members and the cause of Christianity in the University.

MEMBERSHIP.—The active Membership of the Association consists of Graduates and Students of the University who are members of some Evangelical church. Any Graduate and Student of good moral character may become an associate member. A social reception is given to new students at the beginning of the session.

Full particulars regarding regular religious services and Bible Study Classes are given in the Hand Book of the Association.

President—C. S. Paterson, Sc., 'oi.

1st Vice-President—W. G. Macnaughton, Arts, 'oi.

2nd Vice-President—A. L. Kendall, Med., 'oi.

Recording Secretary—H. Carson, Arts, 'o2.

Treasurer—W. H. DeBlois, Sc., 'oi.

Asst.-Treasurer—A. W. Park, Med., 'o3.

Representative from Law—Chas. Cotton, B.A., Law, 'o2.

General Secretary—George Irving, 'Arts, 'o2.

CHAIRMEN OF COMMITTEES.

Religious Meetings—A. L. Kendall, Med., 'OI.

Bible Study—W. G. Brown, B.A.

Social—R. C. Paterson, B.A.

Membership—W. G. Macnaughton, Arts, 'OI.

New Students and Handbook—General Secretary.

Bulletin and Reading Room—P. Cole, Sc., 'O3.

Missionary—E. C. Woodley, Arts, 'OO.

Musical—H. M. Lloyd, Sc., 'OI.

Building—C. S. Paterson.

Graduates—W. F. Hamilton, M.D.

YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

ESTABLISHED 1887 (AS THEO DORA SOCIETY).

OBJECT.—The development of Christian character in the members, and the development of active Christian work, particularly among the young women of the University. Open for membership to students of the Royal Victoria College for Women.

President—Winifred Bennet. Vice-President—Elizabeth Irving. Cor.-Secretary—Harriet Page. Rec.-Secretary—Margaret Hadrill. Treasurer—Florence Woodley.

CONVENERS OF COMMTITEES.

Devotional—Harriet Page.
Theo Dora—Jessie M. Lachlan.
Membership—Evelyn Molson.
Relief—Mary Flint.

McGILL UNIVERSITY ATHLETIC ASSOCIATION.

ESTABLISHED 1884.

Hon. President—Principal Peterson.
Hon. Treasurer—Wm. Osler, M.D.
President—J. H. Boulter, Arts, '01; Med., '03.
Vice-President—F. J. Tees, Arts, '01.
Treasurer—P. W. K. Robertson, App. Sc., '00.
Secretary—L. H. Redon, Med. '01.

McGILL UNIVERSITY FOOTBALL CLUB.

Hon. President—Mr. C. J. Fleet.

Hon. Treasurer—Prof. C. H. McLeod.

President—A. C. P. Howard, B.A., Med., 'oi.

Vice-President—G. R. Johnson, B.A., Med., 'o2.

Hon. Secretary.—F. S. Patch, B.A., Med., 'o3.

Treasurer—J. A. Mowatt, Arts, 'oi.

Manager—E. G. Mason, Med. 'o2.

Committee—Arts—P. Molson, '01; E. W. MacDougall, '03. Law—J. J. Meagher, '01; W. Leslie, '01. Medicine—W. L. Carter, '02; R. N. W. Shillington, '03. Science—E. G. Hampson, '01, G. M. Savage, '03.

Hon

Secret

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Committee— Medicine—J.

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Committee—1 Ames; Arts—j Barclay.

Se Committee—L George, '00; H Medicine—E. R

McGLL UNIVERSITY CRICKET CLUB.

Hon. President—Lord Strathcona and Mount Royal.

President—Prof. C. E. Moyse.

Vice-President—A. R. Oughtred, B.C.L.

Secretary-Treasurer—Herbert M. Little, B.A., Med., 'oi.

Assist. Secretary—Hugh W. Wonham.

Captain—H. Cyril Hill.

Committee—A. B. Wood, B.A.; E. H. McLea, B.Sc.; W. W. Walker; E. E. Macdonald, Med., 'oi; P. Molson, Arts, 'oi.

McGILL UNISERSITY LAWN TENNIS CLUB.

President—J. Arthur Fairie, Med., 'oi.

Vice-President—L. Macfarlane, Law, 'oo.

Secretary—J. K. Kennedy, B.C.L.

Treasurer—E. A. Grafton, M.D.

Committee—Arts—R. N. Hickson, 'oi; Law—J. J. Meagher,, 'oi;

Medicine—J. L. Todd, 'oo; App. Science—J. E. K. Osborne, 'oo.

McGILL UNIVERSITY SKATING CLUB.

President—R. N. Hickson, Arts, 'oi.

Vice-President—A. H. Maclaren, Med., 'o2.

Secretary—A. P. S. Glassco, Sc., 'oi.

Treasurer—W. H. Duff, Law, 'oi.

Committee—Law—S. G. Archibald; Medicine—C. K. Russell, A. C. Ames; Arts—J. H. Copeman, H. Brown; Science—G. P. Cole, M. Barclay.

McGILL HOCKEY CLUB.

Hon. President—Prof. S. H. Capper.

President—C. Cartwright, '00.

Vice-President—W. Ness, '02.

Secretary-Treasurer—C. G. Mackinnon, '00.

Committee—Law—H. Trihey, '00; H. Springle, '01. Science—H. St. George, '00; H. Yuile, '03. Arts—P. Molson, '01; C. Moffat, '01.

Medicine—E. R. Belanger, '02; A. Mussen, '00.

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BENEFACTORS OF

McGill Aniversity, Moatreal

I. GENERAL ENDOWMENTS AND SUBSCRIPTIONS.

I. ORIGINAL ENDOWMENT, 1811.

THE HONORABLE JAMES McGILL, who was born at Glasgow, 6th Oct., 1744, and died at Montreal, 19th Dec., 1813, by his last will and testament, under date 8th January, 1811, devised the estate of Burnside, situated near the city of Montreal, and containing forty-seven acres of land, with the Manor House and Buildings thereon erected, and also bequeathed the sum of ten thousand pounds in money unto the "Royal Institution for the Advancement of Learning," a Corporation constituted in virtue of an Act of Parliament passed in the Forty-first Year of the Reign of His Majesty, King George the Thiru, to erect and establish a University or College, for the purpose of Education and the advancement of learning, in the Province of Lower Canada, with a competent number of professors and teachers to render such Establishment effectual and beneficial for the purposes intended; requiring that one of the colleges to be comprised in the said University should be named and perpetually be known and distinguished by the appellation of "McGill College."

The value of the above mentioned property was estimated at the date of the beginning of the content of the date of the beginning of the content of the content of the date of the date.

2. UNIVERSITY BUILDINGS, ETC.

quest at.... \$120,000

THE WILLIAM MOLSON HALL, being the west wing of McGill College buildings, with the connecting Corridors and Class Rooms, was erected in 1861, through

the munificent donation of the founder, whose name it bears.

The Peter Redpath Muskum, the gift of the donor, whose name it bears, was announced by him as a donation to the University in 1880, and formally opened August, 1882.

Lots for University buildings adjoining the College grounds confronting on Mc-Tavish St., presented by J. H. R. Molson, Esq., \$42,500.

The University Library Building, the gift of Peter Redpath, Esq., announced

by him as a gift to the University in 1891, and formally opened October 31st, 1893.

UNIVERSITY OFFICES, Rooms in East Wing remodelled and furnished for offices of Principal and Secretary and for a Board Room, by Sir Wm. C. Macdonald, in 1895.

3. ENDOWED CHAIRS, ETC.

THE JOHN FROTHINGHAM PRINCIPAL FUND, to be invested for the endowment of the Principalship of the University; founded in 1889 by the Rev. Frederick Frothingham and Mrs. J. H. R. Molson, -\$40,000.

THE MACDONALD AUXILIARY FUND, founded in 1897 by Sir Wm. C. Macdonald, the interest to be used solely to maintain the income of certain of his endowments on a five per cent. per annum basis, -\$328,750.

4. ENDOWMENTS AND DONATIONS OF MEDALS AND PRIZES.

1883, a Gold a Silver and a Bronze Medal were given by R. J. Wicksteed, Esq., M.A., LL.D., for competition in "Physical Culture," by Students in the Graduating Class and second year of any Faculty, who have attended the University Gymnasium. The Gold Medal was continued to 1889 and the Silver and Bronze have been continued to date.

Ottawa Valley Graduates' Society's Exhibition. For competition by candidates from the Ottawa Valley at the June matriculation examinations of any Faculty. Value, \$50.00. Given annually since 1895.

