

*Office Copy*  
CALENDAR

OF

DALHOUSIE COLLEGE

AND  
*Imperfect*

UNIVERSITY.

HALIFAX, NOVA SCOTIA.

1898-99. *G. Mitchell*



HALIFAX:

PRINTED FOR THE UNIVERSITY BY THE NOVA SCOTIA PRINTING CO.

1898.

1898-99.

TIME TABLE—FACULTIES OF ARTS AND SCIENCE.

Years.		Monday.	Tuesday.	Wednesday.	Thursday.	Friday.
First Year.	9	Jun. Chem.		Jun. Chem.		Jun. Chem.
	10	Latin.	Greek.	Latin.	Greek.	Latin.
	11	Jun. Math.	Jun. Math.	Jun. Math.	Jun. Math.	Jun. Math.
	12		Botany.		English.	
	2	1st German.	2nd French.	1st German.	2nd French.	1st German.
Second Year.	3		1st French.		1st French.	
	9	2nd German.	3rd French.	2nd German.	3rd French.	2nd German.
	10	Sen. Math.	Sen. Chem.	Sen. Math.	Sen. Chem.	Sen. Math.
	11	Latin.	Sen. Math.	Latin.	Sen. Math.	Latin.
	12	English.	Jun. Physics.	English.	Jun. Physics.	English.
Third Year.	2	Jun. Physics.	2nd French.		2nd French.	Jun. Phil.
	4					
	9		3rd French.		3rd French.	
	10		Const. Hist.	Adv. Classics.	Const. Hist.	
	11	Sen. Physics.	Sen. Chem.	Sen. Physics.	Sen. Chem.	
	12	Sen. Phil.	1st Greek.		1st Greek.	
	1	Jun. History.	English.	Sen. Phil.	English.	Sen. Chem(Md)
	2	Pol. Economy	App. Mechan.	Jun. History.	Pol. Economy.	
	3	Jun. Physics.	Jun. Physics.	Jun. History.	App. Mechanics	Jun. History.
	4	Mineralogy.	Mineralogy.		Jun. Physics.	
	5	Botany.	Botany.		Mineralogy.	
	6	Latin.	3rd Greek.	Latin.	3rd Greek.	Adv. Classics.
	7	Adv. Math.	Botany.	Adv. Math.	Adv. Math.	Adv. Math.
8	1st German.	2nd French.	1st German.	2nd French.	1st German.	
Fourth Year.	9	3rd German.	1st French.	3rd German.	1st French.	3rd German.
	10	Moral Phil.	Adv. Phil.		Adv. Phil.	Moral Phil.
	11	Greek Phil.				Greek Phil.
	12	Jun. Physics.		The. Educa.		
	1			Eist. Educa.		
	2					
	3	2nd German.	3rd French.	2nd German.	3rd French.	2nd German.
	4	Senior Phil.	Sen. Chem.	Const. Law.	Sen. Chem.	Const. Law.
	5		Pol. Economy	Adv. Classics	Pol. Economy.	
	6	Sen. Physics.	App. Mechan.	Sen. Phil.	Const. Law.	Sen Chem(Md)
	7	Adv. Mat. Phy.	Sen. History.	Sen. Physics.	App. Mechanics	
	8		Mineralogy.	Adv. Mat. Phy.	Sen. History.	
	9		2nd Greek.		Mineralogy.	
10	Latin.	4th Greek.	Latin.	2nd Greek.	Adv. Classics.	
11			Contracts.	4th Greek.		
12		Adv. Math.		Adv. Math.	Contracts.	
1					Adv. Math.	
2		2nd French.		2nd French.		
3	3rd German.	Botany.	3rd German.	Botany.	3rd German.	
4	Moral Phil.	Adv. Phil.		Adv. Phil.	Mor. Phil.	
5	Greek Phil.				Greek Phil.	
6		English.	The. Educ.	English.		
7			Hist. Educ.			

N. B.—The days and hours of meeting of classes not mentioned in this Time Table will be arranged at the opening of the session.

## CHANGES IN THE CALENDAR.

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- § IV, 1, 2, 3, p. 37, Degrees in Arts.  
§ VII, pp. 42-44, Order of Subjects and Electives in B. A. and B. L. courses.  
§ X, 2, 3, 4, p. 53, Supplementary Examinations.  
§ XV, p. 56, University Medals.  
§ XL, 3, 4, 5, pp. 86, 87, Degree of Bachelor of Music.  
§ LIII, p. 94, LL. B. Course, Third Year.  
§ LVIII, p. 96, Non-payment of fees.  
§ § LXIV, LXV, pp. 102-113, M. D., C. M. Examinations.
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## ERRATA AND ADDENDA.

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- Page 21, line 27, for 3-4 read 2-3.  
" " " 39, for 2-3 read 9-10.  
" 22, " 9, for 9-10 read 3-4.  
" 44, lines 34 and 46, for *Ethics* read *Moral Philosophy*; also add to each list *Greek Philosophy*.  
" 53, line 17, for 4 read 2.  
" " " 31, for 5 read 3.  
" 63. Add to Faculty of Science the names of C. H. Porter, Jr., Esq.; F. H. Torrington, Esq.; Rev. R. Laing, M.A.  
" 87, line 31, for *the following* read *one of the following groups*.  
" 102, " 31, for *course and* read *and course*.  
" 128, " 7, for *in* read *of*.  
" 117. Add: THE GYMNASIUM. Instruction is furnished by a competent gymnast. All male students, on paying the registration fee, are entitled to the use of the Gymnasium.  
" 121, line 43, for *President* read *Speaker*.  
" 148, for *f<sup>1</sup>MacRae, D. A.*, read *f<sup>3</sup>MacRae, D. A.*
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**Attention is called to the request of the Lecturer in Zoology.**

See page 117, last paragraph.



# Dalhousie College,

HALIFAX, N. S.

The following pages represent an attempt to present, in a concise form, some of the needs of Dalhousie, together with some few facts that may be of interest to her friends:

*(Extracts from a letter from Dr. MacGregor.)*

In Physics we want—

(1) More illustrative apparatus for lectures. \$100 would get us one or two things. \$500 would be a great boon. \$1000, though a miserable pittance elsewhere, would be a luxury for us.

(2) We want a few sets of simple apparatus for beginners in the Laboratory to make it possible to send them into the Laboratory—say \$300 or \$400.

(3) Most of all, we want some good measuring apparatus. With the one or two things we have, and under the stimulus of the 1851 Exhibition Scholarship, some of our men have been doing fine work. But we ought to be able to work not all on one line, but on a number of lines, and that means considerable expenditure. Of course, \$100 would get us two or three small things, \$500 would give us two or three big things, and \$1000 would give us quite a small start.

(4) There ought also to be a fund for an assistant, say \$500 a year. I don't think we could get an efficient man for much less. To get the full benefit from any considerable expenditure on apparatus, it would be necessary to have an assistant.

(5) Then a large number of books are needed for the men engaged in research. Besides, a considerable expenditure has to be made on serials which contain, for the most part, the information that the investigator requires. To endow the necessary magazines would require \$2000 or \$3000, but even \$1000 would be a great help.

(6) To perpetuate the benefits which would arise from an expenditure of the amounts stated above, it would be necessary to have an endowment fund which would, in each case, bring in say 20 per cent. of the amount expended at once. Unless you have that you at once begin to fall behind.

#### SCIENCE DEPARTMENT.

The most crying want of the Scientific Department is a chair of Natural Science. Two chairs would be still better, one in Biology and another in Geology, but one chair for both would be for us an immense advance. Note that we have a Province abounding in minerals with a fauna and flora not yet worked up and still have not, if I remember aright, a single man in the Province giving his whole attention to even this group of subjects. In Dalhousie we are dependent upon volunteer lecturers who give each a single short course. Our men should have a chance of getting a start in these subjects at any rate. Probably we could get a capable young man to teach these subjects for \$1500 a year. It would take say \$500 to give him a small outfit of microscopes and other appliances.

#### APPLIED SCIENCE.

In Applied Science we want, I think, another general man able to teach well the elements of engineering science in all its branches. Such men are to be had. He would teach drawing, surveying, civil and other forms of engineering. It would be a heavily weighted chair, but we must aim at possibilities. He too would require an outfit, perhaps about \$400 or \$500. Far more could be expended of course in the line of practical work.

#### *Note from Prof. E. MacKay, Ph. D., re Chemical Department.*

The defects at present most seriously felt in the equipment of the Chemical Department are lack of apparatus and lack of reference books. To enable us to carry out efficiently the laboratory courses at present being given, with the number of students now taking them, would require an expenditure of about \$1300 on additional apparatus. To supply the library with the modern text-books and books of reference which it should contain in addition to those at present in it, in order to meet the needs of undergraduate students in Chemistry, would involve an expenditure of about \$150. In all, therefore, about \$1,450 would enable us to bring our present equipment up to a satisfactory standard so far as regards the carrying out of our ordinary college work.

(Letter from Dr. MacMechan.)

#### LIBRARY.

Perhaps the very greatest need of the College at the present time is an adequate library. The disadvantages of the present condition are many. As there is no fund to support it, the library grows irregularly and slowly, by chance gifts. Students and professors are thereby continually hampered in their work, while such a thing as keeping abreast of modern research, or making independent investigations with the material at hand, is out of the question. The present collection consists of 8000 volumes, while at least five times that number is needed. The judicious expenditure of \$5000 *per annum* for eight or ten years would give Dalhousie a working, modern library, such as is found in American colleges of the same size.

But even if such a collection were undertaken, the College could not house it, even at the outset, as almost all the available space is occupied. If the library is to grow, a separate library building is necessary at once. It should be a modern, permanent fire-proof structure, similar in type to the Peter Redpath Library of McGill University.

Again, a separate building to house a collection of 40,000 volumes implies a trained and paid librarian, who can devote his entire time to the care of it, and one or more assistants. Otherwise, the collection will be inaccessible and practically useless.

It is my opinion, based on an extended study of the question, that a suitable library of the nature indicated could be built, equipped and endowed for the sum of one hundred and fifty thousand dollars.

(Signed) ARCHIBALD MACMECHAN.

In response to your most welcome enquiry as to the most pressing need of the Dalhousie Law School, I have to say, we now need, most of all, money to buy books for the Law School Library.

I am faithfully yours,

R. G. WELDON.

The above represents a modest request from the Dean of our Law Faculty, Dr. Weldon. It is well-known, however, that another paid lecturer would be a great advantage to the Law School.

In compliance with your request made on behalf of the General Students' Committee, I have much pleasure in enclosing a memo. of what appear to be the most urgent needs of the Medical Faculty of Dalhousie, constituted as it is at present. Wishing you every success in your efforts to supplement the work of the Governors in endeavoring to improve the general equipment of the University and increase the facilities for teaching in the various departments,

Yours truly,

A. W. H. LINDSAY.

MEMO.

Microscopes and accessories.

Anatomical preparations and models and plates. Skeleton and Osteological specimens.

100 specimens of medical and poisonous plants.

Microscopic slides of Botanical preparations.

Microscopic slides illustrating normal histology.

“ “ “ pathological conditions.

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# UNIVERSITY ALMANAC, 1898-99.

1898.

- Aug. 23, Tu.—Last day for receiving notices of Supplementary Examinations (Faculty of Law).
- 25, Th.—Last day for receiving applications for Matriculation Examination (Provincial Medical Board).
- 29, M.—Last day for receiving notices of Supplementary Examinations (Medical Faculty).
- 30, Tu.—Session begins (Law Faculty).  
10 A. M., Registration and payment of class fees (Law Faculty).  
3 P. M., Supplementary Examinations (Law Faculty).
- 31, W.—Lectures begin (Law Faculty).
- Sept. 2, F.—10 A. M., Meeting of Senate.  
“ “ —10 A. M., Meeting of Faculty of Arts.  
5, M.—Last day for receiving notices of Supplementary Examinations (Arts and Science Faculties).
- 6, Tu.—Session begins. (Arts and Science Faculties).  
3 P. M. Registration of Candidates for Matriculation and Scholarship Examinations (Arts and Science Faculties).
- 7, W.—Examination for Junior and Senior Matriculation and for Entrance Scholarships (Arts and Science Faculties).  
9.45 A. M., Latin.  
3 P. M., Greek.
- 8, Th.—10 A. M., Geometry.  
3 P. M., Arithmetic, Algebra.  
9 A. M., Matriculation Examination (Provincial Medical Board) begins at Medical College.
- 9, F.—Matriculation and Scholarship Examinations continued :  
10 A. M., History and Geography.  
P. M., English.
- 10, S.—10 A. M., French.  
3 P. M., German.
- 12, M.—10 A. M., Chemistry. Supplementary Examinations begin (Arts, Science, and Medical Faculties).  
Results of Matriculation Examination (Prov. Med. Board) declared and certificates issued.  
11 A. M., Registration and payment of class fees (Medical Faculty).
- 14, W.—9 A. M., Meetings of Faculties of Arts and Science.  
3 P. M., CONVOCATION. Address by Prof. E. Mackay, Ph. D.
- 15, Th.—Registration and payment of class fees (Arts and Science Faculties).  
“ “ —Lectures begin (Arts and Science, and Medical Faculties).
- 19, M.—Intimation as to elective subjects to be made by undergraduates of Third and Fourth Years (Arts Faculty) on or before this day.
- Oct. 6, Th.—4.30 P. M., Meeting of Faculty of Law.  
14, F.—4 P. M., Meeting of Faculties of Arts and Science.  
“ “ —Returns as to residence and church attendance to be made on or before this day.

- Nov. 3, Th.—4.30 P. M., Meeting of Faculty of Law.  
 —, Th.—Thanksgiving Day.—No lectures.  
 —, F. —Munro Day.—No lectures.
- Dec. 1, Th.—4.30 P. M., Meeting of Faculty of Law.  
 15, Th.—Last day of lectures (Arts and Science Faculties).  
 16, F. —Christmas Examinations (Arts and Science Faculties) begin :  
     8.45 A. M., Latin.  
     11.15 A. M., French.  
     3.00 P. M., Botany.
- 17, S.— 9.00 A. M., Junior Philosophy, Senior Physics.  
     3.00 P. M., Junior Physics.
- 19, M.— 9.00 A. M., German.  
     11.15 A. M., Junior and Senior Mathematics.  
     3.00 P. M., First English, Moral Philosophy.
- 20, Tu.— 9.00 A. M., Political Economy.  
     11.15 A. M., Second, Third, and Fourth English.  
     3.00 P. M., Chemistry, Senior Philosophy.
- 21, W.— 9.00 A. M., Greek.  
     11.15 A. M., Senior History.  
     3.00 P. M., Junior and Senior Mathematics, Junior History, Applied Mechanics.
- “ “ —Last day of lectures (Medical Faculty).  
 22, Th.—Last day of lectures (Law Faculty).

## 1899.

- Jan. 4, W.—Lectures resumed (Faculty of Law).  
 5, Th.—Lectures resumed (Faculties of Arts, Science, and Medicine).  
 27, F. —4 P. M., Meeting of Senate.
- Feb. 2, Th.—4.30 P. M., Meeting of Faculty of Law.  
 10, F. —Last day of lectures (Law Faculty).  
 11, S. —Sessional Examinations (Law Faculty) begin :  
     10.00 A. M., Equity.
- 13, M. — 10.00 A. M., Constitutional History, International Law.  
     3.00 P. M., Constitutional Law.
- 13, Tu.— 10.00 A. M., Sales.  
     3.00 P. M., Crimes.
- 1, W. —Ash Wednesday. No lectures.  
     10.00 A. M., Real Property (Advanced).  
     3.00 P. M., Torts.
- 16, Th.— 10.00 A. M., Evidence.  
     3.00 P. M., Real Property (1st year).
- 17, F. — 10.00 A. M., Contracts; Conflict of Laws.  
     3.00 P. M., Shipping.
- 25, S. — 10.00 A. M., Procedure.
- March 1, Tu.—Last day for receiving M. A. Theses.  
 31, F. —Good Friday.—No lectures.
- April 3, M. —Last day for receiving applications for Primary and Final M. D., C. M. Examinations.  
 6, Th.—Last day of lectures (Faculties of Arts, Science and Medicine).  
 8, S. —Sessional Examinations (Arts and Science Faculties) begin :  
     9.00 A. M., Senior Philosophy; Junior Philosophy.  
     3.00 P. M., Education.
- 10, M. —Class certificates (Medical Faculty and Halifax Medical College) issued on presentation of class-fee receipts at Registrar's Office, Dalhousie College, 11 A. M., and at Secretary's Office, Halifax Medical College, respectively.

- April 10, M.— 8.45 A. M., Latin.  
11.15 A. M., French.  
3.00 P. M., Practical Physics.
- 11, Tu.— 9.00 A. M., Second, Third and Fourth English.  
11.15 A. M., Additional French.  
3.00 P. M., Junior Physics.
- 12, W.—Primary and Final M. D., C. M. Examinations begin :  
9.00 A. M., Jun. and Sen. Practical Chemistry (written).  
11.15 A. M., Mathematics ; Junior History.  
3.00 P. M., Additional Latin ; Junior Anatomy ; Materia Medica and Therapeutics ; Surgery.
- 13, Th.— 9.00 A. M., First English ; Additional Third English.  
11.15 A. M., Political Economy ; Mineralogy.  
3.00 P. M., Sen. Physics ; Addit. Jun. and Sen. Philosophy.
- 14, F. — 9.00 A. M., Junior and Senior Chemistry.  
3.00 P. M., Addit. Greek ; Medical Jurisprudence and Hygiene ; Medicine.
- 15, S. — 9.00 A. M., Greek.  
11.15 A. M., Addit. History.  
3.00 P. M., Greek Philosophy ; Sen. Anatomy ; Pathology.
- 17, M. — 9.00 A. M., Mathematics ; Addit. Sen. Physics ; Pract. Chemistry (laboratory—1st division).  
11.15 A. M., Addit. Junior Physics.  
2.30 P. M., Pract. Chemistry (laboratory—2nd division).  
3.00 P. M., Sen. History ; Addit. First and Second English ; Histology ; Obstetrics.
- 18, Tu.— 9.00 A. M., Addit. Mathematics ; Addit. Greek Philosophy.  
3.00 P. M., German ; Oral Exams. in Chem., Med. Jurisprudence and Hygiene, Mat. Medica and Therapeutics.  
Clinical Medicine at Victoria General Hospital.
- 19, W.— 9.00 A. M., Addit. German.  
11.15 A. M., Addit. Political Economy.  
3.00 P. M., Botany and Zoology ; Physiology.  
Clinical Surgery at Victoria General Hospital.
- 20, Th.— 3.00 P. M., Oral Exams. Anatomy, Pathology, Medicine.
- 21, F. — 3.00 P. M., Oral Exams. Physiology, including Histology ; Surgery ; Obstetrics and Diseases of Women and Children.
- “ “ Meeting of Faculty of Medicine at 8 P. M.
- 22, S. —Meeting of Faculties of Arts and Science at 9 A. M.
- 24, M.—Meeting of Senate at 9 A. M.
- “ “ —Results of Examinations (Faculties of Arts, Science and Medicine) declared.
- 25, Tu.—CONVOCATION, at 3 P. M.

N. B.—The dates of the Examinations are liable to change as circumstances may demand.

## HISTORICAL SKETCH.

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DALHOUSIE COLLEGE was founded by the Right Honourable George Ramsay, Ninth Earl of Dalhousie, in 1821. "for the education of youth in the higher branches of science and literature."

The original endowment was derived from funds collected at the port of Castine, in Maine, during its occupation in 1814 by Sir John C. Sherbrooke, then Lieutenant-Governor of Nova Scotia. These funds the British Government authorized the Earl of Dalhousie, Sir John's successor, to expend "in defraying the expense of any improvement which it might seem expedient to undertake in the Province;" and the Earl, believing that "a Seminary for the higher branches of education is much needed in Halifax--the seat of the Legislature--of the courts of justice--of the military and mercantile Society," decided upon "founding a College or Academy on the same plan and principle of that at Edinburgh," "open to all occupations and sects of religion, restricted to such branches only as are applicable to our present state, and having the power to expand with the growth and improvement of our society."

The original Board of Governors consisted of the Governor-General of British North America the Lieutenant-Governor of Nova Scotia, the Bishop, the Chief Justice and President of Council, the Provincial Treasurer and Speaker of the House of Assembly.

After unsuccessful efforts on the part of both the British Government and the Board of Governors to effect a union with King's College, the only other then existing in the Province, this College went into operation in 1838, under the Presidency of the Rev. Thomas McCulloch, D. D., and with a staff of three Professors.

By an Act passed in 1841, University powers were conferred on the College, and the appointment of the Governors was vested in the Lieutenant-Governor and Council.

In 1843, President McCulloch died; and in 1845, the College was closed, the Governors considering it "advisable to allow the funds of the institution to accumulate."

In 1848, an Act was passed authorizing the Lieutenant-Governor and Council to appoint a new Board of Governors "to take some steps for rendering the institution useful and efficient as to His Excellency may seem fit." This Board, from 1849 to 1859, employed the Funds of the University to support a High School.

In 1856, the Arts department of the Gorham College, Liverpool, N. S., was transferred to this College "with a view to the furtherance of the establishment of a Provincial University," and an attempt was made to conduct the Institution as a University under the Act of 1841. This union, however, came to an end in 1857.

In 1863 the College was re-organized under the following Act:

*An Act for the Regulation and Support of Dalhousie College.*

(Passed the 20th day of April, A. D , 1863.)

WHEREAS, it is expedient to extend the basis on which the said College is established, and to alter the constitution thereof, so as the benefits that may be fairly expected from its invested capital and its central position may if possible, be realized, and the design of its original founders, as nearly as may be, carried out.

*Be it enacted by the Governor, Council, and Assembly, as follows :—*

1. The Board of Governors now appointed, consisting of the Honorable William Young, the Honorable Joseph Howe Charles Tupper, S. Leonard Shannon, John W. Ritchie, and James F. Avery, Esquires, shall be a body politic and corporate by the name and style of the Governors of Dalhousie College at Halifax, and shall have and exercise all usual powers and authorities as such, and have the title, control and disposition of the buildings on the Parade, at Halifax, and of the property and funds belonging to the said college and held for the use thereof, by the present Governors; and all vacancies at the Board shall be filled up on recommendation of the remaining members thereof by the Governor-in-Council; and any of the Governors shall be removed by the Governor-in-Council, at the instance of the Board of Governors.

2. Whenever any body of Christians, of any religious persuasion whatsoever, shall satisfy the Board that they are in a position to endow and support one or more chairs or professorships in the said College, for any branch of literature or science, approved by the Board, such body in making such endowment, to the extent of twelve hundred dollars a year, shall have a right, from time to time, for every chair endowed, to nominate a Governor to take his seat at the Board with the approval of the Board of Governors and of the Governor-in-Council, and shall also have a right, from time to time to nominate a Professor for such chair, subject to the approval of the Board of Governors; and in the event of the death, removal, or resignation of any person nominated under this section, the body nominating shall have the power to supply the vacancy thus created.

3. The same right of nominating a Professor from time to time shall belong to any individual or number of individuals, who shall endow to the same extent and support a chair or Professorship, and to the nominee of any testator by whose will a chair or professorship may be so endowed

4. The Governors shall have power to appoint, and to determine the duties and salaries of the President, Professors, Lecturers, Tutors, and other officers of the College, and from time to time to make statutes and by-laws for the regulation and management thereof, and shall assemble together as often as they shall think fit, and upon such notice as to them shall seem meet, and for the execution of the trust hereby reposed in them.

5. The said college shall be deemed and taken to be a University, with all the usual and necessary privileges of such institutions; and the students shall have liberty and faculty of taking the degrees of bachelor, master, and doctor, in the several arts and faculties at the appointed times; and shall have liberty within themselves of performing all scholastic exercises for the conferring of such degrees and in such manner as shall be directed by the statutes and by-laws.

6. No religious tests or subscriptions shall be required of the professors, scholars, graduates, students, or officers of the College.

7. The internal regulations of the said College shall be committed to the Senatus Academicus, formed by the respective chairs or professorships thereof subject in all cases to the approval of the Governors.

8. The Legislature shall have power, from time to time, to modify and control the powers conferred by this Act.

9. The Acts heretofore passed in relation to Dalhousie College are hereby repealed, except the Act passed in the fourth year of his late Majesty King George the Fourth, entitled, "An Act authorizing the lending of a sum of money to the Governors of Dalhousie College, and for securing the payment thereof."

This Act was afterwards amended by the following Acts :

*An Act to amend the Act for the Regulation and Support of  
Dalhousie College.*

(Passed the 6th day of May, A. D., 1875.)

*Be it enacted by the Governor, Council, and Assembly as follows :—*

1. The present Board of Governors, consisting of nine persons, shall be increased to a number not exceeding fifteen ; and the Board shall be filled up with new nominations made on the same principle as set forth in the first section of the Act hereby amended ; and any of the Governors shall be removable, as heretofore by the Governor-in-Council.

2. The Governors shall have power to affiliate to Dalhousie College any other college desirous of such affiliation, or any schools in arts, in theology, in law, or in medicine, and to make statutes for such affiliations, and for the regulation and management thereof, on the same principles as obtain in other Universities, and to vary and amend such statutes from time to time. Provided always, that such statutes of affiliation, before they go into effect, shall be submitted to and receive the sanction of the Governor-in-Council.

3. So much of Chapter 24 of the Acts of 1863, entitled, "An Act for the Regulation and Support of Dalhousie College," or of any other Act as is inconsistent with this Act, is repealed.

*An Act to provide for the Organization of a Law Faculty in connection  
with Dalhousie College, and for other purposes.*

(Passed the 14th day of April, A. D. 1881.)

*Be it enacted by the Governor, Council, and Assembly, as follows :—*

1. The Governors of Dalhousie College, at Halifax, shall in addition to the powers conferred on them by Section 2 of chapter 27 of the Acts of 1875, entitled "An Act to amend the Act for the Regulation and support of Dalhousie College," have power to organize a Faculty of Law in connection with such College, and to appoint professors or lecturers in law, and out of the revenues of the College to provide for the maintenance and support of such Faculty, and to make rules for the regulation and management of such Faculty, and for the granting of degrees in law on the same principles as obtain in other universities, and to vary and amend such rules from time to time.

2. Section 3 of chapter 24 of the Acts of 1863, entitled "An Act for the regulation and support of Dalhousie College," is amended by adding the words "and governor" after the word "professor" in the said section, and any individual who has hitherto endowed a Chair or Chairs in the College shall have a right to nominate a governor for each Chair endowed, in the same way as if section 3 aforesaid had been originally passed as now amended.

3. Section 1 of the said chapter 27 of the Acts of 1875, is amended by adding the words "provided, however, that in the event of any body of Christians, individual, or number of individuals, endowing and supporting one or more Chairs or professorships in the said College, as provided by sections 2 and 3 of the Act hereby amended, and of such body of Christians or individuals nominating a professor or governor by virtue thereof, the number of governors may be increased beyond fifteen, but such increase shall be limited to the number of such chairs or professorship as may after the passing of this Act be founded by virtue of said sections 2 and 3."



In pursuance of the Act of 1863, the Presbyterian Church of the Lower Provinces closed their College, and agreed to support two chairs in this University; the Synod of the Maritime Provinces in connection with the Church of Scotland founded one chair; and the College opened in that year, under the Principalship of Rev. James Ross, D. D., and with an Arts Faculty of six Professors. On the death of Principal Ross in 1885, and Professor Lyall in 1890, the Presbyterian Church withdrew the two Professorships they had previously supported.

In 1868, a Faculty of Medicine was organized, which, in 1875, developed into the Halifax Medical College. In 1885 the Faculty was re-organized.

In 1883 the Faculty of Law, and, in 1891, the Faculty of Pure and Applied Science, were added.

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In 1879, the late GEORGE MUNRO, of New York, a native of this Province, placed in the hands of the Governors the funds necessary for the endowment of a Professorship of Physics. In 1881 he established a Professorship of History and Political Economy. In 1882, he founded a chair of English Language and Literature. In 1883 he added to the staff of the College a Professor of Constitutional and International Law. In 1884 he founded a Professorship of Philosophy. From 1883 till 1890 he provided Tutors in Classics and Mathematics. From 1880 to 1894 he provided the University with Exhibitions and Bursaries, to the amount of \$83,148.69, which, according to his own desire, were so offered for competition as to stimulate to greater activity and efficiency the High Schools and Academies of Nova Scotia and the neighboring Provinces.

The Governors desire to place on permanent record their high sense of Mr Munro's enlightened public spirit, and their gratitude to him for the munificent manner in which he came to their help in the work of building up an unsectarian University in Nova Scotia.

To connect the donor's name for all time with the benefits thus conferred both on the University and on his native country, the chairs which he founded shall be called the GEORGE MUNRO CHAIRS OF PHYSICS, OF HISTORY AND POLITICAL ECONOMY, OF ENGLISH LANGUAGE AND LITERATURE, OF CONSTITUTIONAL AND INTERNATIONAL LAW, AND OF PHILOSOPHY, respectively.

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In 1882, ALEXANDER MCLEOD, Esq., of Halifax, bequeathed to the University the residue of his estate. The following is an extract from his will:

"All the residue of my estate I give and bequeath to the Governors of Dalhousie College or University in the City of Halifax in Trust, that the same shall be invested and form a fund to be called the McLeod University Fund, and the interest and income of which shall be applied to the endowment of three or more professorial chairs in said College as they may deem proper; but this bequest is made upon these conditions namely, that if at any time the said College or University shall cease to exist, or be closed for two years, or be made a sectarian college, then and in any such case, the said fund and all accumulations thereof shall go to the said Synod of the Maritime Provinces of the Presbyterian Church in Canada, to be used for the purposes of higher education in connection with said Synod, and it is further stipulated that no part of this fund shall ever be used, either by said Governors of Dalhousie College or by the said Synod, as a collateral security under any circumstances whatever."

According to the provisions of the will, the MCLEOD CHAIRS OF CLASSICS, CHEMISTRY, and MODERN LANGUAGES were founded.

In 1886, the late SIR WILLIAM YOUNG, one of the oldest and best friends of the College, subscribed \$20,000 to start a Building Fund. In 1887, Sir William Young bequeathed to the University half the residue of his estate, together with a Prize Fund of \$4,000, and the amount remaining unpaid of his subscription to the Building Fund. The following are extracts from his will :

“ I bequeath to the Governors of Dalhousie College at Halifax, the sum of \$4,000 to be kept continually invested by them, and that they shall apply the income derived therefrom in founding and maintaining a prize of a gold medal of the value of \$50, to be called Sir William Young's medal, and to be annually awarded for scholastic eminence, and to have the recipient's name engraved thereon, with the year of his attendance at College, and in founding and maintaining such other prizes for distribution among the students of said College as the Governors may from time to time approve.

“ Having agreed and promised to the Governors of Dalhousie College to pay them the sum of \$20,000 to aid in the erection of their building now in progress, I direct my executors to pay the said sum from time to time as it may be required by the said Governors.

“ All the rest and residue of my estate I direct my executors to divide into two even and equal parts or shares, and to pay over one such part or share to \* \* \* , and the other part or share to the Governors of Dalhousie College at Halifax for the general purposes of said College.