A Prize giver to be div nually si

John Frothing John Torrance James B. Gree Wm. Busby L Sir George Sir Henry Thomas John Redpath, James McDoug James Torranc Hon. James Fe Harrison Steph Henry Chapma Hon. Peter Mc John James Da Thomas Brown Peter Redpath, Thomas M. Tay Joseph Mackay Donald Lorn Me Hon. Sir John 1 Charles Alexand

Forward ..

John Frothingha William Molson, Sir William C. Thomas Workman J. H. R. Molson, John McLennan, B. Gibb, Esq..... Messrs. A. & W.

Forward

Hugh McLennan. Hon. G. A. Drum George Hague, Es M. H. Gault, Esq. Andrew Robertson Robertson Campbe Sir Jos. and Lady Mrs. Andrew Dow Alexander Murray, Miss Orkney..... Hector McKenzie,

Forward

Edward

A Prize given by the British Columbia Society of Graduates of McGill University to be divided amongst the five Faculties. Annual value \$50.00. Given annually since 1896.

5. SUBSCRIPTIONS TO GENERAL ENDOWMENT.

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	Forward\$19,200
John Frothingham, Esq\$2000 John Torrance, Esq2000	Moses E. David, Esq 600
James B. Greenshields, Esq 1200	Wm. Carter, Esq 600
	Thomas Patton, Esq 600
Wm. Busby Lambe, Esq	Wm. Workman, Esq 600
Henry Thomas, Esq 1000	Hon. Luther H. Holton 600
John Redpath, Esq 1000	Henry Lyman, Esq 600
James McDougall, Esq 1000	David Torrance, Esq 600
James Torrance, Esq 1000	Edwin Atwater, Esq 600
Hon. James Ferrier 1000	Theodore Hart, Esq 600
Harrison Stephens, Esq 800	Wm. Forsyth Grant, Esq 600
Henry Chapman, Esq 600	Robert Campbell, Esq 600
Hon. Peter McGill 600	Alfred Savage, Esq 600
John James Day, Esq 600	James Ferrier, jun., Esq 600
Thomas Brown Anderson, Esq 600	Wm. Stephen, Esq 600
Peter Redpath, Esq 600	N. S. Whitney, Esq 600
Thomas M. Taylor, Esq 600	William Dow, Esq 600
Joseph Mackay, Esq 600	William Watson, Esq 600
Donald Lorn McDougall, Esq 600	Edward and Alicia Major 600
Hon. Sir John Rose 600	Hon. Sir A. T. Galt 360
Charles Alexander, Esq 600	John R. Esdaile, Esq 200
Charles Alexander, Esq 000	John It. Estatic, Esq
Forward \$19,200	Total\$30,560
10	71.
John Frothingham, Esq \$5150	Forward\$24,350
William Molson, Esq 5000	T. W. Ritchie, Esq 300
Sir William C. Macdonald 5000	Messrs. Sinclair, Jack & Co 250
Thomas Workman, Esq 5000	John Reddy, M.D 100
J. H. R. Molson, Esq 2000	Wm. Lunn, Esq 100
John McLennan, Esq 1000	
B. Gibb, Esq 600	
Messrs. A. & W. Robertson 600	
Forward\$24,350	Total\$25,210
18	81-82.
Hugh McLennan. Esq \$5000	
Hon. G. A. Drummond 4000	
George Hague, Esq 3000	J.B. Greenshields, Esq. (London) '000
M. H. Gault, Esq 2000	Warden King, Esq 1000
Andrew Robertson, Esq 1000	W. P. Cumming, Esq 1000
Robertson Campbell, Esq 1000	
Mrs. Andrew Dow 1000	
Alexander Murray, Esq 1000	James Burnett, Esq 500 Charles Gibb, Esq 500
Miss Orkney 1000	I S McLachlan For
Hector McKenzie, Esq 1000	
Forward\$21.000	Total\$27,700
18	383-84
Edward Mackay, Esq	\$5,000
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6. ENDOWMENT FUND FOR GENERAL PURPOSES.

1897.

Bequest of the late John H. R. Molson, Esq., \$100,000.

7. SUBSCRIPTION FOR IMPROVEMENTS TO COLLEGE, 1856.

Hon. Charles Dewey Day\$200.

8. SUBSCRIPTION FOR CURRENT EXPENSES, 1881-82.

Principal Dawson		per annum,			
Lord Mountstephen	1000	. "	ű.	"	
Lord Strathcona and Mount Royal	1000	"	66	"	 500
David Morrice, Esq	200	"	"	"	 100
Messrs. Gault Brothers & Co	200	**	"	46	 100
Messrs. S. H. & A. S. Ewing	200	"	"	66	 100
Hon. Robert MacKay	300	"	2	"	 60
Jonathan Hodgson, Esq	100	44	5	"	 50
Geo. M. Kinghorn, Esq	100	**	"	"	 50
David J. Greenshields, Esq					 30
	100	"	2	"	 20
John Rankin, Esq					 20
John Duncan, Esq.,					 20
George Brush, Esq., \$25 for five years,	being.				 12
Robert Benny, Esq					 10
Miss E. A. Ramsay					10
Hugh Paton, Esq., \$50 for two years, be	eing				 10
J. M. Douglas, Esq					
James Court, Esq					i

Total......\$22,025

1887-88.

John H. R. Molson, Esq	\$1000	per	annum,	3	years.	being	 3000
Sir Wm. C. Macdonald	1000	•	"		ŭ,	"	 3000
Peter Redpath, Esq	1000		"		"	"	 3000
Lord Strathcona and Mount Royal	1000	. ,	"		"	"	 3000
Hon. James Ferrier	500		**		46	66	 1500
Sir Joseph Hickson	500		"		"	"	 1500
Hugh McLennan, Esq	250		"		"	"	 750
E. B. Greenshields, Esq	250		"		"	4.	 750
George Hague, Esq	250		"		"	66	 750
John Molson, Esq	250		"		40	"	 750
Samuel Finley, Esq	250		"		**	"	 750
Mrs. Mackay, \$100 annually, 1889 to	1893	••••••		•••			 500

Total.....\$19,250

9. SUBSCRIPTION BY MEMBERS OF BOARD OF GOVERNORS, IN 1898-99,—\$191,000.

10. SUBSC

Peter Redp William Me Harrison S Robert J. H John H. R. Sir Wm. E John Molso Thos. Work

11. SUBSC

William Mo John H. R. 1 William W Joseph Tiffi Thos. J. Cla James Linto William Mc Charles J. I Hon. George Thomas Rin William Dou

- 1. The Pepath,
- 2. The Ro presen
- 3. The Ch
- 4. Frederic Librar
- 5. The Hon Librar
- 6. The "T. and M Volum
- 7. The Ril Macdor
- 8. The "M Esq., 20
- 9. The "Jo in all.

10. SUBSCRIPTIONS FOR A BUILDING FOR THE CARPENTER COLLEC-TION OF SHELLS.

1868.