“ In the event of my having paid to Dalhousie College during my life-time any part of said sum of \$20,000 hereinbefore mentioned, as agreed to be paid to them to aid in the erection of the college buildings, I do direct my executors to pay to said Governors the balance only, if any, that may be due on said sum at the time of my decease.”

In 1887, by the will of the late J. F. AVERY, M. D., of Halifax, the following bequest was made to the college :

“ I give and bequeath the sum of \$500 to Dalhousie College in the City of Halifax, to be at the disposal of the Senatus of the said College, and the interest thereof to be appropriated for an annual prize.”

In 1887, by the will of the late MRS. HARRIET ELIZABETH MACKENZIE, or MORRISON, of Stornaway, Scotland, formerly of Pictou, N. S., the following bequest was made to the College :

“ To Dalhousie College £1 000 for founding a bursary for students attending said College, subject to such conditions and regulations as the governing body of said College may appoint, but with this proviso that said bursary shall be called the ‘ Mackenzie Bursary,’ and that students of the name of Mackenzie, Maclean, and Fraser shall have a preference in the selection of beneficiaries therefor.”

In 1891, by the will of the late JOHN P. MOTT, Esq., of Halifax, the following bequest was made to the College :—

“ I give and bequeath to the Board of Governors of Dalhousie College, or to such individuals or organization in whom or in which the control of such College shall be legally vested, the sum of ten thousand dollars, to be legally invested by the said Governors individuals or organization, and the proceeds applied for the benefit of such College, so long as it shall remain and continue to be a non-sectarian institution as at present.”

The following donations have been made to the Endowment Fund :

Hon. Sir William Young, W. J. Stairs, Esq., Hon. Stayley Brown, John Gibson, Esq., John P. Mott, Esq., Wm. P. West, Esq., Thomas

A. Ritchie, Esq., and Hon. Robert Boak, \$1,000 each; Adam Burns, Esq., Peter Jack, Esq., Hon. Jeremiah Northup, Prof. Lawson, and Alex. McLeod, Esq., \$500 each.

The following subscriptions have been made to the Building Fund:

Rev. Louis H. Jordan, \$1,000; John Doull, John S. McLean, R. Sedgwick, \$750 each; Thomas Bayne, John McNab, Adam Burns, Hon. R. Boak, Dr. Avery, \$500 each; President Forrest, \$375; James Forrest, \$300; Prof. John Johnson, Peter Jack, William Miller, Prof. Macdonald, \$250 each; Prof. MacGregor, A. & W. Mackinlay, \$225 each; Prof. Alexander, Judge Graham, \$200 each; James Scott R. B. Seeton, Rev. John McMillan, Wm. Robertson, J. C. Mackintosh, H. McD. Henry, John Y. Payzant, Pearson, Morrison & Forbes, \$150 each; J. J. Stewart, \$120; Rev. E. Scott, Peter Ross, H. W. C. Boak, Pictou Academy, \$100 each; Wm. B. Wallace, Arthur Drysdale, E. L. Newcombe, Alfred Costley, H. W. Barnes, Hugh McKenzie, \$75 each; W. C. Silver, Graham Fraser, \$50 each; E. McKay, \$30; J. M. Stewart, \$25; Rev. A. Falconer, \$20; J. H. Sinclair, Dr. J. Stewart, \$10 each. In all \$10,640.

The following donations have been made from time to time to meet current expenses:—

Hon. Sir William Young, \$500; John Doull, Esq., \$400; J. S. Maclean, Esq., \$300; J. Avery, Esq., M. D., Sir Sanford Fleming, Rev. Principal Grant, D. D., W. J. Stairs, Esq., Thos. Bayne, Esq., John Gibson, Esq., Rev. J. McMillan, B.D., and John McNab, Esq., \$200 each; James Scott, Esq., and A. K. Mackinlay, Esq., \$180 each; Hon. Robert Boak and the Medical Faculty, \$160 each; Rev. President Forrest, D. D., Hon. A. G. Jones, and George Thomson, Esq., \$150 each; A. Burns, Esq., \$125; J. J. Bremner, Esq., \$120; B. H. Collins, Esq., J. Donaldson, Esq., Prof. J. DeMille, Prof. J. Johnson, Prof. G. Lawson, Prof. J. Liechti, Alex. McLeod, Esq., Robt. Morrow, Esq., Hon. Jeremiah Northup, Joseph Northup, Esq., T. A. Ritchie, Esq., Rev. Principal Ross D. D., Ed. Smith, Esq., R. H. Skimmings, Esq., John Stairs, Esq., James Thomson, Esq., and Hon. Sir Charles Tupper, \$100 each; J. W. Carmichael, Esq., C. D. Hunter, Esq., Major-General Laurie Messrs. Lawson Harrington & Co., Prof. C. Macdonald, J. P. Mott, Esq., and Hon. Judge Ritchie \$80 each; G. P. Mitchell, Esq. and Hon. S. L. Shannon, \$60 each; J. B. Duffus, Esq., R. W. Fraser, Esq., Peter Jack, Esq., and W. H. Neal, Esq., \$50 each; with smaller sums amounting to \$1,349.

The following donations have been made from time to time for the purpose of providing scientific apparatus:—

Hon. Sir William Young, \$500; Alumni Association, \$605.31; Prof. J. G. MacGregor, \$200; J. F. Avery, Esq., M. D., Thomas Bayne, Esq., Hon. R. Boak, Alex. McLeod, Esq., John McNab, Esq., Hon. Jeremiah Northup, W. J. Stairs, Esq., and W. P. West, Esq., \$100 each; Thomas A. Brown, Esq., Messrs. Doull & Miller, Messrs. Esson & Co., John Gibson, Esq., Peter Jack, Esq., Prof. G. Lawson, J. S. Maclean, Esq., Robert Morrow, Esq., Hon. J. W. Ritchie, James Thomson, Esq., and a Friend, \$50 each; with smaller sums amounting to \$645.

The Governors and Alumni are now endeavoring to raise an additional endowment and also a special five years fund to meet current expenses. The following sums have been subscribed:—

For endowment—Thomas E. Fraser, \$600; James W. Carmichael, Prof. Macdonald, Prof. Lawson, Prof. Weldon, Prof. W. Murray, \$500

each; D. C. Fraser, M. P., J. M. Carmichael, George F. McKay, \$250 each; Sinclair & Patterson, \$240; Hugh McKenzie, C. H. Cahan, \$200 each; J F McLean, \$150; Israel Longworth, R. J. Turner, George Campbell, Mrs J. R. Dickie, J. C. Mahon, H. T. Sutherland, Senator McKay, \$100 each; C. A. Robson, \$75; Dr. Burns, \$60; Angus Chisholm, J. Heywood McGregor, P. A. McGregor, S. Fraser, J. H. McKay, W. R. Campbell, W. S. Muir, M. D., Martin Dickie, D. H. Smith, Angus Murray, F. A. Laurence, M. P. P., Wm. Donald, W. H. Magee, Ph. D., \$50 each; Rev. Dr. McCulloch, Rev. T. Cumming, Rev. A. B. Dickie, Donald Grant, Harvey Graham, E. B. Smith, C. M. Dawson, G. Clish, J. P. Archibald, T. M. McLelan, \$25 each; J. L. Jennison, \$20; H. W. J., \$10.

For Current Expenses—John Doull, and Adam Burns, \$2 500 each; W. J. Stairs, and Hon. R. Boak, \$1,250 each; Donald Keith, \$1,000; W. B. Ross, \$800; President Forrest, \$750; Prof. Johnson, T. Ritchie, B. Russell, Farquhar, Forrest & Co., Class of 1893 \$500 each; Prof MacGregor, \$400; Drysdale & McInnes, D A Campbell, M. D., Prof. D. A. Murray, \$300 each; R. L. Borden, Rev. John McMillan, J. C. Mackintosh, \$250 each; J. A. Turnbull, A. H. McKay, LL. D., and Prof. Liechti, \$200 each; George Campbell, M. D., \$150; W. Dennis, H. W. Barnes, W. & J. McDonald, \$125 each; James Thompson (Pictou), J. McG. Stewart, J. H. McKenzie, A. K. McLean, W. D. Cameron, G. S. Gampbell, \$100 each; E. M. McDonald, R. L. Schwartz, \$75 each; Rev. A. Rogers, \$60; C. M. Blanchard, Charles Morash, Thomas Notting, E. P. Allison, James D. McLean, Prof. A. G. Laird, Prof. J. E. Creighton, Victor Frazee, H. Mellish, T. J. Cahalane, Prof. A. S. Mackenzie, H. B. Stairs, G. Patterson, J. A. Mackinnon, G. E. Faulkner, \$50 each; Rev. G. M. Grant, H. S. Congdon, A. M. Morrison, Andrew Cluney, Miss Ida G. McDonald, Miss Minna Liechti, W. S. Thompson, Hedley Ross, Edward Annand, George E. Ross, Rev. G. S. Carson, P. C. C. Mooney, V. J. Paton, C. W. Lane, A. Roberts, D. Stewart, M. D., R. Currie, H. V. Jennison, R. O. Bayer, \$25 each; A. J. McDonald, \$20; J. A. Grierson, \$15; W. W. Walsh, Rev. J. W. McLennan, Rev. J. C. Herdman, Rev. J. A. McGlashen, \$10 each.

The following contributions to the Library for the purchase of books and to meet current expenses have been made since 1892:—Prof. J. Seth (proceeds of course of lectures), \$245; Prof. A. MacMechan (proceeds of courses of lectures), \$573; Faculty of Arts, \$220; Alumni Association, \$177.46; English Class (proceeds of dramatic recitals), \$60.44; Friend of the College, \$75; H. McInnes, LL. B., \$40; Class of '94, \$40; Lecturers on Education, \$48; Philomathic Society, \$20; Class of '97, \$53; Class of '95, \$50; S. A. Morton, Esq., M. A., \$12; Class of '96, \$210; Class of '98, \$70; Class of '99, \$114 75; "Three Friends," \$30.

For other benefactions, see under headings; Library, and Museum.

In addition to the members of the present staff, the following have been Professors or Lecturers in the University:

- REV. THOMAS McCULLOCH, D. D., 1838-43, President and Professor of Moral Philosophy, Logic and Rhetoric.
- REV. ALEXANDER ROMANS 1838-42, Professor of Classics
- REV. JAMES McINTOSH, 1838 44, Professor of Mathematics and Natural Philosophy.
- REV. FREDERICK TOMPKINS, M. A., LL. D. (Lond.), now Barrister, London, G. B., 1856-57, Professor of Mathematics and Natural Philosophy.

- REV. GEORGE CORNISH, M. A., LL. D., late Professor of Classics, McGill University, 1856-57, Professor of Classics.
- THOMAS McCULLOCH, 1863-65, Professor of Natural Philosophy.
- ALEX. G. HATTIE, M. D., Lecturer on Obstetrics, 1868-70.
- HON. WM. J. ALMON, M. D. (Glasg.), Lecturer on Obstetrics, 1868-70, and President of the first Medical Faculty from 1868-75.
- ALFRED H. WOODILL, M. D., Lecturer on Materia Medica, 1868-75.
- WILLIAM B. SLAYTER, M. R. C. S. (Eng.), L. R. C. P. (Lond.), F. O. S. L., Professor of Obstetrics and Diseases of Women and Children, 1870-75.
- HUGH A. GORDON, M. D., L. R. C. S. (Edin.), Professor of Anatomy, 1870-73; Professor of Medicine and Clinical Medicine, 1873-75.
- JAMES R. DEWOLF, M. D. (Edin.), L. R. C. S. (Edin.), Professor of Medical Jurisprudence, 1870-75.
- HIRAM BLANCHARD, ESQ., Q. C., Professor of Medical Jurisprudence, 1870-75.
- ARCHIBALD LAWSON, M. D., M. R. C. S. (Eng.), Professor of Surgery and Clinical Surgery, 1873-75.
- JOHN JAMES MCKENZIE, M. A., PH. D., 1877-79, Professor of Physics.
- HERBERT A. BAYNE, M. A., PH. D., F. R. C. S., late Professor of Chemistry, Royal Military College, Kingston, Ont., 1877-79, Lecturer on Organic Chemistry and Chemical Analysis.
- JAMES DEMILLE, A. M., 1866-80, Professor of Rhetoric and History.
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- J. G. SCHURMAN, M. A., D. Sc., now President of Cornell University, 1882-86, Professor of English Literature and Metaphysics.
- HON. SIR J. S. D. THOMPSON, LL. D., late Premier of Canada and Minister of Justice, 1883-88, Lecturer on Procedure and Evidence.
- HON. ROBERT SEDGEWICK, LL. D., Judge of the Supreme Court of Canada, 1883-88, Lecturer on Equity and Jurisprudence.
- W. J. ALEXANDER, B. A., PH. D., now Professor of English in the University of Toronto, 1884-89, Professor of English Language and Literature.
- REV. WM. LYALL, LL. D., F. R. S. C., 1863-90, Professor of Philosophy.
- HON. S. L. SHANNON, D. C. L., Q. C., 1883-91, Lecturer on Real Property; Examiner in Medical Jurisprudence, 1890-92.
- HON. W. GRAHAM, A. B., Judge of the Supreme Court, 1892-92, Lecturer on Insurance.
- J. Y. PAYZANT, A. M., 1884-92, Lecturer on Torts.
- HON. C. J. TOWNSHEND, B. A., B. C. L., Judge of the Supreme Court, 1888-92, Lecturer on Equity Jurisprudence.
- A. H. MCKAY, B. A., B. Sc., LL. D., F. R. S. C., now Superintendent of Education, 1891-92, Lecturer on Zoology.
- JAMES SETH, M. A., now Professor of Moral Philosophy, Edinburgh University; 1886-92, George Munro Professor of Philosophy.
- E. L. NEWCOMBE, B. A., LL. B., now Deputy Minister of Justice, 1892-93, Lecturer on Marine Insurance.
- WILLIAM B. ROSS, Q. C., 1892-94, Lecturer on Torts.
- GEORGE LAWSON, PH. D., LL. D., F. I. C., F. R. S. C., 1863-95, Professor of Chemistry and Mineralogy, and Lecturer on Botany.
- W. J. KARSLAKE, PH. D. (J. H. U.), now Professor of Chemistry, Butler College, Irvington, Ind., U. S. A., 1895-96, Lecturer on Chemistry.
- JOHN SOMERS, M. D., Professor of Physiology, 1870-75; Examiner in Physiology, 1888-90; Examiner in Medicine, 1890-98.

# Dalhousie College & University.

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- C. E. W. DODWELL, B. A. (Vind.), M. I. C. E., M. C. S. C. E., Resident Engineer Public Works of Canada, *Lecturer on Hydraulic Engineering.*
- RODERICK MCCOLL, M. Can. Soc. C. E., Assistant Provincial Engineer, *Lecturer on Surveying.*
- GEORGE RITCHIE, LL. B. (Harv.), *Lecturer on Real Property and Conveyancing.*
- WILLIAM S. MUIR, M. D., C. M. (Dal.) L. R. C. P. (Edin.), L. R. C. S. (Edin.), *Examiner in Materia Medica and Therapeutics.*
- WILLIAM TOBIN, F. R. C. S. (Ire.), *Examiner in Ophthalmology Otology and Laryngology.*
- HON. H. MCD. HENRY, Judge Supreme Court, *Examiner in Medical Jurisprudence.*
- WALTER C. MURRAY, M. A. (Edin.), *George Munro Professor of Philosophy and Lecturer on Theory of Education.*
- ALEX. MCKAY, ESQ., Supervisor of Public Schools, *Lecturer on Practice of Education.*
- LOUIS M. SILVER, M. B., C. M. (Edin.), *Examiner in Physiology, and Histology.*
- F. W. GOODWIN, M. D., C. M. (Hal. Med. Coll.), *Examiner in Materia Medica and Therapeutics.*
- HECTOR MCINNES, LL. B. (Dal.), Barrister, *Lecturer on Procedure.*
- S. A. MORTON, M. A. (Dal.), *Lecturer on Descriptive Geometry.*
- F. U. ANDERSON, L. R. C. P. (Edin.), M. R. C. S. (Eng.), *Examiner in Anatomy.*
- J. W. LOGAN, B. A. (Dal.), *Lecturer on Classics.*
- CHAS. H. CAHAN, B. A. (Dal.), LL. B. (Dal.), Barrister, *Lecturer on Torts.*
- CHARLES ARCHIBALD, M. E., *Lecturer on Mining.*
- ALEXANDER DICK, M. E., *Lecturer on Mining.*
- H. W. JOHNSTON, C. E. (R. M. C.), *Lecturer on Surveying.*
- W. T. KENNEDY, Principal County Academy, *Lecturer on School Management and School Law.*
- G. J. MILLER, Principal Dartmouth High School, *Lecturer on History of Education.*
- EBENEZER MACKAY, B. A. (Dal), PH. D. (J. H. U.), *McLeod Professor of Chemistry, and Lecturer on Mineralogy.*
- A. HALLIDAY, M. B., C. M. (Glasg.), *Lecturer on Zoology.*
- C. H. PORTER, JR., Director of Halifax Cons. of Music, *Examiner in Theory of Music.*
- F. H. TORRINGTON, Director of Toronto Coll. of Music, *Examiner in Theory of Music.*
- REV. R. LAING, M. A. (McGill), President of Halifax Ladies' College, *Examiner in History of Music.*
- W. H. HATTIE, M. D., C. M., (McGill), *Examiner in Pathology and Bacteriology.*
- , *Lecturer on Botany.*

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*Librarian* : PROFESSOR WALTER C. MURRAY:

*Curator of the Museum* : PROFESSOR E. MACKAY.

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*Instructor in Gymnastics* : SERGT.-MAJOR LONG.

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*Janitor* : GEORGE PRICE.



# Faculty of Arts.

THE PRESIDENT.

CHARLES MACDONALD, M. A.

JOHN JOHNSON, M. A.

JAMES LIECHTI, M. A.

J. GORDON MACGREGOR, D. SC.

ARCHIBALD MACMECHAN, PH. D.

WALTER C. MURRAY, M. A.

HOWARD MURRAY, B. A.

EBENEZER MACKAY, PH. D.

J. W. LOGAN, B. A.

*Secretary to the Faculty*—PROFESSOR MACMECHAN.

*Registrar to the Faculty*—PROFESSOR LIECHTI.

Correspondence should be addressed :

“ *The Secretary, Faculty of Arts,  
Dalhousie College, Halifax, N. S.* ”

## § I.—Courses of Instruction.

### 1.—CLASSICS.

(*McLeod Professorship.*)

*Professor*.....HOWARD MURRAY, B. A.

#### First Latin Class.

*Mondays, Wednesdays and Fridays, 10—11 A. M.*

Subjects of study :

Cicero, *Orations against Catiline*; Virgil, *Aeneid*, Book VI; \*Sallust, *Conspiracy of Catiline*. Latin Prose Composition. Exercises in Sight Translation. Roman History to the battle of Actium.

*Books recommended*: Cicero, *Orations against Catiline*, (Wilkins's, Macmillan, N. Y., 60 cents). Virgil, *Aeneid*, Book VI, (Page's, Macmillan, N. Y., 40 cents). Sallust, *Conspiracy of Catiline*, (Turner's, Longmans, N. Y., 60 cents). Bradley's *Arnold's Latin Prose Composition*. Smith's *Smaller History of Rome*, (Harper's, N. Y.). Bennett's *Latin Grammar*, (Allyn & Bacon, Boston, 80 cents), or Allen and Greenough's, (Ginn, Boston, \$1.20).

\* For private reading by students seeking First or Second Class Distinction.

Passages for translation at sight will be set in all examinations.

## Second Latin Class.

*Mondays, Wednesdays and Fridays, 11 A. M.—12 M.*

Subjects of study :

Livy, Book I; Horace, *Odes*, Books I and II; \*Horace, *Odes*, Books III and IV. Latin Prose Composition. Exercises in Sight Translation. Grecian History to the death of Alexander.

*Books recommended* : Livy, Book I, (Rolfe's [text with indicated quantities], Allyn & Bacon, Boston, 25 cents). Horace, *Odes*, (Page's, in Macmillan's Classical Series, each book 50 cents, or Books I—IV, in one volume, \$1.25). Bradley's Arnold's *Latin Prose Composition*. Smith's *Smaller History of Greece*, (Harpers, N. Y.).

## Third Latin Class.

*Mondays and Wednesdays, 12 M.—1 P. M.*

Subjects of study :

Tacitus, *Histories*, Book I; Horace, *Satires*, (selected); \*Cicero, *Pro Cluentio*. Latin Prose Composition. Exercises in Sight Translation.

*Books recommended* : Tacitus, *Histories*, Book I, (Godley's, Macmillan, 90 cents). Horace, *Satires*, (Palmer's, Macmillan, \$1.25). Cicero, *Pro Cluentio*, (Ramsay's, Macmillan, 90 cents).

## First Greek Class.

*Tuesdays and Thursdays, 10—11 A. M.*

Subjects of study :

Xenophon, *Hellenica*, Books I and II; \*Xenophon, *Cyropaedia*, Book I. Greek Prose Composition. Exercises in Sight Translation.

*Books recommended* : Xenophon, *Hellenica*, Books I and II, (Underhill's, Macmillan, 75 cents). Xenophon, *Cyropaedia*, Book I, (Bigg's, Macmillan, 50 cents). Fletcher and Nicholson's *Greek Prose Composition*. Sonnenschein's *Greek Accidence*, (published by Swan Sonnenschein & Co., London, 2s.), or Goodwin's *Greek Grammar*, (Ginn & Co., Boston, \$1.25).

## Second Greek Class.

*Tuesdays and Thursdays, 11 A. M.—12 M.*

Subjects of study :

Homer, *Odyssey*, Book IX; Lysias, *Oration*s, (selected). \*Demosthenes, *Olynthiacs*. Greek Prose Composition. Exercises in Sight Translation.

*Books recommended* : Homer, *Odyssey*, Book IX, (Edward's Macmillan, 60 cents). Lysias, *Select Oration*s, (Bristol's. Allyn & Bacon, Boston, \$1.00). Demosthenes, *Olynthiacs*, (Abbott & Matheson's, Macmillan, N. Y., 75 cents). Fletcher and Nicholson's *Greek Prose Composition*.

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\*For private reading by students seeking First or Second Class Distinction.

Passages for translation at sight will be set in all examinations.

## Third Greek Class.

Tuesdays and Thursdays, 12 M.—1 P. M.

Subjects of study :

Demosthenes, *Philippics*, I—III; Euripides, *Medea* :  
\*Homer, *Odyssey*, Books IX—XII. Greek Prose Composition.  
Exercises in Sight Translation.

*Books recommended* : Demosthenes, *Philippics*, (Abbott & Matheson's, Clarendon Press, 2s. 6d.). Euripides, *Medea*, (Verrall's, in Macmillan's Classical Series, 60 cents). Homer, *Odyssey*, Books IX—XII, (Perrin & Seymour's School Odyssey, Ginn & Co., Boston, \$1.50).

## Advanced Class.

Professor.....HOWARD MURRAY, B. A.  
Lecturer.....J. W. LOGAN, B. A.

Three or four times a week.

In this class a portion of the Latin and Greek subjects prescribed for the Special Course in Classics is read, and Prose Composition is regularly practised.

## II.—NEW TESTAMENT GREEK.

The classes and examinations in New Testament Greek, conducted by Professor R. A. FALCONER, M. A., B. D., in the Halifax Theological College are recognized as qualifying for a degree. Similar classes in other Theological Colleges approved by the Faculty are also recognized for the same purpose.

## First Year Class.

Daily, 12.30 P. M.

The work of this class consists of the interpretation of the Gospels, especially those of St. Luke and St. John. Lectures are also given on the language of the New Testament, the principles of textual criticism, introduction to the Gospels, and the condition of the Jewish world at the time of Christ.

*Text-books* : Stevens and Burton's Harmony of the Gospels, or Huck's Synopse der drei ersten Evangelien. Hammond's Textual Criticism of the New Testament.

*Books recommended* : S. G. Green's Grammar of N. T. Greek. Burton's New Testament Moods and Tenses. Plummer on the Gospel of St. Luke. Westcott on the Gospel of St. John.

## III.—HEBREW.

The classes and examinations in Hebrew, conducted by Professor JOHN CURRIE, D. D., in the Halifax Theological College, are recognized as qualifying for a degree. Similar

\*For private reading by students seeking First or Second Class Distinction.

Passages for translation at sight will be set in all examinations.

classes in other Theological Colleges approved by the Faculty, are also recognized for the same purpose.

*Daily, 9.15—10.30 A. M.*

*Text book:* Davidson's Introductory Hebrew Grammar, with Progressive Exercises in Reading and Writing, (T. & T. Clarke, Edinburgh, 7s. 6d.).

The aim of the course is, by a thorough drill in paradigms, exercises in reading and writing, to impart a fair knowledge of inflection and syntax, and the ability to read at sight easy parts of the Hebrew Scriptures.

*Books recommended:* Gesenius' Hebrew Grammar, revised edition Mitchell, (Bradley & Woodruff, Boston, \$3.). Green's Hebrew Grammar, new edition, unabridged (Wiley and Sons, New York, \$3.). Harper's Introductory Hebrew Method and Manual, latest edition, (American Publication Society of Hebrew, Chicago). Robinson's Gesenius' Hebrew Lexicon, (Houghton Mifflin & Co., Boston, \$6.).

#### IV.—MODERN LANGUAGES.

(*McLeod Professorship.*)

*Professor*.....JAMES LIECHTI, M. A.

##### First French Class.

*Tuesdays and Thursdays, 3—4 P. M.*

Subjects of study :

Macmillan's *Progressive French Reader*, II<sup>d</sup> year, (Fasnacht). Molière: *Le Bourgeois Gentilhomme*, (Macmillan & Co.). Scribe: *Bataille de Dames* (Macmillan & Co.). Exercises in Grammar and Composition, (Fasnacht's First Course by Macmillan & Co.).

Additional for a First-Class position: Saintine, *Picciola*, First 10 chapters; or Scribe: *Bertrand et Raton*, Acts I and II; or Octave Feuillet: *Le Roman d'un jeune homme pauvre*, First fifteen chapters.

*Text-books:* Brachet's Public School Elementary French Grammar. Other Text Books required will be announced at the opening of the Session.

##### Second French Class.

*Tuesdays and Thursdays, 2—3 P. M.*

For 1898-99. Molière: *L'Avare*. Racine: *Esther*. Ponsard: *Charlotte Corday*, or *L'Honneur et l'Argent*, (Macmillan & Co.). Translation from English writers. Exercises in Syntax. Translation of unspecified passages from modern authors. French Composition.

For 1899-1900. Molière: *Les Précieuses Ridicules*. Racine: *Athalie*, (Macmillan & Co.). Corneille: *Cinna*. Translation from English writers. Exercises in Syntax. Translation of unspecified passages from modern authors. French Composition.

Molière's *Misanthrope* (Macmillan & Co.), and either Madame de Staël's *L'Allemagne*, First 20 chapters, or Molière's *Bourgeois*

*Gentilhomme*, III and IV Acts, are prescribed for private reading to candidates for a First Class position.

*Text Books*: As in First Class. Outlines of the History of French Literature (Saintsbury's Primer).

#### Third French Class.

*Tuesdays and Thursdays, 9—10 A. M.*

Subjects in study :

For 1898-99. Molière: *Les femmes savantes*. Racine: *Iphigénie*. Corneille: *Le Cid*. (Macmillan & Co.). Translation from English writers. French Composition, 2nd course, by Eugène Fasnacht (Macmillan & Co.). Translation of unspecified passages from modern authors.

*Text Books*: As in Second Class. Masson: *Littérature française*.

For 1899-1900. Corneille: *Horace*. Racine: *Phèdre*. Molière: *Le Médecin malgré lui*. Translation from English writers. French Composition, 2nd course, by Eugène-Fasnacht (Macmillan & Co.). Translation of unspecified passages from modern authors.

Molière's *Tartufe*, Acts I and II, (Macmillan & Co.), and either Victor Hugo's *Les Travailleurs de la Mer*, Chapters I to V (incl.) (Rivington's), or Madame de Staël's *Corinne ou l'Italie*, livres I to V (incl.), are prescribed for private reading to candidates for a First Class position. Fourth French; Molière: *L'École des maris* and *L'École des femmes*, (I Act of each).

#### First German Class.

*Mondays, Wednesdays and Fridays, 3—4 P. M.*

Subjects of study :

Buchheim: *German Reader*, Part II. Schiller: *Wilhelm Tell* (Macmillan & Co.). Additional for a First Class position: Gustav Freytag: *Die Journalisten*, Act I, (Macmillan & Co.), or Helene Stökl: *Unter dem Christbaum*, (D. C. Heath & Co.), or Schiller: *Wilhelm Tell*, II and III Acts. Exercises in Grammar and Composition. Elementary German Prose Composition, by E. S. Buchheim, (Clarendon Press).

*Text Books*: Whitney's German Grammar (Macmillan & Co.). Other Text Books required will be announced at the opening of the Session.

#### Second German Class.

*Mondays, Wednesdays and Fridays, 2—3 P. M.*

Subjects of study :

For 1898-99. Goethe: *Egmont*. Schiller: *Maria Stuart*, (Macmillan & Co.). Translations from English writers. Original Compositions. Translations of unspecified passages from modern authors. German Prose Composition, to be announced.

*Text Books*: As in First Class. Critical outline of the Literature of Germany by Alb. Seiss, Ph.D. (Longmans, Green & Co.).

For 1899-1900. Goethe: *Hermann und Dorothea* (Clarendon Press). Lessing: *Minna von Barnhelm* (Macmillan & Co.).

Translations from English writers. Original Compositions. Translations of unspecified passages from modern authors. German Prose Composition, to be announced.

Schiller's *Jungfrau von Orleans*, Prolog, and Act I, and either Heine's *Prosa: Die Harzreise* (Macmillan & Co.), or Schiller's *Historische Skizzen* (Clarendon Press), are prescribed for private reading to candidates for a First Class position.

#### Third German Class.

*Mondays, Wednesdays and Fridays, 9—10 A. M.*

Subjects of study :

For 1898-99. Lessing: *Nathan der Weise* (Macmillan & Co.). Goethe: *Götz von Berlichingen* (Macmillan & Co.). Prose composition Translation of unspecified passages from modern authors.

For 1899-1900. Lessing: *Minna von Barnhelm* (Macmillan & Co.). Goethe: *Iphigenie auf Tauris*. Prose composition. Translation of unspecified passages from modern authors.

Schiller's *Wallenstein's Tod*, Act I, 4th Scene; Act II, 2nd and 3rd Scenes; Act III, 18th Scene; (George Bell & Sons) and either Goethe's *Faust: Prolog im Himmel*, and first three scenes of Part I, (by Jane Lee: Macmillan & Co.), or Heine's *Harzreise* (Macmillan & Co.) are prescribed for private reading to candidates for a First Class position.

*Text Books:* As in Second Class.

#### Fourth German Class.

*Twice a week.*

Subjects of study :

Schiller: *Lyrische Gedichte*, Goethe's *Faust*, Part I, (by Jane Lee: Macmillan & Co.). Prose Composition. Translation of unspecified passages from modern authors. Seiss' German Literature.

Private reading for a First Class position · Schiller's *Wallenstein's Lager*, and Lessing's *Sarah Sampson*, or Schiller's *Geisterscher*.