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Peter Redpath, Esq\$	500	Forward \$	1,600
William Molson, Esq.	500	Geo. H. Frothingham, Esq	100
Harrison Stephens, Esq	100	Wm Dow, Esq	100
Robert J. Reekie, Esq	100	Thomas Rimmer, Esq	100
John H. R. Molson, Esq	100	Andrew Robertson, Esq	100
Sir Wm. E. Logan, F.R.S	100	Mrs. Redpath	100
John Molson, Esq	100	Panajah Gibb Fag	50
Thos. Workman, Esq., M.P	-	Benaiah Gibb, Esq	50
Thos. Workman, Esq., M.F	100	Hon. John Rose	50
Forward \$	1,600	. Total\$	2,200
11. SUBSCRIPTIONS FOR THE	EREC	CTION OF THE LODGE AND GA	TES.
William Molson, Fsq\$	100		
William Molson, Fsq\$		Forward \$	1,100
William Molson, Esq\$ John H. R. Molson, Esq	100	Forward\$ John Frothingham, Esq	1,100 100
William Molson, Esq\$ John H. R. Molson, Esq William Workman, Esq	100 100 100	Forward\$ John Frothingham, Esq James A. Mathewson, Esq	1,100 100 100
William Molson, Esq\$ John H. R. Molson, Esq William Workman, Esq Joseph Tiffin, jun., Esq	100 100 100 100	Forward\$ John Frothingham, Esq James A. Mathewson, Esq Peter Redpath, Esq	1,100 100 100 100
William Molson, Esq\$ John H. R. Molson, Esq William Workman, Esq Joseph Tiffin, jun., Esq Thos. J. Claxton, Esq	100 100 100 100 100	Forward\$ John Frothingham, Esq James A. Mathewson, Esq Peter Redpath, Esq G. H. Frothingham, Esq	1,100 100 100 100 100
William Molson, Esq\$ John H. R. Molson, Esq William Workman, Esq Joseph Tiffin, jun., Esq Thos. J. Claxton, Esq James Linton, Esq	100 100 100 100 100 100	Forward\$ John Frothingham, Esq James A. Mathewson, Esq Peter Redpath, Esq G. H. Frothingham, Esq G. D. Ferrier, Esq	1,100 100 100 100 100 100
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William Molson, Esq\$ John H. R. Molson, Esq William Workman, Esq Joseph Tiffin, jun., Esq Thos. J. Claxton, Esq James Linton, Esq William McDougall, Esq Charles J. Brydges, Esq	100 100 100 100 100 100 100	Forward\$ John Frothingham, Esq James A. Mathewson, Esq Peter Redpath, Esq G. H. Frothingham, Esq G. D. Ferrier, Esq John Smith, Esq Charles Alexander, Esq	1,100 100 100 100 100 100 100
William Molson, Esq\$ John H. R. Molson, Esq William Workman, Esq Joseph Tiffin, jun., Esq Thos. J. Claxton, Esq James Linton, Esq William McDougall, Esq Charles J. Brydges, Esq Hon. George A. Drummond	100 100 100 100 100 100 100 100	Forward\$ John Frothingham, Esq James A. Mathewson, Esq Peter Redpath, Esq G. H. Frothingham, Esq G. D. Ferrier, Esq John Smith, Esq Charles Alexander, Esq J. Evans, Esq	1,100 100 100 100 100 100 100 100
William Molson, Esq\$ John H. R. Molson, Esq William Workman, Esq Joseph Tiffin, jun., Esq Thos. J. Claxton, Esq James Linton, Esq William McDougall, Esq William McDougall, Esq Hon. George A. Drummond Thomas Rimmer, Esq	100 100 100 100 100 100 100 100 100	Forward\$ John Frothingham, Esq James A. Mathewson, Esq Peter Redpath, Esq G. H. Frothingham, Esq G. D. Ferrier, Esq John Smith, Esq Charles Alexander, Esq	1,100 100 100 100 100 100 100
William Molson, Esq\$ John H. R. Molson, Esq William Workman, Esq Joseph Tiffin, jun., Esq Thos. J. Claxton, Esq James Linton, Esq William McDougall, Esq Charles J. Brydges, Esq Hon. George A. Drummond	100 100 100 100 100 100 100 100	Forward\$ John Frothingham, Esq James A. Mathewson, Esq Peter Redpath, Esq G. H. Frothingham, Esq G. D. Ferrier, Esq John Smith, Esq Charles Alexander, Esq J. Evans, Esq Henry Lyman, Esq	1,100 100 100 100 100 100 100 100 50
William Molson, Esq\$ John H. R. Molson, Esq William Workman, Esq Joseph Tiffin, jun., Esq Thos. J. Claxton, Esq James Linton, Esq William McDougall, Esq William McDougall, Esq Hon. George A. Drummond Thomas Rimmer, Esq	100 100 100 100 100 100 100 100 100	Forward\$ John Frothingham, Esq James A. Mathewson, Esq Peter Redpath, Esq G. H. Frothingham, Esq G. D. Ferrier, Esq John Smith, Esq Charles Alexander, Esq J. Evans, Esq	1,100 100 100 100 100 100 100 100 50

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12. LIBRARY AND MUSEUM.

Special Collections of Books presented to the Library.

- 1. The Peter Redpath Collection of Historical Books, presented by Peter Redpath, Esq., of Montreal, 3,500 Volumes, with subsequent additions.
- 2. The Robson Collection of works in Archæology and General Literatures presented by Dr. John Robson, of Warrington, England, 3,436 Volumes.
- 3. The Charles Alexander Collection of Classical Works, presented by C Alexander, Esq., of Montreal, 221 Volumes.
- 4. Frederick Griffin, Esq., Q. C., Collection of Books, being the whole of his Library, bequeathed by his will, 2,695 Volumes.
- 5. The Hon Mr. Justice Mackay, Collection of Books, being the whole of his Library, 2,007 Volumes.
- The "T. D. King Shakespeare Collection," presented by the Lord Strathcona and Mount Royal and Sir W. C. Macdonald, of Montreal, being 214 Volumes.
- 7. The Ribbeck Library of Classical Literature, presented by Sir W. C. Macdonald, about 4,000 works.
- 8. The "Mendelssohn Choir Memorial Collection," presented by Joseph Gould, Esq., 200 volumes.
- 9. The "John Horne" Collection of Canadian Portraits and Autographs, 177 in all.

A

Endowments	for Library.
Wm. Molson, Esq., for Endow- ment of a Library Fund (1871)\$ 4,000 Hon. F. W. Torrance for Endow- ment of Mental, Moral and Poli- tical Philosophy Book Fund (1876)	Forward\$ 6,000 A friend, by the Hon. F. W. Torrance, for Endowment of a Library Fund (1882)
path Memorial Fund (1881) 1,000	income to be applied to binding (1892) 250
Forward \$ 6,000	Total \$ 6,650
Subscriptions,	etc., to Library.
John Thorburn for purchase of Books\$ 90 Andrew Drummond, do., for Ap-	Forward\$ 1,424 Peter Redpath, Esq., in aid of the new catalogue of the Li-
plied Science	brary (1892)
do do of 1886	annum since 1894
Andrew Drummond, Esq., to Library Fund of Faculty of Applied Science	particularly in the French Department (1897) 250 John H. R. Molson, donation for purchase of books for the
Lord Strathcona and Mount Royal, for purchase of books from the R. W. Boodle Library Ottawa Valley Graduates' So- ciety, for binding books in the	Library (1897) 195 Hon. Treas. Redpath Memorial Fund, London, England. The balance remaining over of the above fund to be used for
University Library 25	purchase of books for the Li- brary 47
Forward \$ 1,424	Total \$27,416
Secretal Collections and	and do the Museum
1. The Holmes Herbarium, presented l	by the late Andrew F. Holmes, M.D., presented by the late P. P. Carpenter,
presented by Henry Chapman, Esc	
4. The McCulloch Collection of Birds M. McCulloch, of Montreal, and pr	and Mammals, collected by the late Dr. cesented by his heirs.
5. The Logan Memorial Collections History, presented by the heirs F.R.S.	of Specimens in Geology and Natural of the late Sir W. E. Logan, LL.D.,
6. The Dawson Collection in Geolog Collections of Principal Dawson, p	y and Palæntology, being the Private resented by him to the Museum.
	era, presented by Sir Wm. C. Macdonald,
8. R. Morton Middleton, jr., London, E	
 Collection of Butterflies, presented ernors of the University. 	by the Members of the Board of Gov-

10. Collec (See Anni

Wm. Molson

T. J. Clax chase of seum Peter Redp seum exp annum fro Mrs. Peter I expenses, Mrs. H. G. F arrangeme er's Coll lan shells.. Peter Redpa provements

Chas. T. Blac nomical J. J. Arnton b R. A. Ramsay tomb of Sir Wm. C. Ma

Portrait of the

Portrait of Wil Bust of Willia University Portrait of Pet of Montrea Portrait of Rev. of the Univ Portrait of Sir Graduates (Portrait of Ho Graduates of Portrait of Peter of Edinburg Portrait of Dr. loving reme Bust of Peter Re

Personal frie
Portratt of Pet
Undergradus
Portrait of Mrs. Portrait of John

the Universi

### Endowment for the Museum. Subscriptions, etc., for the Museum.	in the
Subscriptions, etc., for the Museum. T. J. Claxton, Esq., for purchase of Specimens for Museum	
T. J. Claxton, Esq., for purchase of Specimens for Museum	2,000
chase of Specimens for Museum	
Chas. T. Blackman, Esq., of Montreal, the gift of a Telescope and Astronomical Instruments called after his name. J. J. Arnton bequest to McGill University (1895)	7,000 4,300 50
nomical Instruments called after his name. J. J. Arnton bequest to McGill University (1895)	
Portrait of the Founder, presented by the late Thomas Blackwood, Esq. Portrait of William Molson, Esq., presented to the University. Bust of William Molson, Esq., by Marshall Wood, presented by Graduates University. Portrait of Peter Redpath, Esq., painted by Sydney Hodges, presented by of Montreal. Portrait of Rev. Dr. Leach, by Wyatt Eaton, presented by Friends and Graof the University. Portrait of Sir William Dawson, by Wyatt Eaton, presented by Friends Graduates of the University. Portrait of Hop. James Ferriar, by Robert Harris, presented by Friends.	150
Portrait of Sir William Dawson, by Wyatt Eaton, presented by Frien Graduates of the University. Portrait of Hon James Ferrier by Robert Harris, presented by Frien	itizens
Portrait of Hon James Farrier by Robert Harris presented by Frien	is and
Graduates of the University. Portrait of Peter McGill, presented (through Mr. A. T. Taylor), by Judge	
of Edinburgh. Portrait of Dr. William Robertson, founder of the Medical Faculty, present loving remembrance by his family and descendants.	
Bust of Peter Redpath, Esq., by Reynolds Stephens, presented by Mr. Repersonal friends in England.	
Macdonald, Portratt of Peter Redpath, Esq., by Robert Harris, presented by Friend Undergraduates of the University. Portrait of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by Friend Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by Robert Harris, presented by the Government of Mrs. Peter Redpath, by Robert Harris, presented by Robert Harris, presented by Robert Harris, presented b	
d of Gov- Portrait of John H. R. Molson, by Robert Harris, presented by the Government the University.	nors o

II. ENDOWMENTS AND SUBSCRIPTIONS FOR THE FACULTY OF ARTS.

1. BUILDINGS, CHAIRS, ETC.

Endowment Fund, 1856.