#### Advanced German Class.

*Twice a week.*

The subjects studied in this class will be those prescribed for the special course of English and German (§ viii (8)). The course will extend over two years.

1898-99. Middle High German: Grammar (Wright's Middle High German Primer). Selections from Wackernagel: *Kleineres Altdeutsches Lesebuch*. Selections from authors of the 18th century. Prose composition.

1899-1900. Middle High German: Grammar (Paul's Grammar). Selections from Wackernagel: *Kleineres Altdeutsches Lesebuch*. Selections from Swiss and Plattdeutsch dialect literature. Selections from authors of 16th and 17th centuries. Prose composition.

Other text books will be announced at the opening of the Session.

## V.—ENGLISH LANGUAGE AND LITERATURE.

(George Munro Professorship.)

Professor..... ARCHIBALD MACMECHAN, PH. D.

The course in English is mainly literary; the method pursued is historical. The different periods are studied in the representative works of the period; and in all cases actual acquaintance with the texts precedes criticism upon them. This part of the course is intended to furnish the student with an outline picture of English literature from Chaucer to Tennyson. The work for "class distinction" is meant to broaden the knowledge of more ambitious students. The essential facts of Historical English Grammar are taught by means of lectures in the Second Year. In Composition, practice precedes theory, and exercises in the class-room take the place of "essays" compiled at home; the writing of reports forms part of this work. In the Advanced Class the aim of the instruction is to acquaint the student with the grammar of Old and Middle English, and to widen his knowledge of Elizabethan literature.

## First Class.

*Tuesdays and Thursdays, 12—1 P. M.*

COMPOSITION.—Christmas Term; imitative exercises in the construction of narrative and descriptive paragraphs. Spring Term; exercises based chiefly on personal experience.

LITERATURE—Eighteenth Century: Prose. *Addison*: Papers contributed to the Spectator. *Johnson*: Life of Pope. (*Macaulay*: Samuel Johnson). Poetry. *Dryden*: MacFlecknoe, St. Cecilia's Day, Alexander's Feast. *Pope*: Rape of the Lock. *Gray*: Elegy in a Country Churchyard. *Goldsmith*: Traveller, Deserted Village. *Burns*: Twa Dogs, Cotter's Saturday Night.

For reference: *Gosse*: History of Eighteenth Century Literature.

Candidates for Class Distinction will be examined in these additional works, which are not read in class. *Dryden*: Absalom and Achitophel. *Pope*: Essay on Man. *Johnson*: Lives of Dryden, Addison and Gray.

Two reports on private reading, assigned by the instructor, are required from each student.

*Books recommended*: Hale's Longer English Poems (containing all the poetry read in class); Addison, ed. T. Arnold; (Clarendon Press Series); Johnson's Six Chief Lives; ed. M. Arnold.

PARALLEL READING.—As a preparation for this course, the student is recommended to read the following works:—*Thackeray*: *English Humorists, Congreve and Addison. The History of Henry Esmond*, (Bk. II, cap. xi. at least). *Macaulay, The Comic Dramatists of the Restoration, Addison.*

## Second Class.

*Mondays, Wednesdays and Fridays, 12—1 P. M.*

COMPOSITION.—Lectures on the Principles of Narration, Description and Exposition. Exercises.

LITERATURE.—Elizabethan, *Shakspeare*: King John, Hamlet, As You Like it. *Milton*: Comus, L'Allegro, Il Penseroso, Lycidas, Sonnets. Paradise Lost, Bks. I—II. Lectures.

ENGLISH LANGUAGE.—A short course of Lectures on the History of the English Language, at the end of the Spring Term.

For reference. *Saintsbury*: History of Elizabethan Literature.

A report on private reading assigned by the instructor, is required from each student. Candidates for Distinction are required to present a second report.

Candidates for Class Distinction will be examined in the following plays, which are not read in class: Henry V., Julius Cæsar, Twelfth Night.

PARALLEL READING. As a preparation for this course, the student is recommended to read the following works:—Kingsley: *Westward Ho!* Scott, *Kenilworth*. Hentzner, *Travels in England*. Harrison, *Description of England*. (Scott Library, W. Scott). Macaulay, *Milton*.

#### Third Class.

*Tuesdays and Thursdays, 10—11 A. M.*

LITERATURE.—Middle English and Pre-Shakspearean. *Chaucer*: Prologue, Knightes Tale and Nonne Prestes Tale. Sweet's Middle English Primer. II. *Spenser*: Færie Queene, Bks, I, II. *Marlowe*: Dr. Faustus. Lectures.

History of Literature: Pollard, Chaucer Primer. For reference, *Lounsbury, Ten Brink*. *Morley*: English Writers, V.

For Distinction. *Chaucer*: Minor Poems, The Prioress's Tale, Sir Topas, The Monk's Tale, The Squire's Tale.

#### Fourth Class.

*Tuesdays and Thursdays, 4—5 P. M.*

LITERATURE.—Nineteenth Century. *Scott*: Old Mortality, Marmion. *Bryon*: Poems selected and edited by Matthew Arnold. *Wordsworth*: ed. Ed. Dowden (*Athenæum Press Series*). *Tennyson*: The Lady of Shalott, Oenone, Lotus-Eaters, A Dream of Fair Women, Morte d'Arthur, Dora, Sir Galahad, The Lord of Burleigh, Ulysses, Ode on the Duke of Wellington. *Browning*: My Last Duchess, Lost Leader, Andrea del Sarto, The Bishop Orders his Tomb, Epistle of Karshish, The Italian in England. *Ruskin*: Sesame and Lilies. *Carlyle*: Sartor Resartus: ed. A. MacMechan, (*Athenæum Press Series*).

History of Literature. *Saintsbury*: History of Nineteenth Century Literature: *Herford*, Age of Wordsworth. *Oliphant*: Literary History of England.

For Distinction. A thesis on a subject assigned by the instructor.

This subject may be assigned at the end of the previous session, and completed during the summer vacation. It should



in any case, be selected at the beginning of the session in which the student intends to present it, and is intended to embody the results of an original literary investigation. The following are the titles of representative theses which have been accepted: Chatterton, *A Study in Style*; The Relation of "Tristram Shandy" to "The Anatomy of Melancholy;" Tennyson's Treatment of Colour in "The Idylls of the King;" "Alastor," edited with Introduction and Notes. The theses must be written on special thesis paper and bound. They become the property of the college.

**Advanced Class.**

*Three times a week.*

Development of English Language and Literature to the year 1300, with special study of select works in Elizabethan drama and prose. (§ viii, 6).

**VI.—HISTORY AND POLITICAL ECONOMY.**

*(George Munro Professorship.)*

Professor..... REV. PRESIDENT FORREST.

**Junior History Class.**

*Mondays, Wednesdays and Fridays, 11 A. M.—12 M.*

Subjects of study :

Mediæval History and Modern History to 1555.

The class work will be conducted by means of lectures and examinations on prescribed reading. A detailed syllabus with references and passages prescribed for reading will be given to students on the opening of the class.

Candidates for First Class Distinction will be examined on Hallam's Middle Ages, Bryce's Holy Roman Empire, and Introductory Sections of Robertson's Charles V.

*Books recommended :* Gibbon's Decline and Fall of the Roman Empire; Hallam's Middle Ages; Bryce's Holy Roman Empire; Irving's Mahomet and His Successors; Guizot's History of Civilization; Michaud's History of the Crusades; Robertson's Charles V.; Stubb's Constitutional History of England; Labberton's Historical Atlas.

**Senior History Class.**

*Tuesdays and Thursdays, 11 A. M.—12 M.*

Subjects of study :

Modern History from 1555.

The class work will be conducted by means of lectures and examinations on prescribed reading. In the lectures, books of reference will be named and select portions specified for reading.

Disputed points will be marked out for special study and students required to examine authorities and weigh conflicting opinions, and thus learn to study history critically for themselves.

Candidates for First Class Distinction will be examined on Green and Guizot, and a few chapters to be specified in other works.

*Books recommended:* Green's England, vol. iv.; Guizot's France (Mason's Abridgement); Menzel's Germany; Motley's Dutch Republic; Bancroft's United States; McMaster's History of the People of the United States; Parkman's France and England in North America; Labberton's Historical Atlas.

#### Advanced History Class.

*Once a week.*

Subjects for study.

English History from 1603 to 1688.

The work of this class will be conducted by means of lectures and examinations on reading prescribed from Clarendon, Gardiner, Green, Hallam, Ranke, Lingard, and other authorities.

This class is intended especially for undergraduates taking the Special Course in English and English History.

#### Political Economy Class.

*Tuesdays and Thursdays, 10-11 A. M.*

The work of this class will be conducted by means of lectures and examinations on prescribed reading.

The lectures will generally follow the order of arrangement of Mills' Principles of Political Economy. 1.—THE NATURE OF WEALTH. Analysis of fundamental conceptions of wealth, &c. 2.—PRODUCTION OF WEALTH: Labor, Capital, Population and their relations to each other. 3.—DISTRIBUTION OF WEALTH: Wages, Profits, Rent, Socialism, Labor Unions, Land Tenure. 4.—EXCHANGE: Value, Money, Banking. 5.—RELATIONS OF GOVERNMENT TO TRADE AND INDUSTRY: Tariffs, Taxation.

Particular attention will be given to problems of the day. Protection and Free Trade, Trade Unions, Combines, Bimetallism. Each student is required to read the whole of Mill's Principles together with prescribed passages from leading economists and current literature on the subjects. Weekly examinations will be held on the prescribed reading.

Candidates for First Class Distinction will be examined on additional work, which will be announced at the beginning of the Session.

*Text Book:* Mill's principles of Political Economy.

#### Advanced Political Economy Class.

*Twice a week.*

The work of this class will consist of lectures, entering into the Principles of Political Economy more fully than in the ordinary class, with examinations on reading prescribed in the works of leading writers on the subject.

## VII.—CONSTITUTIONAL LAW AND CONSTITUTIONAL HISTORY.

The classes in Constitutional Law and Constitutional History, conducted by Prof. Weldon in the Faculty of Law, and the examination conducted in these subjects by the Faculty of Law, are recognized as qualifying for a degree.

## VIII.—CONTRACTS.

The class in Contracts, conducted by Professor Russell in the Faculty of Law, and the examinations conducted in this subject by the Faculty of Law, are recognized as qualifying for a degree.

## IX.—PHILOSOPHY.

(George Munro Professorship.)

Professor.....WALTER C. MURRAY, M. A.

### Junior Philosophy.

*Tuesdays and Thursdays, 12 - 1 P. M., Fridays, 4-5 P. M.*

The work of this class will consist of two courses of lectures, one on Logic, the other on Psychology, with essays, discussions, and oral examinations.

The work in the course on Logic will be selected so as to afford the best possible mental training. In the Psychological course, experiments will be introduced as much as possible to supply a basis for the theory and for the purpose of illustration. Especial attention will also be given to the connection between Psychology and Educational methods.

*Text Books:* Fowler's *Deductive and Inductive Logic*, or Jevons *Elementary Lessons in Logic*; Mill's *System of Logic*; Titchener's *An Outline of Psychology* or *Primer of Psychology* or James' *Psychology* (briefer course). Students especially interested in education are recommended to read Sully's *Teachers' Hand-Book to Psychology*. Reading for Distinction—Berkeley: *Theory of Vision, Divine Visual Language, Principles of Human Knowledge*, §1-33 (with Fraser's Introduction).

### Senior Philosophy.

*Mondays and Wednesdays, 10-11 A. M.*

This course of lectures is intended to serve as an introduction to Metaphysics. After a preliminary sketch of the principal problems of Metaphysics, the development of modern Philosophy from Locke is studied first in Locke's *Essay*, Berkeley's *Principles of Knowledge and Siris*, Reid's *Inquiry*. (Sneath's Edition,) Hume's *Treatise* and Watson's *Comte, Mill and Spencer*.

*Books:* Seth (A): *Scottish Philosophy*; Locke: *Essay* (Fraser's Edition or Ward, Locke & Co.'s.) Berkeley: *Selections* by Fraser; Hume: *Treatise*, (Edited by Green & Grose, or by Selby-Bigge) and *Inquiry* (Selby-Bigge's Edition); Reid: *Works* (ed. by Hamilton), and *Inquiry* (Sneath's Edition); Blackwood's *Philosophical Classics*: Falckenberg's or Weber's or Erdmann's, or Windelband's, or Ueberweg's, or Schwegler's *History of Philosophy*. *Subject for First Essay:* Schurman's *Agnosticism*, (Scribners).

## Greek Philosophy.

Mondays and Fridays, 3—4 P. M.

For 1898-'99:—In this course an introductory sketch of the development of Greek Philosophy from Thales is followed by a critical study of Plato's *Apology*, *Crito*, *Phædo*, *Republic*, *Theætetus*; and Aristotle's *Ethics*.

*Text Books*: Ferrier: *Lectures on Early Greek Philosophy*; Church's *Translation of Apology, Crito and Phædo* (Golden Treasury Series) Davies and Vaughan's *Translation of Republic*, (G. T. S.) Aristotle's *Ethics* (The Scott' Library, or Peters' Translation.)

*Books Recommended*: Zeller: *Greek Philosophy*; Burnet: *Early Greek Philosophy*; Bosanquet: *Companion to Plato's Republic*; Nettleship: *Philosophical Lectures and Remains*; Jowett's *Translation of Plato's Dialogues*; Pater: *Plato and Platonism*; Wallace: *Epicureanism*; Hegel: *History of Philosophy*.

*Reading for Distinction*: Green: *Prolegomena to Ethics*, Bks. III. and IV.; *Subject for First Essay*: Rousseau: *Social Contract* (Sonnenschein Soc. Sci. Ser.) or More's *Utopia or Ideal Commonwealth's* (Morley's Universal Library.)

## Moral Philosophy.

Mondays and Fridays, 3—4 P. M.

For 1899-1900. This course of lectures attempts a systematic presentation of the Principles of Moral Philosophy. The divisions of the subject are taken up in the following order:—

The Moral Ideal. The Metaphysic of Morality. The Moral Life. Moral Institutions.

*Text Book*: Seth (J.): *Ethical Principles*.

*Books recommended*: Dewey: *Outlines of Ethics, Study of Ethics*; Muirhead: *Elements of Ethics*; Mackenzie: *Manual of Ethics*; Clarke Murray: *Introduction to Ethics*; D'Arcy: *Short Studies of Ethics*; Sidgwick: *Methods of Ethics*; Green: *Lectures on Political Obligation* (edited by Bosanquet); Mill: *Utilitarianism*; Spencer: *Data of Ethics*.

*Reading for Distinction*: Green: *Prolegomena to Ethics*, Bks. I & II.

## Advanced Philosophy.

Tuesdays and Thursdays, 3—4 P. M.

For 1897-98, the subject of this course was Kant's Philosophy. *The Prolegomena*, *Critiques of Pure Reason*, of *Practical Reason* and of *Judgment*, were studied.

*Translations recommended*: Watson's *Selections*; Mahaffy and Bernard: *Prolegomena*; Max Müller: *Critique of Pure Reason*; Abbott: *Theory of Ethics*; Bernard: *Critique of Judgment*.

*Commentaries and Expositions recommended*: Stirling's *Text-Book to Kant*; K. Fischer: *Kant*; Caird: *Critical Philosophy*; Watson: *Kant and his English Critics*; and Comte, Mill and Spenser. Adamson: *Philosophy of Kant*; Mahaffy and Bernard: *Kritik of Pure Reason defended and explained*; Green: *Philosophical Works*, Vol. II.

For 1898-99. A sketch of the development of Philosophy from Kant to Hegel, and a critical study of Hegel's *Logic*.

*Books recommended*: Wallace: *The Logic of Hegel*, Translation and *Prolegomena*; Stirling: *Secret of Hegel*; Seth: *From Kant to Hegel*, and *Hegelianism and Personality*; MacTaggart: *Studies in the Hegelian Dialectic*; Caird: *Hegel* (Philos. Classics.)

## X.—EDUCATION.

The class in the History and Theory of Education, conducted by Prof. W. C. Murray and G. J. Miller in the Faculty of Science, and the examinations of the Faculty of Science, are recognized as qualifying for a degree. (See Fac. Science.)

## XI.—MATHEMATICS.

Professor.....C. MACDONALD, M. A.

## Junior Class.

Daily, 11 A. M.—12 M.

Subjects of study :

ALGEBRA.—Involution, Evolution, Theory of Indices, Equations of the First and of the Second Degree, revised. Discussion of Imaginary Quantities and of  $\sqrt{-1}$ : Theory of Quadratic Equations; Proportion, Inequalities, Indeterminate Equations, Variation, Progressions, Theory of Notation; Elements of Determinants; Selected Propositions in the Theory of Equations, with Horner's method of approximating the roots of an Equation of a Degree higher than the Second.

GEOMETRY.—First, Second, and Third Books of Euclid revised, Fourth Book, Definitions of the Fifth, and the Sixth Book, with Geometrical Exercises and practical applications.

After the beginning of January attendance at the Class on Wednesday will be *optional*, except for those who are trying for First or Second Class distinction. But the Professor reserves to himself the right of excluding any whom he may have judged unequal to the work of the Wednesday class.

*Books recommended:* Todhunter's, or Deighton's, or Hall & Stevens' (George Bell & Sons), Elements of Euclid. Hall & Knight's Elementary Algebra, Todhunter's Algebra, or (best) Hall & Knight's Higher Algebra. (The latter book is recommended to those who wish to pursue advanced work. School Algebras are scarcely sufficient for the course.)

## Senior Class.

Daily, 10—11 A. M.

The daily meeting of this Class is subject to the following explanations :

After the Christmas Examinations, the Class will be resolved into two Divisions, a lower and a Higher.

The Lower or Ordinary Division will meet on four or three days a week, according as the general progress of the Class may demand. The Higher Division will meet on the remainder of the five days a week. Fitness to enter the Higher Division is determined by the Professor, according to the general standing and previous record of the student.

In the Lower or Ordinary Division of the Class the subjects of study are—

GEOMETRY.—Sixth Book of Euclid revised: Cockshott & Walter's Conic Sections; the Parabola and part of the Ellipse;

Easy Geometrical Exercises with practical applications; 21 Propositions of the Eleventh Book of Euclid; Modern Geometry, supplementary to the Six Books of Euclid.

**TRIGONOMETRY.**—Analytical Plane, as far as, but exclusive of, DeMoivre's Theorem. The use of Logarithms, and of the chief Mathematical Tables. Solution of Plane Triangles; Mensuration of Heights and Distances; Elementary Problems in Navigation.

**ALGEBRA.**—Permutations and Combinations; uses of the Binominal Theorem; Properties of Logarithms; Compound Interest and Annuities; Elements of the Doctrine of Chances, should there be time for the subject.

In the Higher Division the subjects are—

**GEOMETRY.**—Parabola, Ellipse, and Modern Extensions of Euclid.

**TRIGONOMETRY.**—As in the Lower Division, with Extensions; DeMoivre's Theorem, with Higher Angular Analysis; Spherical Trigonometry, as far as the solution of Right-angled Triangles, with applications to easy Astronomical problems.

**ALGEBRA.**—Investigations connected with the subjects studied in the Ordinary Division, with illustrations and examples of a more difficult kind. For First or Second Class at the Examinations, acquaintance with the subjects treated in this Division is necessary.

*Books recommended:* Algebras—Todhunter's or Hall & Knight's (best) † Locke's Plane Trigonometry; Cockshott and Walter's Geometrical Conics (Macmillan & Co.); Chambers's Logarithmic, etc., Tables. For Higher Division; Todhunter's Spherical Trigonometry.

#### Advanced Class.

There are two Divisions in this Class:

The First Division meets three times a week.\* Subjects: Analytical Trigonometry, commencing with the application of DeMoivre's Theorem; Analytical Geometry; Spherical Trigonometry; Theory of Equations; Differential Calculus.

*Books recommended:* Lock's Plane Trigonometry, Vol. II.; C. Smith's and Todhunter's Conic Sections; Todhunter's Theory of Equations; Williamson's Differential Calculus; Todhunter's Spherical Trigonometry. Any standard works on the subjects treated may, however, be used.

The Second Division meets twice a week.† Subjects: Analytical Geometry; Spherical Trigonometry; Theory of Equations; Differential Calculus; Integral Calculus, with Differential Equations; Application of these to Physics, Physical Astronomy, etc.

*Books recommended:* The same as for the First Division, with the addition of Williamson's Integral Calculus. Also, Tait & Steele's Dynamics of a Particle; Todhunter's Analytical Statics; D. A. Murray's Differential Equations, (Macmillan & Co.)

\* The hour of meeting on Fridays may possibly be changed at the opening of the session.

† An extra hour for some part of the session may be required.

‡ This work is published in two volumes. The first of these—"A Treatise on Elementary Trigonometry"—is sufficient for the ordinary class.

## XII.—THEORY OF MUSIC.

The classes in the Theory of Music, conducted in the Halifax Conservatory of Music by Mr. C. H. Porter, Director, and Mr. F. Gatward, and the examinations of the Conservatory in the subjects of these classes, are recognised as qualifying for the B. A. and B. L. degrees. In the case of each class, attendance must include at least two lessons per week from the opening to the closing of lectures in this Faculty.

The subject studied in the First Class is Harmony in not more than four parts.

The subjects of the Second Class are :—Harmony in not more than five parts; Simple Counterpoint in two or three parts; Canon in two parts; Imitation and Fugue in not more than three parts; Form,—Elementary Forms, Phrases and Periods, closed and open Forms.

Information as to fees, etc., may be obtained on application to the Secretary of the Conservatory.

## XIII.—PHYSICS.

(George Munro Professorship.)

Professor.....J. G. MACGREGOR, D. Sc.

### Junior Physics Class.

*Mondays, 4—5 P. M., Tuesdays and Thursdays,  
11 A. M.—12 M.*

The subjects of the lectures will be as follows :—The Elements of Dynamics; the properties of solid and fluid bodies; Heat; Electricity and Magnetism; Light and Radiant Heat; and Sound. These subjects will be treated in an elementary manner, the mathematical knowledge assumed being no greater than can be acquired in the Junior Class. The lectures will be conducted largely on historical lines and will be illustrated by experiments, qualitative and quantitative. Besides the Christmas and Spring Examinations, others are usually held at unspecified dates, and students are expected to hand in Problem Papers for correction and criticism.

*Books of reference:* Members of the class are recommended to read Knott's Physics (W. & R. Chambers, Edinburgh, 7/6) in connection with the lectures. Those who aim at passing merely will be examined in those subjects only which are discussed in class, and in Dynamics, in those sections only which are employed in the discussion of other departments of the class work. Those who aim at Distinction will be expected to acquire a more thorough knowledge of Dynamics and to consult the works recommended by the lecturer on all subjects that may be referred to in class. The following books are recommended for frequent reference:—Daniell's Principles of Physics (Macmillan & Co.); Barker's Physics—Advanced Course (H. Holt & Co.); Anthony and Bracket's Text-Book of Physics, revised by Magie (J. Wiley & Sons); Nichols and Franklin's Elements of Physics (The Macmillan Co.)

## Senior Physics Class.

*Mondays and Wednesdays, 10—11 A. M.*

The subjects studied in this class consist of departments of Physics which are of special importance on account of their industrial applications. They will be treated as thoroughly as is consistent with the employment of elementary mathematical methods, no greater knowledge of Mathematics being assumed than can be acquired in the Senior Class.

Students who aim at passing merely will be examined only in those portions of the subject which are discussed in class. Those who aim at Distinction will be expected not only to acquire considerable power of applying principles in the solution of problems, but also to study privately portions of the subject not fully treated in class.

The course being too extensive to be completed in a single session, different portions will be taken up in alternate years, as follows :

In 1898-99.—Dynamics of solids and fluids. Students are recommended to read MacGregor's Kinematics and Dynamics in connection with the lectures. Other works referred to will be :—Thomson and Tait's Elements of Natural Philosophy (Camb. Univ. Press), Mach's Mechanics, tr. McCormack (Open Court Publishing Co.); Pearson's Grammar of Science (Walter Scott); Hicks' Elements of Dynamics (Macmillan & Co.), Balfour Stewart's Conservation of Energy (King & Co.), etc.

In 1899-1900. Heat, including a short discussion of Heat Engines, and Electricity and Magnetism, including a discussion of dynamo-electric machines, a knowledge of the elements of Heat and Electricity such as may be acquired in the Junior Physics Class being assumed. Students are recommended to read Maxwell's Theory of Heat (Longmans & Co.), and Foster and Atkinson's Electricity and Magnetism (founded on Joubert's Treatise, pub. by Longmans & Co.) in connection with the lectures. Other works recommended for reference are Tait's Heat (Macmillan & Co.), Wright's Heat (Longmans & Co.), J. J. Thomson's Electricity and Magnetism (Camb. Univ. Press), Ewing's Steam Engine and other Heat Engines (Camb. Univ. Press), and S. P. Thomson's Dynamo-electric Machinery (Spon).

## Advanced Mathematical Physics Class.

*Mondays and Wednesdays, 11 A. M.—12 M.*

The object of this class is to give students an introduction to the application of the Higher Mathematics to the study of physical problems. They will therefore be assumed to have a sufficient knowledge of Analytical Geometry and the Differential and Integral Calculus. The subjects to be discussed in the next two years are as follows :

In 1898-1899.—Thermodynamics, and Electrodynamics (including Electrostatics.)

In 1899-1900.—Kinematics of a point, of a rigid system, and of deformable systems ; Dynamics (including Statics) of a particle,



of systems of particles (including strings) of extended bodies, of rigid bodies, of elastic solids, and of fluids.

*Books Recommended:* Tait and Steele's Dynamics of a Particle (Macmillan & Co.), Todhunter's Analytical Statics (Macmillan & Co.), Aldis's Rigid Dynamics (Deighton, Bell & Co.), Besant's Hydromechanics (Deighton, Bell & Co.), Tait's Sketch of Thermodynamics (Douglas, Edinburgh), Baynes' Thermodynamics (Clarendon Press), Eintage's Mathematical Theory of Electricity and Magnetism (Clarendon Press) and Mascart and Joubert's Electricity and Magnetism, Vol. I. (De la Rue & Co., London.)

#### Advanced Experimental Physics Class.

*Once a week.*

The subjects studied will be (a) physical experimental methods, and the elimination of errors, this section of the class work being conducted mainly by private reading, under the Professor's supervision, of original papers by Faraday, Joule, and Kelvin; (b) the treatment of observations, including graphical methods and the method of least squares, and the influence of errors of observation on results; (c) the relation of theory to experimental research, illustrated by sketches of one or more of the following: - the kinetic theory of gases, the theory of solutions and of electrolysis, the wave theory of light.

*Books of reference:* Faraday's Experimental Researches in Electricity, Vol. I (Quaritch); Joule's Scientific Papers Vol. I (Taylor & Francis); Lord Kelvin's Mathematical and Physical Papers, Vol. II (Camb. Univ. Press); Holman's Precision of Measurements (John Wiley & Sons); Whetham's Solution and Electrolysis (Camb. Univ. Press); Nichols & Franklin's Elements of Physics, Vol. on Light and Sound (Macmillan.)

#### Practical Physics Class.

*(At least five hours a week.)*

The work of this class will consist of the experimental investigation of simple physical laws, and in connection therewith, the determination of physical constants, such as density, specific heat, electromotive force, electrical resistance, etc.

Students will be required to prepare formal papers on the investigations made, describing the methods used and the results obtained, and discussing the degree of accuracy of the results. Their standing in the Pass and Distinction lists will depend mainly on these papers.

Members of the class who wish to become science teachers will be allowed to devote part of their time to acquiring facility in devising and executing illustrative experiments of a qualitative and quantitative kind, with the simple forms of apparatus usually available in schools.

*Books recommended for reference:* Glazebrook and Shaw's Practical Physics (Longmans, Green & Co.); Stewart & Gee's Elementary Practical Physics (Macmillan & Co.); Ayrton's Practical Electricity (Cassell & Co.); Kohlrausch's Physical Measurements (J. & A. Churchill); Nichols' Laboratory Manual of Physics and Applied Electricity (Macmillan & Co.); Ostwald's Physico-Chemical Measurements (Macmillan & Co.); and Threlfall's Laboratory Arts (Macmillan & Co.)

## XIV.—CHEMISTRY.

*(McLeod Professorship.)*

Professor.....E. MACKAY, PH. D.

## Junior Chemistry Class.

*Mondays, Wednesdays and Fridays, 9—10 A.M.*

The lectures in this class deal in an elementary way with the principles of general chemistry. In the earlier part of the course the chemistry of fire, of water and of air is studied, the order of historical development being followed as nearly as possible; and when some acquaintance with chemical facts has thus been gained, the fundamental laws of combination are taken up and the atomic theory and chemical formulae are introduced. This is followed by a study of chlorine and carbon and of the neutralization of acids. The classification of the elements is then discussed, and thereafter the principal remaining elements are studied, each in connection with the group of elements in the periodic system to which it belongs. The lectures are illustrated as fully as possible by experiments. Examinations, oral or written, are held fortnightly, and occasional written exercises are required.

Students aiming at distinction are required to devote at least three hours per week to laboratory work. The laboratory course is designed to make the student familiar with ordinary laboratory operations and to give him a practical acquaintance with the elementary facts of chemistry. Several common inorganic substances are prepared and studied; simple quantitative experiments are performed; and some time is devoted to elementary work in qualitative analysis.

*Books recommended:* Remsen's *Introduction to the Study of Chemistry* (Macmillan & Co.), or Storer and Lindsay's *Manual of Chemistry* (American Book Co.). In the laboratory, Remsen's *Introduction to the Study of Chemistry* is used.

## Senior Chemistry Class.

*Tuesdays and Thursdays, 9—10 A. M.*

The lectures in this class are for the first few weeks devoted to a fuller discussion of some of the principles of inorganic chemistry than is given in the Junior Class. The constitution of acids, bases and salts; the determination of atomic and molecular weights; and the principal reactions used in qualitative analysis are the chief topics taken up. The remainder of the year is devoted to organic chemistry. Special attention is given in this part of the course to a study of the experimental evidence upon which the constitutional formulae of organic compounds are based.

Students aiming at distinction are required to devote at least three hours weekly to laboratory work. This will include a fuller course in qualitative analysis than is given in the Junior Class, and in addition the preparation of pure laboratory reagents and of typical inorganic and organic substances.

*Books recommended:* In organic chemistry, Remsen's *Compounds of Carbon* (Macmillan & Co.). In inorganic chemistry references are given to text-books in the library.

**Advanced Chemistry Class.**

*One hour weekly.*

The subjects treated in this class will be :

In 1898-9.—History of chemical theory.

In 1899-1900.—Methods of quantitative analysis.

A part of the time of the class will be given to the study of such portions of the reading prescribed in the Special Course in Chemistry and Chemical Physics as offer special difficulty.

**Practical Chemistry Class.**

*Five hours weekly.*

**JUNIOR COURSE.**—This course is intended for students taking their first laboratory work. The course will include the preparation and study of several common inorganic substances and a study of the reactions of the principal elements. Qualitative analysis and blow-pipe reactions are taken up and a few simple quantitative experiments are performed. Remsen's *Introduction to the Study of Chemistry* is used as a laboratory manual.