John Gordon McKenzie, Esq.\$2,000 Ira Gould, Esq...... 2,300-Total, \$4,300

THE MOLSON CHAIR OF ENGLISH LANGUAGE AND LITERATURE, in 1856, endowed by the Honorable John Molson, Thomas Molson, Esq., and William Molson, Esq.,—\$20,000; and supplemented in 1892 by John H. R. Molson, Esq., with a further sum of \$20,000. Total, \$40,000,

with a further sum of \$20,000. Total, \$40,000,

THE PETER REDPATH CHAIR OF PURE MATHEMATICS (founded as Chair of Natural Philosophy), in 1871, endowed by Peter Redpath, Esq., \$20,000.

THE LOGAN CHAIR OF GEOLOGY, in 1871, endowed by Sir W. E. Logan, LL.D.. F.R.S., and Hart Logan, Esq.—\$20,000.

THE JOHN FROTHINGHAM CHAIR OF MENTAL AND MORAL PHILOSOPHY, 1873, endowed by Miss Louisa Frothingham,—\$20,000, and supplemented in 1891 with a further sum of \$20,000. Total \$40,000.

THE MAJOR HIRAM MILLS CHAIR OF CLASSICS, in 1882, endowed by the last will of the late Major Hiram Mills of Montreal.—\$42,000.

of the late Major Hiram Mills of Montreal,—\$42,000.

The David J. Greenshields Chair of Chemistry and Mineralogy in the Faculties of Arts and Applied Science, in 1883, endowed by the last will of the late David J. Greenshields, Esq., of Montreal, with the sum of \$40,000, half of which is devoted to the Faculty of Arts.

THE MACDONALD CHAIRS OF PHYSICS, in the Faculties of Arts and Applied Science, endowed by Sir William C. Macdonald, in 1890,—\$50,000; in 1893,—\$50,000. Total, \$100,000.

THE CHARLES GIBB BOTANICAL ENDOWMENT, subscriptions received to date:

THE MACDONALD PHYSICS BUILDING Maintenance Fund in the Faculties of Arts and

Applied Science, endowed by Sir William C. Macdonald, -- \$150,000.

THE MACDONALD CHEMISTRY AND MINING BUILDING AND EQUIPMENT, endowed by Sir William C. Macdonald, \$226,821.25.

THE MACDONALD CHEMISTRY AND MINING BUILDING MAINTENANCE FUND, endowed by Sir William C. Macdonald, \$225,000.

The Macdonald Chemistry Endowment Fund, endowed by Sir William C.

Macdonald, \$135,000.
THE KINGSFORD CHAIR OF HISTORY, endowed by Sir Wm. C. Macdonald, in 1898, \$50,000.

THE DAWSON CHAIR OF GEOLOGY endowed by Sir Wm. C. Macdonald in 1899, \$50,000. The Macdonald Buildings Repair Fund, endowed in 1900 by Sir William C. Macdonald, \$15,000.

2. ENDOWMENT FOR PENSION FUND.

This endowment was given in 1894 to be invested and the revenue used exclusive-ly for providing Pensions or Retiring Allowances for members of the teaching staff of the Faculties of Arts and Applied Science.

Lord Strathcona and Mount Royal .. \$50,000 John H. R. Molson...... 50,000 Sir William C. Macdonald...... 50,000-Total, \$150,000

3. EXHIBITIONS AND SCHOLARSHIPS, ETC.

THE JANE REDPATH EXHIBITION, in the Faculty of Arts,-founded in 1868, by Mrs. Redpath, of Terrace Bank, Montreal, and endowed with the sum of \$1,667.

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8, by Mrs. \$1,667.

THE MACDONALD SCHOLARSHIPS AND EXHIBITIONS, 10 in number, in the Faculty of Arts-founded in 1871, and endowed in 1882 with the sum of \$25,000 by Sir William C. Macdonald.

THE CHARLES ALEXANDER SCHOLARSHIP, for Classics-founded in 1871 by Charles

Alexander, Esq. Endowed in 1893 with the sum of \$2,000.

The Barbara Scott Scholarship for Classical Language and Literature founded in 1884 by the last will of the late Miss Barbara Scott, of Montreal,

in the sum of \$2,000.

THE GEORGE HAGUE EXHIBITION—founded in 1881—Annual value \$125.

THE MAJOR HIRAM MILLS MEDAL AND SCHOLARSHIP—founded by the will of the late Major Hiram Mills, of Montreal, and endowed with the sum of \$1,500.

T. M. Thompson, Esq.—\$250 for two Exhibitions in September, 1871; \$200 for two Exhibitions in 1872,—\$450.

REV. Colin C. Stuart—for the "Stuart Prize in Hebrew,"—\$60.

THE TAYLOR SCHOLARSHIP-founded in 1871, by T. M. Taylor, Esq.-Annual value \$100-terminated in 1878.

PROFESSOR ALEXANDER JOHNSON-for Scholarship for three Sessions, terminated 1886-87-\$350.

HER MAJESTY'S COMMISSION for the Exhibition of 1851-Nomination Scholarships for 1891, 1893, 1895 and 1897, value £150 annually, tenable for two years.

THE PHILIP CARPENTER FELLOWSHIP—founded by Mrs. Philip Carpenter, for the

Maintenance of a Post-Graduation Teaching Fellowship or Scholarship in Natural Science or some branch thereof in the Faculty of Arts in McGill College, endowed in 1892 with the sum of \$7,000.

A Lady, to provide for three tuitions in the Faculty of Arts for sessions 1892-93 1893-94

THE NEW YORK GRADUATE SOCIETY EXHIBITION—a gift of \$60 annually since 1897, for an Exhibition in the Faculty of Arts to be associated with the name of Sir William Dawson.

4. ENDOWMENTS AND DONATIONS OF MEDALS AND PRIZES.

In 1856 Henry Chapman, Esq., founded a gold medal, to be named the "Henry Chapman Gold Medal," to be given annually in the graduating class in Arts. This medal was endowed by Mr. Chapman in 1874 with the sum of \$700.

In 1860 the sum of £200, presented to the College by H. R. H. the Prince of Wales, was applied to the foundation of a Gold Medal, to be called the "Prince of Wales Gold Medal," which is given in the graduating class for Honour Studies in Mental and Moral Philosophy.

In 1864 the "Anne Molson Gold Medal" was founded and endowed by Mrs. John Melson of Relegent Hell Montreel for an Honour Course in Methamatics and

Molson, of Belmont Hall, Montreal, for an Honour Course in Mathematics and

In the same year the "Shakespeare Gold Medal," for an Honour Course, to comprise and include the works of Shakespeare and the Literature of England from his time to the time of Addison, both inclusive, and such other accessory subjects as the Corporation may from time to time appoint, was founded and endowed by citizens of Montreal, on occasion of the three hundredth an

niversary of the birth of Shakespeare. In the same year the "Logan Gold Medal" for an Honour Course in Geology and Natural Science was founded and endowed by Sir William Logan, LL.D., F.R.S., F.G.S., etc.

In 1874 a Gold and a Silver Medal were given by His Excellency the Earl of Dufferin, Governor-General of Canada, for competition in the Faculty of Arts, and continued till 1878.

In 1875 the "Neil Stuart prize in Hebrew" was endowed by Neil Stuart, Esq., of Vankleek Hill, in the sum of \$340.

In 1880 a Gold and a Silver Medal were given by His Excellency the Marquis of Lorne, Governor-General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science; continued till 1883.

In 1884 a Gold and a Silver Medal were given by His Excellency the Marquis of Lansdowne, Governor-General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science. Continued till 1888.

In 1889 a Gold and a Silver Medal were given by His Excellency Lord Stanley, Governor-General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science. Continued

THE "CHARLES G. COSTER MEMORIAL PRIZE" for general proficiency—given annually by Colin H. Livingstone, Esq., B.A.; founded in 1889.