**SENIOR COURSE.**—This course is open to students who have taken the Junior Course or its equivalent. The first part of the year is devoted to less elementary work in qualitative analysis than that in the Junior Course, and to the preparation of pure laboratory reagents and of typical inorganic substances. The remainder of the year is occupied with the preparation and study of typical organic compounds. Members of this class who are not taking, or have not previously taken, the Senior Chemistry Class may substitute work in quantitative analysis for that in organic chemistry.

**Advanced Practical Chemistry Class.**

Courses are provided in general quantitative analysis, and, so far as the resources of the laboratory permit, in its special branches.

**QUANTITATIVE ANALYSIS.**—The work in this course is designed to illustrate typical methods in quantitative analysis. It will include the quantitative estimation of chlorine, iodine, sulphur, nitrogen, phosphorus, silicon, carbon, hydrogen, and of the metals silver, copper, iron, manganese, aluminum, calcium and potassium. Volumetric methods, as well as gravimetric, are employed whenever applicable.

**TECHNICAL COURSES.**—Students having a sufficient training in general quantitative analysis may undertake work in one or more of the following special branches of analysis : (a) Assay of ores. Ores of the principal metals are assayed in the wet way. Ores of lead and silver are subjected to a furnace assay and the results checked by analysis. (b) Analysis of foods or poisons. (c) Analysis of soils. (d) Analysis of potable waters. (e) Gas analysis.

Students taking Practical Chemistry are admitted to that one of the preceding courses for which their previous work has fitted them. All members of practical classes are required to

keep a detailed record of their experiments. The character of this record is a factor in determining the standing of a student in the class lists.

The chemical laboratory accommodates about eighty students. A reference library is placed in the balance-room for the use of students doing analytical work.

The laboratory is open daily, Saturdays excepted, from 10 a. m. to 1 p. m., and from 3 to 5 p. m., on Tuesdays, Wednesdays and Thursdays.

#### XV.—BOTANY.

The class in Botany, conducted by the Faculty of Science, and the examinations, conducted by Faculty of Science in this subject, are recognized as qualifying for a degree. See Faculty of Science § xxv.

#### XVI.—ZOOLOGY.

Lecturer ..... A. HALLIDAY, M. D.

The work of the class will consist of a course of lectures supplemented by practical work, the object being to give such a comprehensive idea of the animal kingdom as will form a good basis for any one inclined to prosecute still further the subjects of Biology, Comparative Anatomy or Physiology.

The class will probably meet once a week for two consecutive terms, an hour being devoted to lecture, the other to practical work and demonstrations. For detailed information see Faculty of Science.

#### XVII.—PHYSIOLOGY.

The University provides no instruction in this subject; but the class conducted in the Halifax Medical College by Professor L. M. Silver, M. B., and C. D. Murray, M. B., is recognized as qualifying for a degree. The class meets on Tuesdays, Thursdays and Saturdays, at 11—12 A. M. The fee for the course is \$15.00.

**§ II.—The Academic Year.**—The Academic year consists of one Session. The Session of 1898-99 will begin on Wednesday, 7th September, 1898, and end on Tuesday, 25th April, 1899.

**§ III.—Admission of Students.**—(1.) Persons of either sex may become students of the College by (a) furnishing satisfactory references or certificates of good moral character (on first entering the College), (b) entering their names in the Register (annually), and (c) paying the annual Registration fee, (§ xxiv).

(2.) Registered students may, on presentation of their Registration Tickets, and on payment of the proper fees, (§ xxiv), enter any of the ordinary classes of the College. The Advanced Classes are restricted to students who have sufficient knowledge of the subjects taught in them.

(3) Students who are candidates for degrees are known as Undergraduates. Candidates for the higher degrees in attendance on classes are known as Graduate Students. All others are known as General Students.

**§ IV.—Degrees.**—(1.) Two baccalaureate degrees are conferred in the Faculty of Arts, those, viz., of Bachelor of Arts (B. A.), and Bachelor of Letters (B. L.). Candidates for these degrees must attend with regularity the classes of their courses of study as prescribed in § VII, perform the exercises required and appear at the examinations held in connection with such classes, and secure a position on the Pass Lists in all subjects. The courses of study extend over at least four years, but in the case of students who enter at advanced stages, may be completed in a shorter time.

(2.) Persons may become candidates for degrees by passing the Junior or Senior Matriculation examination, (§§ v, vi). Those who pass the Senior Matriculation examination are exempted from attending the classes recommended in § VII to be taken in the first year of attendance, and may complete their courses in three years. In general, the Matriculation examination is to be passed by a student before he enters upon a course of study leading to a degree. For subjects of examination, examinations recognized as equivalent, &c. See §§ v, vi.

(3.) General students who have attended some of the classes in either of the Courses of Study and passed in the subjects of them, may become candidates for a Degree by passing one of the Matriculation Examinations, in which case the classes previously attended will be recognized as qualifying for a Degree. But in these subjects of the Matriculation examination in which they have previously attended classes, such students will be expected to show a higher proficiency than if they had passed the examination at the beginning of their course.

(4.) Undergraduates of other Universities may, on producing satisfactory certificates, be admitted *ad eundem statum* in this University, if they are found qualified to enter the classes proper to their years. But if their previous courses of study have not corresponded to the courses on which they enter in this University, they may be required by the Faculty to take additional classes.

**§ V.—Junior Matriculation Examination.**—(1) The following are the subjects of this examination :

1—2. Two of the following languages must be selected: Latin, Greek, French and German. Candidates for B. A. must pass in Latin. If they are to take Greek as one of the subjects of the First Year, they must also pass in Greek. Candidates for B. L. may select any two.

LATIN.—Translation: (a) Passages for translation from prescribed books with questions arising out of those books. (For 1898), *Cæsar*—Gallic War, Books II and III, and *Vergil*—Æneid, Book II. (b) Short and easy passages for translation at sight from books not prescribed. (For 1899), *Cæsar*—Gallic War, Books II and III, and *Vergil*—Æneid, Book III. *Composition*: Such a knowledge as may be gained from Collar and Daniell's Beginner's Latin Book, and the first eighteen exercises of Bradley's Arnold's Latin Prose Composition. *Grammar*: As in Bennett's Latin Grammar, or Allen and Greenough's.

GREEK.—Translation: (a) Passages for translation from prescribed books with questions arising out of those books. (For 1898), *Xenophon*, Anabasis, Book I. (For 1899), *Xenophon*, Anabasis, Book II. (b) Short and easy passages for translation at sight from books not prescribed. *Composition*: Such a knowledge as may be gained from Frost's Greek Primer, and the first fifteen exercises of Fletcher and Nicholson's Greek Prose Composition. *Grammar*: As in Elementary Grammars.

FRENCH.—Voltaire: *Charles XII.*, Books I, II, III. Grammar questions limited to the Accidence, and based on the passages selected for translation.

GERMAN.—Buchheim, *German Reader*, Part I., (Clarendon Press), or Hauff: *Das Wirthshaus im Spessart*, *Das Kalte Herz* (Macmillan & Co.). Grammar questions limited to the Accidence, and based on the passages selected for translation.

3. ENGLISH.—*Language*: Grammar, Analysis, Parsing. *Composition*: An essay on one of several set subjects, to be drawn from:—Macaulay, *Warren Hastings*; Shakspeare, *Merchant of Venice*; Longfellow, *Evangeline*; Scott, *The Lady of the Lake*.

NOTE.—The essential part of this examination is the essay. Legible writing, correct spelling and punctuation will be considered indispensable. Skill shown in sentence and paragraph construction will be awarded high marks. Not more than *one* of the works named need be read. It should be read primarily for the story and need not be studied minutely, as a choice is allowed among at least four themes drawn from the works named.

N. B.—Instead of the works prescribed above in Latin, Greek, French and German, candidates for matriculation (but *not* for scholarships) may offer equivalents; which must receive, at an early date, the approval of the President. The names of the languages and of the works selected (for the approved equivalents), must also be submitted to the President, at least one week before the date of the examination.

4. ARITHMETIC AND ALGEBRA.—*Arithmetic*, *Algebra*: Simple rules; rules for the treatment of Indices; Surds; Extraction of Square and Cube Roots; Equations of the First Degree; Quadratic Equations of one unknown quantity.

5. GEOMETRY.—Euclid, Books I, II, III; or their equivalents.

6. HISTORY AND GEOGRAPHY.—Outlines of English and Canadian History, and General Geography.

Candidates who, though reaching the passing mark in any subject, fail to satisfy the examiners in important sections of that work, may be passed conditionally, on satisfying the examiners in such sections at a subsequent date.

Candidates who pass in one or more subjects, but fail to pass the examination as a whole, will be exempted from such subjects, should they appear as candidates on any subsequent occasion.

Candidates reaching a certain standard will be declared to have Passed with Distinction, and will be eligible for the Sir William Young and Professors' Scholarships, and the Mackenzie Bursary. (See § xv.)

(2.) Candidates who hold Teachers' Licenses of Grades A or B, or certificates of having passed the Senior or Junior High School Leaving Examinations, as issued by the Nova Scotian Education Office, and those also who hold Teachers' Licenses of the First and Second Class, as issued by the Education Office of Prince Edward Island, and those who hold Teachers' Licenses of the First Class or Grammar School as issued by the Education Office of New Brunswick, shall be exempted from the above examination, in subjects which were included in the examinations by which such licenses or certificates were obtained.

Candidates who hold Teachers' Licenses or Leaving Examination certificates issued by the Education Offices of other Provinces, may be exempted from the whole or from parts of the above examination on application to the Faculty.

Persons who as candidates for the above Licenses or certificates succeeded in passing in the more important of the subjects of the above examination, shall be exempted from examination in such subjects.

(3.) Persons may be admitted as Undergraduates of the First Year, without examination, on presentation of certificates from the Principals of High Schools or Academies, approved for this purpose by the Faculty, stating that they have satisfactorily completed the work prescribed for the Junior Matriculation Examination and passed satisfactory examinations therein.

(4.) This examination will be held at the College on September 7th—12th, 1898.

(5.) If candidates for scholarships at the Junior Matriculation Examination have failed in some subjects, they may obtain, by the permission of the Faculty, a special Matriculation Examination in such subjects, at a later date.

**§ VI.—Senior Matriculation Examination.—(1.)**  
The following are the subjects of this examination :

1—2. Two of the following :—Latin, Greek, French, German.

Candidates for B. A. must pass in Latin. If they intend to take Greek as one of the subjects of the Second Year they must also pass in Greek ; if not, they may select Greek or

French, or German. Candidates for B. L. must pass in one modern language. They may select as the second subject either Latin or Greek.

LATIN.—(For 1898). *Cicero*, First Oration against Catiline; *Sallust*, Conspiracy of Catiline; *Tacitus*, Histories, Book I; *Vergil*, Æneid, Book VI.

(For 1899). *Cicero*, Pro Milone; *Tacitus*, Agricola; *Vergil*, Æneid, Book VI.

GREEK.—(For 1898.)—*Xenophon*, Hellenica, Books I and II; *Demosthenes*, Philippics, I—III.

(For 1899.)—*Xenophon*, Hellenica, Books I and II; *Plato*, Apology and Crito.

The papers in Latin and Greek will contain passages for translation from the books prescribed, together with grammatical and other questions arising out of those books, and short and easy passages for translation from books not prescribed. General questions in Latin and Greek Grammar will also be set, and some English sentences to be turned into Latin and Greek.

FRENCH.—Voltaire: *Charles XII*, Bks. I, II, III; MacMillan's Progressive French Reader, II Year; Molière; *Le Bourgeois Gentilhomme*; Scribe: *Bataille des Dames*; Grammar (Brachet Public School Grammar), Composition.

GERMAN.—Hauff: *Wirthshaus im Spessart*, excluding the five tales interwoven in the story (Macmillan & Co.); Buchheim; German Reader, Part II; Schiller: *Wilhelm Tell*; Grammar (Whitney); Composition.

3. ENGLISH.—*Language*: Grammar, Analysis, Parsing. *Composition*: An essay on one of several set subjects; to be drawn from:—Macaulay, *Warren Hastings*; Shakspeare, *Merchant of Venice*; Longfellow, *Evangeline*; Scott, *The Lady of the Lake*. (See § v 5. Note.)

*Literature*.—Eighteenth Century: Prose. *Addison*: Papers contributed to the Spectator. *Johnson*: Life of Pope. (Macaulay: Samuel Johnson). *Dryden*: MacFlecknoe, St. Cecilia's Day, Alexander's Feast; *Pope*: Rape of the Lock. *Gray*: Elegy in a Country Churchyard. *Goldsmith*: Traveller, Deserted Village. *Burns*: Twa Dogs, Cotter's Saturday Night.

*History and Geography*.—Outlines of English and Canadian History and General Geography.

Instead of the works prescribed here in Latin, Greek, French, German and English, candidates for matriculation (but not for scholarships) may offer equivalents; which must receive, at an early date, the approval of the President. The names of the languages and of the works selected (for the approved equivalents) must have been submitted to the President at least one week before the date of the examination.

4. MATHEMATICS — *Arithmetic*. *Algebra*: The simple rules. Involution, Evolution, Theory of Indices, Equations of the First and of the Second Degree; Discussion of Imaginary Quantities and of  $\sqrt{-1}$ :—Proportion, Inequalities, Indeterminate Equations, Variation, Progressions, Theory of Notation; Elements of Determinants; Selected Propositions in the Theory of Equations, with Horner's method of approximating the roots of an Equation of a Degree higher than the



Second. *Geometry*.—Euclid. Bks. I, II, III, IV; Definitions of the Fifth, and the Sixth Book, with Geometrical exercises.

5. CHEMISTRY.—The elements of General Chemistry. Remsen's *Introduction to the Study of Chemistry* (Macmillan & Co.) may be taken to indicate in a general way the extent of knowledge required. The examination will be designed to test the extent to which the candidates' knowledge of the elementary facts of Chemistry is founded upon practical study.

The subject of Chemistry may be omitted by candidates; but in that event, they must either pass the examination therein on entering the Third Year, or take the subject as one of the electives on entering the Third Year.

In the competition for scholarships also, the subject of Chemistry may be omitted. The award is made upon the average of excellence shown in the subjects professed.

N. B.—This examination is prescribed for candidates for Nior Scholarships.

(1.) Candidates who, though reaching the passing work in any subject, fail to satisfy the Examiners in important sections of such subject, may be passed conditionally on their satisfying the Examiners in such sections at a subsequent date.

Candidates who pass in one or more subjects but do not succeed in passing the examination as a whole, will be exempted from examination on such subjects, should they appear as candidates on any subsequent occasion.

(2.) Candidates who have previously passed in one or more of the above subjects, either at the Junior Matriculation Examination or at the Examination of the First Year, shall be exempt from further examination therein.

(3.) Candidates who hold Teachers' Licenses of Grade A, or Certificates of having passed the Senior High School Leaving Examination, issued by the Nova Scotian Education Office, shall be exempted from the above examination in subjects which were included in the examinations by which such licenses or certificates were obtained. The same privilege shall be granted to candidates who hold Teachers' Licenses of the First Class, issued by the Education Office of Prince Edward Island, except in the subject of Greek; and to those who hold Teachers' Licenses of the Grammar School Class, as issued by the Education Office of New Brunswick.

Candidates who hold Teachers' Licenses of Grade B, or Certificates of having passed the Junior Leaving Examination of the High School, issued by the Nova Scotian Education Office, and those who hold Teachers' Licenses of the Second Class, issued by the Education Office of Prince Edward Island, shall be exempted from those parts of the above examination which are common to it, and the Junior Matriculation Examination, provided such parts were included in the examinations by which such Licenses or Certificates were obtained.

Candidates who hold Teachers' Licenses or Leaving Examination Certificates, issued by the Education Offices of other Provinces, may be exempted from the whole or from parts of the above examination, on application to the Faculty.

Persons who, as candidates for the above Licenses and Certificates, succeeded in passing in the more important of the subjects of the above examination shall be exempted from examination in such subjects.