In 1894 a Gold and a Silver Medal were given by His Excellency the Earl of Aberdeen, Governor-General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science. Continued till 1898.

In 1899 a Gold and a Silver Medal were given by His Excellency the Earl of Minto, Governor-General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science. Continued to date.

5. SUBSCRIPTIONS FOR THE SUPPORT OF THE CHAIR OF BOTANY, 1883-84.

Sir Wm. Dawson	\$500	per annum,	for 5	years. l	eing	\$2,500
Lord Strathcona and Mount Royal		" "	"	· ·		1,250
J. H. R. Molson, Esq	100	"	66	"		500
Mrs. J. H. R. Molson	100	"	"	6.		500
G. Hague, Esq	100	"	"	"		500
Mrs. Redpath	100	"	"	"		500
Hugh McKay, Esq	100	46	"	**		500
Robert Moat, Esq	100	"	"	66	,,,,,,	500
Sir Wm, C. Macdonald	100	"	"	"		500
Charles Gibb, Esq	10	"	"	"		250
Miss Orkney	50	"	**	"		250
Robert Mackay, Esq	50	"	66	"		250
Mrs. Wm. Molson	50	44	46			250
Mrs. John Molson	50	41	"	"		250
John Stirling, Esq	50	44	"	"		250
Warden King, Esq	50	"	"	46		250
Miss Hall	50	44	"	"		250
Robert Angus, Esq	50	"	"	"		250
D. A. P. Watt, Esq	50	"	"	"		250
Hugh McLennan, Esq	25	"	"	"		125
Sir Joseph Hickson	10	44	46	4:		50
Mrs. Phillips						20

6. BOTANIC GARDEN, ETC.

Subscriptions, 1890-91.

Hugh McLennan, Esq	\$100	Forward	\$900
Gilman Cheney, Esq	100	Jonathan Hodgson, Esq	100
James Johnston, Esq	100	Robert Mackay, Esq	100
James Slessor, Esq	100	H. Shorey, Esq	50
A friend	100	J. S. Shearer, Esq	50
Hugh Graham, Esq	100	Geo. Sumner, Esq	25
A. F. Gault, Esq	100	A. Ramsay & Co	25
W. T. Costigan, Esq	100	Garth & Co	25
Jonathan Brown, Esq	100		

Forward.....

Total..... \$1,275

\$9,945

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Sir William C. Macdonald						. 3	52 00 51 51 61 02
		T	otal			\$ 1,08	4 53
7. SUBSCRIPTIONS IN	AID O	F THE	CHAIR	OF	HEBREY	w.	
Warden King, Esqin	n 1889	\$50 pe	r annum	, 3 ye	ears bein	g	\$150
Sir William Dawson	"	50	"	"	"		150
Hon. Hugh Mackay	"	50	"	"	"		150
A. F. Gault, Esq	"	25		"	"		75
Geo. Hague, Esq	"	25	"	""	"		75
T. A. Dawes, Esq	"	25	"	"	"		75
S. Carsley, Esq		25		"			75
S. Davis, Esqii	n 1892						20 150
Warden King, Esq	66	50 p	er annu	m for	3 years		150
A. F. Gault, Esq	66	50	66	"	"		150
Robert Mackay, Esq	"	25		"	44		75
George Hague, Esq	"	25	"	66	"		75
r. A. Dawes, Esq	44	25	. "	"	"		75
S. Carsley, Esq	46						25
J. Murphy, Esq	66						25
			Tota	l		\$	1,495
8. SUBSCRIPTIONS TO PRO	OVIDE	SESSI	ONAL I	ECT	URERS.	ETC.	
Sir Wm. C. Macdonald, to provide f	or cert						7,300
Physics, etc., sessions 1894-95	and 18	95-96	•• ••••••			t of	2,627
		95-96	Tot	 21	partmen	t of	2,627
9. ENDOWM The Local Committee of the Britto found the British Association Applied Science, in commemoration treal in 1884	ENTS ish Ass Appara	FOR AF sociation atus Fur he meet	PARAT for the	US. Adva	ncement culties of	of Sci	2,627 1,927 ience and Mon-
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11. MISCELLANEOUS.

Hugh McLennan, Esq., subscription toward expense of table at the Biological Station, Wood's Holl, Mass., for McGill Professor of Botany (1896 to 1899).\$300

III. ROYAL VICTORIA COLLEGE.

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1. THE DONALDA ENDOWMENT FOR THE HIGHER EDUCATION OF WOMEN.

This endowment, given by the Lord Strathcona and Mount Royal of Montreal, is to provide for the education of women in the subjects of the Faculty of Arts, up

2. MISCELLANEOUS SUBSCRIPTIONS.

Lord Strathcona and Mount Royal, for musical instruction in sessions 1889-90 and\$400 Lord Strathcona and Mount Royal, for appliances in Zoology in the special interest of Donalda classes in 1895......\$100 Lord Strathcona and Mount Royal, for maintenance of Royal Victoria College session 1899-1900.......\$42,500

3. ENDOWMENT HELD IN TRUST BY THE BOARD OF ROYAL INSTITUTION.

The "Hannah Willard Lyman Memorial Fund," contributed by subscriptions of former pupils of Miss Lyman, and invested as a permanent endowment to furnish annually a Scholarship or Prizes in a "College for Women" affiliated to the University, or in classes for the Higher Education of Women, approved by the University. The amount of the fund is at present \$1,100.

IV. ENDOWMENTS AND SUBSCRIPTIONS FOR THE FACULTY OF APPLIED SCIENCE.

1. BUILDINGS, CHAIRS, ETC.

THE WILLIAM SCOTT CHAIR OF CIVIL ENGINEERING, in 1884, endowed by the last

will of the late Miss Barbara Scott, of A ontreal. \$30,000.

The David J. Greenshields Chair of Chemistry and Mineralogy, in the Faculties of Arts and Applied Science, in 1883, endowed by the last will of the late David J. Greenshields, Esq., of Montreal, with the sum of \$40,000, half of which is devoted to the Faculty of Applied Science.

THE THOMAS WORKMAN DEPARTMENT OF MECHANICAL ENGINEERING - founded in 1891 under the last will of the late Thomas Workman, Esq., who bequeathed the sum of \$117,000-\$60,000 for the maintenance of a Chair of Mechanical Engineering, with the assistance, shops, machinery and apparatus necessary thereto, \$57,000 to be expended in provision of necessary mildings, machinery and apparatus.

SIR WILLIAM C. MACDONALD, in 1890, towards erection of Thomas Workman Workshops, \$20,000.

THE MACDONALD ENGINEERING BUILDING AND EQUIPMENT-announced by Sir Wm. C. Macdonald as a gift to the University in 1890, and formally opened February,

THE MACDONALD PHYSICS BUILDING AND EQUIPMENT in the Faculties of Arts and Applied Science, the gift of Sir William C. Macdonald, announced by him as a gift to the University in 1890, and formally opened February, 1893.

THE MACDONALD CHAIRS OF PHYSICS, in the Faculties of Arts and Applied Science, endowed by Sir William C. Macdonald, in 1890—\$50,000, in 1893, \$50,000. Total, \$100,000.

THE MACDONALD CHAIR OF ELECTRICAL ENGINEERING endowed by Sir Wm. C. Macdonald, in 1891, with the sum of \$40,000; in 1898, with the additional sum of \$10,000.

THE MACDONALD ENGINEERING BUILDING MAINTENANCE FUND, endowed by Sir Wm. C. Macdonald, in 1892 and 1896.—\$85,000.

THE MACDONALD PHYSICS BUILDING MAINTENANCE FUND in the Faculties of Arts

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and Applied Science, endowed by Sir Wm. C. Macdonald, in 1892 and 1896—\$150,000.

THE MACDONALD CHEMISTRY AND MINING BUILDING AND EQUIPMENT, given to the University by Sir Wm. C. Macdonald, in 1896.—\$266,321.25.

THE MACDONALD CHEMISTRY AND MINING BUILDING MAINTENANCE FUND, endowed

by Sir William C. Macdonald, \$225,000.

THE MACDONALD CHAIR OF MINING AND METALLURGY, endowed in 1896 by Sir William C. Macdonald, with the sum of \$50,000.

THE MACDONALD CHAIR OF ARCHITECTURE, endowed in 1896 by Sir Wm. C. Macdonald, with the sum of \$50,000.

THE MACDONALD CHAIR OF CHEMISTRY, endowed in 1897 by Sir William C. Macdonald, with the sum of \$50,000.

THE MACDONALD ARCHITECTURAL DEPARTMENT MAINTENANCE FUND, endowed by Sir William C. Macdonald, in 1898 .- \$10,000,

THE SIR WILLIAM C. MACDONALD ENDOWMENT DEPARTMENT OF MINING AND METALLURGY, 1899.—\$55,000.

THE SIR WILLIAM C. MACDONALD ENDOWMENT OF DEPARTMENT OF CHEMISTRY,

1900.-\$135,000. THE MACDONALD BUILDINGS REPAIR FUND, endowed in 1900 by Sir William C. Macdonald .- \$15,000.

2. ENDOWMENT FOR PENSION FUND.

This endowment was given in 1894 to be invested and the revenue used exclusively for providing Pensions or Retiring Allowances for members of the teaching staff of the Faculties of Arts and Applied Science:

Lord Strathcona and Mount Royal...\$50,000 John H. R. Molson, Esq...... 50,000 Sir Wm. C. Macdonald 50,000-Total, \$150,000

3. EXHIBITIONS AND SCHOLARSHIPS.

THE SCOTT EXHIBITION .- Founded by the Caledonian Society of Montreal, in commemoration of the Centenary of Sir Walter Scott, and endowed in 1872 with the sum of \$1,100 subscribed by members of the Society and other citizens of Montreal. The Exhibition is given annually in the Faculty of Applied

Science—Annual value \$50.

The Burland Scholarship, founded 1882 by J. H. Burland, B.A.Sc., \$100 for a Scholarship in Applied Science for three years, being \$300.

HER MAJESTYS' COMMISSION for the Exhibition of 1851—Nomination Scholarships

for 1891, 1893, 1895 and 1897, value £150 annually, each tenable for two years.

THE DR. T. STERRY HUNT SCHOLARSHIP.—Founded in 1894 by the will of the late

Dr. T. Sterry Hunt, and endowed with the sum of \$2,082, the income to be given and paid annually to a student or students of Chemistry.

4. MEDALS AND PRIZES.

In 1880 a Gold and a Silver Medal were given by His Excellency the Marquis of Lorne, Governor-General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science. Continued till 1883.

In 1884 a Gold and a Silver Medal were given by His Excellency the Marquis of Lansdowne, Governor-General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science. Continued till 1888.

In 1885 the British Association Gold Medal for competition in the Graduating class in the Loulty of Applied Science, was founded by subscription of members of the British Association for the Advancement of Science, and by gift of the Council of the Association, in commemoration of its meeting in Montreal in the year 1884.

		given by His Excellency Lord Stanley, rmer for competition in the Faculty of e Faculty of Applied Science. Continued		
	In 1893. In 1894 a Gold and a Silver Medal were given by His Excellency the Earl of Aberdeen, Governor-General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science. Continued till 1898.			
	In 1899 a Gold and a Silver Medal were giv Governor-General of Canada, the form	ren by His Excellency the Earl of Minto, therefore competition in the Faculty of Arts. ulty of Applied Science. Continued to		
	5. ENDOWMENTS AND SUBSCRI	PTIONS FOR MAINTENANCE OF		
	Endowment Fund.	Graduates' Endowment Fund.		
,	Daniel Torrance, Esq	Graduates' Endowment Fund— Class 1890, \$70 a year for 5 years, \$350; received to date \$85		
	Total \$6,100			
	Annual Subscrip	tions, 1871-1879		
	Hon. James Ferrier (\$100 per	Forward \$13,850		
	annum for 10 years)	H. McLennan, Esq. (\$100 per annum for 5 years)		
	John H. R. Molson, Esq. (\$400 per annum for 10 years) 4,000	num for 5 years) 500 Gilbert Scott, Esq. (\$100 for 2		
	George H. Frothingham, Esq. (\$400 per annum for 7 years) 2,800	Joseph Hickson, Esq. (\$100 for		
	T. James Claxton, Esq. (\$100 per annum for 6 years)	2 years		
	Donald Ross, Esq. (\$50 per annum for 5 years)	His Excellency the Marquis of		
	Miss Mary Frothingham (\$400 per annum for 3 years) 1,200	Mrs. Redpath (Terrace Bank) 500		
	Forward \$13,850	Total \$16,450		
	Subscriptions towards Maintena	nce of Engineering Department.		
	Sir Wm. C. Macdonald, sessions 1891-92 to 1897-98			
		aries, session 1894-95 and 1897-98 1,920		
		aries, session 1894-95 and 1897-98 1,920 es of the course of summer work		
		stallation in Engineering Building,		
		6,000		
	do to cover salary of As	sistant in Chemical Department. and session 1899-1900		
	Total	\$66,761		
	E. B. Greenshields, Esq\$50	Subscriptions to provide lectures in Mechanical and Sanitary Engineering, E. B. Greenshields, Esq\$50 Forward\$161		
	J. E. Bovey, Esq 50	Jeffrey H. Burland, B.A.Sc., \$100		
	Professor H. T. Bovey £1	for 2 years		
	Total\$161			

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Subscriptions for Maintenance of C	hair of Fractical Chemistry, 1862.
Hon. C. Dunkin, M.P Sir William Dawson Peter Redpath, Esq	1,200
Total	\$2,626
For Maintenance of Chair of Mining	Engineering and Metallurgy, 1891.
R. B. Angus, Fisq \$2000	Forward\$4,000 \$6,200
Mrs, Dow 1000	E. K. Greene, Esq 750
Hugh McLennan, Esq 1000	Dr. T. Brainerd 750
Miss Benny 1000	A. F. Gault, Esq 750
T. A. Dawes, Esq 750	Messrs. H. & A. Allan 750
A. A. Ayer, Esq 250	Hector Mackenzie, Esq 750
G. W. Reid, Esq 100	Peter Lyall, Esq 750
Evans Bros 100	James Ross, Esq 600
\$6,200	A. Robertson, Esq 300
	John Duncan, Esq 300
Panable in Three Veans	George Hague, Esq 300
Payable in Three Years.	Jonathan Hodgson, Esq 300
	James Moore, Esq 200
Sir Wm. Dawson 1000	Messrs. Ames & Holden 150
Alex. Stuart, Esq. (Lon-	James Cooper, Esq 150
don, Eng) 1500	10,800
R. G. Reid, Esq 1500	
Forward\$4,000 \$6,200	Total\$17,000
	ss Rooms for Faculty of Applied 88. Total
John H. R. Molson, Fsq	Total \$6,000
John H. R. Molson, Fsq	Total
John H. R. Molson, Fsq	Total \$6,000
John H. R. Molson, Fsq	Total
John H. R. Molson, Fsq	Total
John H. R. Molson, Fsq	Total

8. LIST OF SUBSCRIBERS AND DONORS TO THE EQUIPMENT OF THE NEW ENGINEERING BUILDINGS OF MCGILL UNIVERSITY TO AY, 1900.

Adams, Capt. R. C. Mining phs American Steam Gauge Co. ston)
Adams, Capt. R. C. Mining phs
American Steam Gauge Co. ston)
ctor.
Archbald, H., Books
Archbald, H. Books Ashton Valve Co. (Boston)
Sectional Valve
Aurora Metal Co Specimens
Aurora Metal CoSpecimens Bell Telephone Co A set of
Telephone Apparatus
Bertram & Sons, J. (Dundas)
Dertram & Sons, J. (Dundas)
24 in. Planer Bethlehem Iron CoSpecimens
Birch & Co. I. (Frederich
Birch & Co., J. (England)
Hydraulic Tubes
Birks, Henry Clock
Bishop, George Equipment
Blackwe I, KennetEquipment
Bishop, George
Blue Prints of Pump
Blake Pump Co., The Geo. (New York
& Boston) Pump
Blake Pump Co., The Geo. (New York & Boston) Pump Bremner, A \$50 Brockhaus, Herr F. A Books
Brockhaus, Herr F. A Books
Brodle & Harvey \$50
Brush, G Boiler
Brush, G
Campbell Tile Co. (England), per
Jordan & Locker Equipment
Campbell, Kenneth
Canadian General Electric Co
(Toronto), per F. Nicholls Equipment Canadian General Electric Co
Canadian General Electric Co
· Electric Drill, Edison Generator,
Dynamo, Motor
Canadian Rand Drill Co Rock Drill
Carnegie Steel CoSpecimens
Carsley, S \$100 Carus-Wilson, Prof. C. A Equipment
Carus-Wilson, Prof. C. A Equipment
Cary, A. A Photographs of Boilers
Chadwick, F Truss Models
Chanteloup, E \$50
Carty, A. APhotographs of Boilers Chadwick, F
Scantling for Testing Laboratory
Costigan, J Equipment
Costigan, J Equipment Cowen, Amos Samples of Bricks
Cowper, P. H
Cowper, P. H
Craig, Messrs. J. & M., (Kilmarnock,
Scotland) Sanitary Sections (full
size) and models
Crocker-Wheeler Electric Motor Co.,
The (New York) Motor, Armature,
Prints
Crosby Steam Gauge and Valve Co.,
Crosby Steam Gauge and Valve Co., The (Boston)Gauge and Valve,
Indicator and Valves

1900.
Darling, Brown & Sharpe (Providence, R. I.) 6 in. Rule Date John Equipment Dawson, W. B. Specimens Dolworth Mining Co. 5 tons ore Dominion Coal Co. Miners' Tools Dominion Wire Manfg. Co., per F. Fairman Shaper Drummond, Hon. G. A. Prism Drysdale, D. Tools Drysdale, W. Tools Earle, S. R. Air Injector Edison General Electric Co. Two 450 light dynamos, Brake Shoe and Disc. Egleston, Dr. (New York) Framed Photograph of the Moon, Books,
Photograph of the Moon, Books, Photos, etc. Electric Welding Company, (Boston) Equipment "Engineering Magazine" (New York
"Engineering Magazine" (New York City) Mining Illustrations and Photographs
Eustis Mining Co
Garth & Co
Collection of Queensland Timbers Gower, W. E
A Model of the Stoney Creek Arch Hamilton Powder CoElectrical Blasting Machine, and appliances,
Hearn & Harrison, per L. Harrison, Barometer & Clock Hersey, R

TO ovidence, in. Rule quipment pecimens tons ore rs' Tools ... per F. PrismTools Tools Injector Two 450 and Disc. .. Framed , Books, (Boston) uipment ew York strations tographs uipment tons ore .. \$100 ire, etc. uipmentTools ecimans Teredos. n. Lathe uipment ... \$500 uipment les Timbers ustralia, Timbers\$100 aipment ecimens \$604 aipment k Arch ectrical liances, arrison, & Clock ..\$1200 ..\$200

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OF THE

Hoyt Metal Co.....Specimens Hughes & Stephenson...... Equipment Hutton, W. H....... Equipment Hutton, W. H...... Equipment Ingersoll Rock Drill Co.....Rock Drill Irvin & Hopper Equipment Ives, H. R Cupola Joyce, Alfred Jordan & Locker Equipment Kennedy, John Equipment Kennedy, W. & Sons. American Turbine Kennedy, W. (Owen Sound) Pump Kerr, R. & W. Tools King & Son, Warden \$534 Laughlin-Hough Drawing Table Co., Drawing Tables Lachine Rapids Co..... Electrical Laurie & Bro. J Compound Engine Lawson, A. J...... Equipment Lehigh Zinc & Iron Co......Franklin Furnace, N. J., Mining Specimens & Photographs Lindsay & Co., C. F...... Equipment Lovell & Son, John Books Lyster, A. G Drawings and Sketches of London and Liverpool Docks McLachlin Bros. (Araprior) Timber McLaren, D.....\$100 McPherson Sand Box Co. (Troy, N.Y.) Model of Sand Box Midvale Steel Co...... Specimens Miller Bros. & Sons Elevator Mitchell, P..... Equipment (\$300)
Mitchell & Co., R..... Equipment
Naismith, P. L., B.A.Sc.... Specimens
Nalder Bros. & Co. (England)..... Standard Cell National Electric Mfg. Co 100 volt Transformer, Transformers National Lead Co......Specimens Norton Emery Wheel Co. (Worcester, U.S.)..... Equipment Notman, Wm Photographs Ohio Brass Co Fittings Ogilvie, W\$500 Packard Elec. Co Transformer Palmer, A Equipment Paton, H..... Equipment Peckham Motor Truck and Wheel Co. (Kingston, N.Y., Model of Motor Truck

Pelton Water Wheel Co. (New York Two Motors Pennsylvania Railroad Co Work. ing Drawings of Locomotives (32) Phelps Engine Co., per A. R. Williams & Co., Dake Steam Engine, 4 Horse Power Engine Pillow, J. A \$250 Pittsburgh Reduction Co.....Specimens Pratt & Whitney (Hartford, Conn) Epicycloidal Gear Model Prowse, G. R Equipment Queensland Government per Sir Thos. McIlwraith Collection of Timbers Redpath, F. R Equipment Redpath, Mrs \$100 Reed, G. W \$100 Reed, G. W \$100 Reford, R \$1000 Reid, R Equipment Reid, R. G\$1000 Renouf, E. M Pooks Rhode Island Locomotive Works Photos of Locomotives Rife's Hydraulic Engine Mfg. (Roanoke, Va., U.S.A.). Hydraulic Ram Robertson, J...... Equipment Rogers, Professor (Waterville, Maine) Equipment Ross, Jas.... \$500 Rodden, W Equipment Royal Electric Co...... Motors 12 Are Light Dynamos, 30 Light Stanley transformer Rutherford, W..... Equipment Sadler, G. (Robin & Sadler) Belting (\$400) Seeley, John Insulators Schaeffer & Budenbery (Brooklyn, N.Y.)

Double Indicator Eng).... Equipment
 Shearer, James.....
 \$200

 Sheppard, Chas.....
 \$200
 Siemens Bros. (London, Eng)...... Cable Samples Smith, C. B Framed Photos of Bridges (2) Smith, R Equipment Spence, J. P., C.E..... Specifica-tions and Drawings showing construction of Sault Ste. Marie Canal

Smith, R. Guilford	Twyford & Co		
The above representing a total of about \$80,000. 9. FACULTY OF APPLIED SCIENCE LIBRARY ENDOWMENT, 1893.			
Hugh Paton \$ 25 A. Joyce 25 R. Gardner 50 H. Garth 100 Hughes & Stephenson 100 R. Mitchell 300 Forward \$600	Forward		
V. ENDOWMENTS AND SUBSCRIPTIONS IN AID OF THE FACULTY OF MEDICINE.			
1. LEANCHOIL E			
Lord Strathcona and Mount Royal			
	vice rendered to the Faculty during 40		
Forward \$20,000	Forward \$33,000		

	Forward \$3	33.000	Forward \$	47 600
	J. K. Ward, Esq	500	Hugh Patton, Esq	100
	Warden King, Esq	500	R. T. Godfrey, M.D	100
	John Stirling, Esq	500	T. A. Rodger, M.D	100
	John Rankin, Esq	500	W. A. Dyer, Esq	100
	Robert Reford, Esq	500	Geo. W. Wood, M.D. (Faribault,	100
	Messrs, Cantlie, Ewan & Co	500	Minn.)	100
	Messrs. J. & W. Ogilvie	500	A. A. Browne, M.D	100
		500		100
	Randolph Hersey, Esq	500	Geo. Wilkins, M.D	
	John A. Pillow, Esq	500	R. L. MacDonnell, M.D	100
	S. Carsley, Esq	500	Jos. Workman, M.D. (Toronto)	50
	D. C. MacCallum, M.D	500	Henry Lunam, B.A., M.D. (Camp-	50
	Messrs. S. Greenshields, Son & Co.		bellton, N.B.)	50
	Jonathan Fodgson, Esq	500	Hon. Sir A. T. Galt	50
	George Ross, M.D	500	T. J. Alloway, M.D	30
CONTRACTOR OF THE CONTRACTOR	T. G. Roddick, M.D	500	R. J. B. Howard, M.D.	25
	Wm. Gardner, M.D	50C	Louis T. Marceau, M.D. (Napier-	0.5
	Messrs. Cochrane, Cassils & Co	500	ville, Q.)	25
	Sir Joseph Hickson	500	Griffith Evans, M.D. (Vet. Dept.	0.0
	Allan Gilmour, Esq., Ottawa	500	Army	26
	R. W. Shepherd, Esq	500	J. J. Farley, M.D. (Belleville)	25
	G. E. Fenwick, M.D	300	Henry R. Gray, Esq	25
	Miles Williams, Esq	300	J. E. Brouse, M.D. (Prescott)	20
	G. P. Girdwood, M.D	250	R. N. Rinfret (Quebec)	20
	Charles F. Smithers, Esq	250	Robert Howard, M.D. (St. Johns)	20
	John Kerry, Esq	250	Drs. J. & D. J. McIntosh (Vank-	00
	A. Baumgarten, Esq	250	leek Hill)	20
	R. W. Elmenhorst, Esq	250	J. H. McBean, M.D	15
	W. F. Lewis, Esq	250	J. C. Rattray, M.D. (Cobden, O.)	10
	George Armstrong, Esq	250	E. H. Howard, M.D. (Lachine)	10
	J. M. Douglas, Esq	250	J. W. Oliver, M.D. (Clifton, O.)	10
	Messrs. H. Lyman, Sons & Co	250	D. A. McDougall, M.D. (Ottawa,	
	F. J. Shepherd, M.D	250	0.)	10
	Duncan McEachran, Esq., F. R.		A. Poussette, M.D. (Sarnia, O	10
	C. V. S	200	A. Ruttan, M.D. (Napanee, O.)	10
	Benj. Dawson, Esq	200	James Gunn, M.D. (Durham, O.)	10
	R. Wolff, Esq	150	J. McDiarmid, M.D. (Hensall, O.)	5
	James Stuart, M.D	150	W. J. Derby, M.D. (Rockland, O.)	5
	A. T. Paterson, Esq	100	J. Gillies, M.D. (Teeswater, O.)	5
	H. W. Thornton, M.D. (New		J. B. Benson, M.D. (Chatham,	
	Richmond, Q.)	100	N. B.)	5
	C. B. Harvey, M.D. (Yale, B.C.).	100	L. A. Fortier, M.D. (St. David	
	D. Cluness, M.D. (Nanaimo, B.C.)	100	Q.)	5
	W. Kinlock, Esq	100	J. A. McArthur, M.D. (Fort	
	Hua, Richardson & Co	100	Elgin, O.)	5
	Mrs. Cuthbert (N. Richmond, Q.).	100	John Campbell, M.D. (Seaforth,	
	J. M. Drake, M.D	100	0.)	5
	Forward\$	47,600	Total\$	48,906
	a HUDOWED		a povimena pma	
			RS, DONATIONS, ETC.	
) 4	LORD STRATHCONA AND MOUNT I	COYAL (JHAIR OF PATHOLOGY, endowed	
			Mount Royal with the sum of \$	50,000
	LORD STRATHCONA AND MOUNT H	COYAL E	NDOWMENT FOR THE DEPARTMENT	
	of Hygiene, endowed in 189	93 by th	e Lord Strathcona and Mouat	** ***
	Royal with the sum of	• • • • • • • • • • • • • • • • • • • •		50,000
	MRS. MARY DOW BEQUEST-Bequ	est by	the will of the late Mrs. Mary	
			93, \$10,000, less Government Tax	
	of 10 per cent			9,000
	JOHN H. R. MOLSON DONATION-	n 1893,	\$25,000 for the purchase of land	00.000
	and \$35,000 for additional bi	illding	and equipment	60,000
	WALTER DRAKE, Esq., for bene	to 1907	hair of Physiology, an annual	2 500

Equipment f first Tele-Wire Used Tools Equipment \$50 le Samples meters, &c.

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H. B. H.			
DR. ROBERT CRAIK FUND— M1. John McDougall, toward formati Jane F. Learmont, bequest	o do (1894)3,000		
JOSEPH MORLEY DRAKE, CHAIR OF PHYSIO	4,000 Logy, endowed in 1898 by Wal-		
ter Drake, Esq., with the sum of LADY STRATHCONA AND MOUNT ROYAL D ment Additional Buildings (1899)	50,000		
Hon. Mrs. Howard Donation for erect Buildings (1899)	ion and equipment Additional 50,000		
4. MEDALS AND	SCHOLARSHIPS.		
In 1865 the "Holmes Gold Medal" was a memorial of the late Andrew Holmes Faculty of Medicine, to be given to in Medicine, who should undergo a whether Primary or Final. In 1878 the "Sutherland Gold Medal" we real, in memory of her late husband, petition in the classes of Theoretical of Medicine, together with creditable. The David Morrice Scholarship—in the	founded by the Faculty of Medicine as a s, Esq., M.D., LL.D., late Dean of the the best student in the graduating class special examination in all the branches was founded by Mrs. Sutherland of Mont-Prof. William Sutherland, M.D., for comand Practical Chemistry in the Faculty extanding in the Primary Examinations.		
5. LIBRARY, MUSEUM	I / ND APPARATUS.		
	useum of the Faculty of Medicine, 1872.		
G. W. Campbell, A.M., M.D\$1200 W. E. Scott, M.D	Forward \$2,000 Robert Craik, M.D 200 Geo. E. Fenwick, M.D 200 Joseph M. Drake, M.D 200 George Ross, M.A., M.D 50		
Forward \$2,000	Total \$2,650		
The Professors and Lecturers in the Summer Sessions of the Faculty of Medicine	onation to Apparatus, Museum Library, etc., of the Medical Faculty, 1887, \$1,182; 1888, \$1,023.		
For Physiological Laborator	y of Faculty of Medicine, 1879.		
Dr. Campbell	Forward \$700 Dr. Ross 50		
Dr. Craik 100	Dr. Roddick 50		
Dr MacCallum 100 Dr Drake 100	Dr. Buller 50		
Dr. Godfrey	Dr. Gardner 50 Dr. Osler 50		
Forward \$700	Total \$950		
Cameron Obste	tric Collections.		
	\$10,000		
6. MISCEI	LANEOUS.		
6. MISCELLANEOUS. Anonymous Donor toward Expenses of Pathology for Session 1892-93			
	arch Fellow in the Department of Patho-		
	\$2,500 2,500		
Total	\$5,000		

VI. ENDOWMENTS AND SUBSCRIPTIONS FOR THE FACULTY OF LAW.

1. ENDOWED CHAIRS, ETC.

THE GALE CHAIR, in the Faculty of Law, endowed in 1884 by the late Mrs. Andrew Stuart (née Agnes Logan Gale) of Montreal, in memory of her father, the late Hon. Mr. Justice Gale. -\$25,000.

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THE MACDONALD FACULTY OF LAW ENDOWMENT, founded by Sir Wm. C. Macdonald,

in 1890—\$150,000. Supplemented in 1897 by \$50,000. Total \$200,000. Sir Wm. C. Macdonald, remodelling part of East Wing in 1895 for Class Rooms, Lecture Rooms, etc., for Law Faculty.

In 1865 the "Elizabeth Torrance Gold Medal" was founded and endowed by John Torrance, Esq., of St. Antoine Hall, Montreal, in memory of the late Mrs. John Torrance, for the best student in the graduating class in Law, and more especially for the highest proficiency in Roman Law.

VII. GRADUATES' FUNDS.

1. THE FUND FOR ENDOWMENT OF THE LIBRARY.

The Graduates' Society of the University, in 1876, passed the following Resolution :

Resolved:—"That the members and graduates be invited to subscribe to a fund for the endowment of the Libraries of the University; said fund to be invested "and the proceeds applied under the supervision of the Council of the Society in "annual additions to the Libraries; an equitable division of said proceeds to be "made by the Council between the University Library and those of the Profes- "sional Faculties."

In terms thereof subscriptions have been paid in to the Graduates's Society, amounting in all to \$3,120; the interest on which is annually expended in the purchase of books for the several libraries under the direction of a special committee appontedi for that purpose.

2, THE DAWSON FELLOWSHIP FOUNDATION.

The Graduates' Society of the University, in 1880, and in commemoration of the completion by Dr. Dawson of his twenty-fifth year as Principal, resolved to raise, with the assistance of their friends, a fund towards the Endowment of the Fellow. ship under the above name.

Details of the scheme can be had from the Treasurer, Francis Topp, B.A., B.C.L. The following subscriptions have been announced to date, May 1st, 1897 They are payable in one sum, in instalments, without interest or with interest till payment of capital, as subscribers have elected.

Alphabetically arranged.

Abbott, H., B.C.L\$	60	Forward\$	1,730
Archibald, H., B. A.Sc	20	Lyman, H. H., M.A	100
Bethune, M. B., M A., B.C.L	50	Lyman, A. C., M.A., B.C.L.,	50
Carter C. B., B.C.L	100	McCormick, D., B.C.L	100
Cruickshank, W. G., B.C. L	100	McGibbon, R. D., B.A., B.C.L	100
Dawson, W. B., M.A., Ma.E	50	McGoun, A., jun. M.A., B.C.L	50
Dougall, J. R., M.A	250	McLennan, J S., B.A	100
Gibb, C., B.A	100	Ramsay, R. A., M.A., B.C.L	50
Hall, Rev. Wm., M.A	100	Spencer, J. W., B.A.Sc., Ph.D	50
Hall, J. S., jun., B A., B.C.L	100	Stephen, C. H., B.C.L	100
Harrington, B. J., B.A., Ph.D	50	Stewart, D. A., B.A.Se	20
Hutchinson, M., B.C L	400	Stewart, J., M.D	60
Kirby, J., LL.D., D.C.L	50	Tait, M. M., B.C.L	100
Krans, Rev. E. H., M.A., LL D	100	Taylor, A. D., B.A., B.C L	1.00
Leet, S. P., B.C.L	100	Trenholme, N. W. M.A., D.C.L	40
Lighthall, W. D., M.A., B.C.L	100		
		Total to date \$3	3,110
Forward\$1	,730		