(4.) Candidates must give at least one fortnight's notice to the President, of their intention to appear at this examination; and in giving such notice they must state in what Latin, Greek, French, German, and English books they intend to offer themselves for examination, whether or not they wish to be examined in Chemistry, and in what subjects they claim exemption from examination.

(5.) This examination will be held at the College on September 7th—12th, 1898.

(6.) If candidates for scholarships at the Senior Matriculation Examination have failed in some subjects, they may obtain, by the permission of the Faculty, a special matriculation examination in such subjects, at a later date.

**§ VII.—Ordinary Courses of Study for Degrees of B. A. and B. L.**—(1.) The B. A. Course consists of the following Classes:—Two in Latin; two in one of the following: Greek, French, German; a third in either Latin or Greek, (two classes in the language selected having been taken); two in each of English and Mathematics; one in each of History, Philosophy, Physics, and Chemistry; together with seven single classes (or an equivalent) in subjects to be selected by the student from the lists given below, and to be approved by the Faculty.—A single class is one in which two or three lectures per week are given. A double class is one in which four or five lectures per week are given. A double class is to be regarded in the choice of elective subjects as equivalent to two single classes.

(2.) The B. L. Course consists of the following classes:—Three in one or other of German or French; two in one of the following: the modern language not selected to be studied for three years, Latin, Greek; three in English; one in each of History, Philosophy, Mathematics, Physics, Chemistry; together with seven single classes (or an equivalent) to be selected by the student from the lists given below, and to be approved by the Faculty. Single and double classes are to be understood as in (1) above.

(3.) The classes not specified above, which are selected by students as part of their course, must be submitted to the President for approval at a date not later than Sept. 20, 1898.

(4.) Undergraduates in taking French or German for the first time, enter the classes for which the Professor considers them fitted. In other subjects, they enter the First or Junior classes.

(5.) The First class in Latin, Greek, French, and German is not recognized as part of the course for a degree unless the Second class is subsequently taken.

(6.) No class in which all the subjects studied are the same from year to year, can be taken twice as part of a course.

(7.) A sufficient number of the more purely literary, philosophical, or scientific subjects of theological, legal, medical and musical courses respectively, are among the elective subjects, to enable the student during his course to complete part of one or other of these professional courses. Students taking Constitutional History, Constitutional Law and Contracts, and passing therein, are allowed to complete their Law Course in this University subsequently in two years (§ XL (4)).—Students who have registered as undergraduates in Medicine may complete one *annus medicus* during their Art Course by taking either Senior Chemistry, and Physiology, or either of these subjects with Practical Chemistry and Botany. (See Faculty of Medicine.)

(8.) The classes in the above courses may be taken in any order subject to the provisions: (1) that in any one subject, classes are to be taken in the order of their advancement; (2) that Junior Mathematics is to be taken before Junior Physics; and (3) that Junior Physics and Junior Chemistry are to be taken before Practical Physics and Practical Chemistry respectively; (4) that Junior Philosophy is to be taken before Moral Philosophy.

(9.) In the following statement, however, the classes are arranged in years to show the order in which it will generally be found most convenient to take them. The time-table of lectures and the dates of examinations are based upon this arrangement.

The details of the subjects studied in these classes will be found under Courses of Instruction. (§ I).

#### First Year.

1. *For B. A.*—First Latin. *For B. L.*—First German or First French.

2. *For B. A.*—Greek, or French, or German, (Undergraduates who intend in their third year to enter the 8th or 9th Special Course, [§ viii (2)], are recommended to select German). *For B. L.*—The modern language not selected as subject 1, or Latin, or Greek.

3. Junior Mathematics.

4. Junior Chemistry.

5. First English.

## Second Year.

1. *For B. A.*—Second Latin. *For B. L.*—The language selected as subject 1 in the First Year.
- 2.—*For B. A.*—The language chosen as subject 2 in the First Year. *For B. L.*—The language selected as subject 2 in the First Year.
3. *For B. A.*—Senior Mathematics. *For B. L.*—Senior Mathematics or Junior Physics.
4. Second English.
5. Junior Philosophy or (in the case of students who intend to enter the 7th or 8th Special Course, § VIII (2), Junior Physics, or (in the case of students who intend to enter the 9th Special Course) Senior Chemistry.

## Third Year.

1. *For B. A.*—Latin or Greek or N. T. Greek. The language selected must have been taken during the first two years. *For B. L.*—German or French; the language selected must have been taken in the First and Second Years.
2. *For B. A.*—Junior Physics or (if Junior Physics have been taken in the Second Year), Junior Philosophy. *For B. L.*—Junior Physics have been taken in the Second Year) one of subjects 4—5.
3. Junior History.
- 4—5. Two of the following :—
 

Greek.	Senior Philosophy.
N. T. Greek.	Senior Chemistry.
Latin.	Practical Chemistry.
Hebrew.	Botany.
French.	Practical Physics.
German.	Education :—History and Theory.
Third English.	
Constitutional History.	Zoology.
Political Economy.	Theory of Music.
Ethics.	

## Fourth Year.

Five of the following :—

- |                    |                         |
|--------------------|-------------------------|
| Latin.             | Constitutional History. |
| Greek.             | Constitutional Law.     |
| N. T. Greek.       | Contracts.              |
| Hebrew.            | Senior Physics.         |
| French.            | Practical Physics.      |
| German.            | Senior Chemistry.       |
| Fourth English.    | Practical Chemistry.    |
| History.           | Botany.                 |
| Political Economy. | Physiology.             |
| Ethics.            | Zoology.                |
| Senior Philosophy. | Theory of Music.        |
| Education.         |                         |

§ VIII.—**Special Courses for Degrees.**—(1.) An undergraduate shall be allowed, after completing the work recommended in § VII for the first two years of his course, to restrict his attention to a more limited range of subjects than that of the ordinary course, by entering upon one of the Special Courses, provided he has either attained both a First Class standing at the previous Examination in the subject corresponding to that of the Special Course selected, and a satisfactory standing in the other subjects, or received the special permission of the Faculty.

(2.) Special Courses are provided in the following departments, viz., (1) Classics, (2) Latin and English, (3) Greek and English, (4) English and German, (5) English and English History, (6) Philosophy, (7), Pure and Applied Mathematics, (8) Mathematics and Physics, (9) Chemistry and Chemical Physics. Undergraduates in Arts may take special courses in any one of the above departments; undergraduates in Letters in any one of departments, 4, 5, 6, 7, 8, and 9.

(3.) An undergraduate taking a special course in any of the above departments shall be required to attend the Advanced Classes provided in the subjects of such departments (§ 1), to make progress satisfactory to the Professors who conduct such classes, and to pass the examinations in the subjects of such department. He shall be allowed to omit, from the subjects of the ordinary course, certain subjects specified below, and may select as his ordinary classes in any year, any of the classes of that year, subject to the following regulations and to the approval of the Faculty.

(4.) The examinations in the subjects of Special Courses shall be held at the end of the Fourth Year.

(5.) Undergraduates taking the Special Course in **Classics** may, in each of the Third and Fourth Years, omit any two of the subjects of those years, except Latin and Greek.

They shall be examined in the following subjects :

#### LATIN.

I. Candidates will be required to have a critical knowledge of the following works, in addition to those prescribed in the ordinary course :—

Platus : *Miles Gloriosus*.

Terence : *Adelphi*.

Vergil : *Georgics*, Books I., IV.

Horace : *Epistles*, Books I., II. ; *Ars Poetica*.

Juvenal : *Satires*, VII., VIII., XIV.

Cicero : *De Oratore*, Books I., II., III.

Livy : *Books XXI., XXII.*

Tacitus : *Agricola* : *Annals*, Book II.

II. Candidates will be required to show a general knowledge of one prose and one verse subject, to be chosen by them from the following list :—

Plautus : Menæchmi, and Aulularia.  
 Terence : Andria, and Heautontimorumenos.  
 Cicero : Select Letters, (Muirhead's edit., Longmans,  
 London).  
 Tacitus : History, Books III., IV., V.

III. COMPOSITION.—Prose.

IV. LITERATURE.—Cruttwell's History of Roman Literature, selected chapters.

V. PHILOLOGY.—Peile's Introduction to Greek and Latin Etymology ; Victor Henry's Comparative Grammar of Greek and Latin.

#### GREEK.

I. Candidates will be required to have a critical knowledge of the following works, in addition to those of the ordinary course :—

Aeschylus : Eumenides.  
 Sophocles : Oedipus Rex.  
 Aristophanes : The Knights.  
 Homer : Odyssey, Books v., VI., VII., VIII.  
 Thucydides : Book II.  
 Plato : Phædo.  
 Demosthenes : De Corona.  
 Aristotle : Poetics.

II. Candidates will be required to show a general knowledge of one prose and one verse subject, to be chosen by them from the following list :—

Aeschylus : Agamemnon, and Choephoroi.  
 Sophocles : Oedipus Coloneus, and Antigone.  
 Thucydides : First and Seventh Books.  
 { Aeschines : Contra Ctesiphontem, and  
 { Demosthenes : De Falsa Legatione.

III. COMPOSITION.—Prose.

IV. PHILOLOGY.—Peile's introduction to Greek and Latin Etymology ; Victor Henry's Comparative Grammar of Greek and Latin.

V. LITERATURE.—Mahaffy's History of Greek Literature, the portions bearing on the authors and subjects read by the candidate during his college course. Haigh's Theatre of the Greeks.

(6.) Undergraduates taking the Special Course in **Latin and English** may, in each of the third and fourth years of their course, omit any two of the subjects of those years except Latin and English. They shall be examined in the following subjects, viz. :

#### LATIN.

The Latin subjects prescribed for the Special Course in Classics.

#### ENGLISH.

The historical development of the language and literature to the year 1300. *Bright*, Anglo-Saxon Reader. *Sievers*, OE. Grammar (trans. by Cook,) Pt. II. *Morris*, Specimens of Early English, I., *Emerson*, History of the English Language. Sight reading of OE.

History of the Elizabethan and Early Stuart Literature. Lectures. *Sidney*, Apologie for Poetrie. *Hooker*, Ecclesiastical Polity, Book I. *Bacon*, Advancement of Learning, Select Essays.

*Marlowe*, Tamburlaine, Edward II., The Jew of Malta. *Greene*, Friar Bacon and Friar Bungay. *Johnson*, the Alchemist. Every Man in his Humor. *Beaumont and Fletcher*, Philaster, The Knight of the Burning Pestle. *Massinger*, A New Way to Pay Old Debts. *Webster*, The Duchess of Malfi. *Shakspeare*, The Tragedies, Two Noble Kinsman. Part of this course is conducted by means of a Seminary.

*Book recommended*: *Sidney*, Cook's edition (Ginn & Co.); *Hooker*, Church (Clarendon Press); *Bacon*, Advancement, Wright (Clar. Press); *Essays*, Wright (G. T. Series). History of Literature: Ten Brink, Saintsbury, Brooke; Clarendon Press, "Mermaid," "Temple Dramatists," and Arber Editions of Elizabethan works. Thayer, "Best Elizabethan Plays."

(7.) Undergraduates taking the Special Course in **Greek and English** may, in each of the third and fourth years of their course omit any two of the subjects of those years, except Greek and English. They shall be examined in the following subjects, viz. :—

#### GREEK.

The Greek subjects prescribed for the Special Course in Classics.

#### ENGLISH.

The English subjects prescribed for the Special Course in Latin and English.

(8.) Undergraduates taking the Special Course in **English and German** must have taken German in the first and second years of their course, and may in each of the third and fourth years omit any two subjects of those years except English and German. They shall be examined in the following subjects :—

#### ENGLISH.

The English subjects prescribed for the Special Course in Latin and English.

#### GERMAN.

Middle High German: Grammar (Wright's Middle High German Primer): Selections from Hartmann von Aue, Walther von der Vogelweide, Nibelungelied, Gudrun, Wolfram von Eschenbach, Freidank or Gottfried von Strassburg, Sebastian Brant, (Wackernagels Kleineres Altdeutsches Lesebuch).

Selections from Swiss and Plattdeutsch dialect literature.

German Literature of the 16th, 17th, and 18th centuries, with selections from authors of that period.

Two of the chief literary works of Goethe not read in the ordinary course.

Translations of unspecified passages from any Modern High German author,

Prose Composition.

(9.) Undergraduates taking the Special Course in **English and English History** may, in each of the third and fourth

years of their course, omit any two of the subjects of those years, except English and History. They shall be examined in the following subjects, viz. :—

ENGLISH.

The English subjects prescribed for the Special Course in Latin and English.

ENGLISH HISTORY.

English History from A. D. 1603-1689.

*Books recommended* : Green's History of the English People, Vol. 3 ; Lingard's History of England, Vols. 8-10 ; Hallam's Constitutional History of England, Chap. VI.-XIV. ; Ranke's History of England ; S. R. Gardiner's works on this period ; Clarendon's History of the Great Rebellion ; Masson's Life of Milton ; Carlyle's Life of Cromwell ; Foster's Life of Elliot ; Bayne's Chief Actors in the Puritan Revolution.

(10.) Undergraduates taking the Special Course in **Philosophy** may, in each of the third and fourth years of their course, omit any one of the subjects of those years, except Senior Philosophy, which must be taken in the Third Year, Moral Philosophy, and Greek Philosophy. They are recommended to take German. They shall be examined in the following subjects :—

I. General History of Philosophy from Thales to modern times.

Ferrier : Greek Philosophy.

K. Fischer : Descartes and his School, Pp. 1-158, 309-375, 465-493, 534-581.

Seth (A) : Scottish Philosophy.

Royce : Spirit of Modern Philosophy.

II. Greek Philosophy from the Sophists to Aristotle, and Modern Philosophy from Locke to Kant.

Plato : Theætetus and Republic.

Aristotle : Metaphysics, Book I., and Ethics.

Locke : Essay on Human Understanding (with Fraser's Prolegomena).

Berkeley : Principles of Human Knowledge and Siris (as in Fraser's Selections).

Hume : Human Nature, Vol. I. (with Green's Introduction).

Reid : Inquiry into the Human Mind ; Intellectual Powers, Essay VI.

III. Philosophy of Kant : The Critiques of Pure Reason, of Practical Reason, and of Judgment (as in Watson's Selections)

IV. Wundt : Human and Animal Psychology.

Bradley : Principles of Logic (in part).

Bosanquet : Knowledge and Reality.

Green : Prolegomena to Ethics.

Hegel : Logic, Chaps. I.-VI. (Wallace's Translation).



## V. Any one of the following :—

1. History of Philosophy from Descartes to Leibnitz. Descartes: *Method, Meditations and Principles*; Spinoza: *Ethics*; Caird: *Cartesianism* (*Encyc. Brit.*). Martineau: *Spinoza*.
2. History of Philosophy from Kant to Hegel. Hegel: *Philosophy of History and State* (as in Morris' Exposition), and *Logic* (with Wallace's *Prolegomena*). Seth: *Hegelianism, and Personality, and From Kant to Hegel*. MacTaggart: *Studies in Hegelian Dialectic*.
3. History of Philosophy from Hume to Spencer. Comte: *Positive Philosophy*; Mill: *As in Watson's Selections*. Spencer: *First Principles*; Mill: *Comte and Positivism*; Douglas: *John Stuart Mill*.
4. History of Ethics in Great Britain from Hobbes to Green. Hobbes and his Critics; Utilitarianism—Bentham, Mill and Sidgwick; Intuitionism—Butler, Calderwood, Martineau; Evolutional Ethics—Spencer, Stephen, Huxley.
5. Philosophy of Religion. Lotze: *Philosophy of Religion*. Martineau: *Study of Religion*. Caird: *Philosophy of Religion*. Balfour: *Foundations of Belief*. Watson: *Christianity and Idealism*.

(11.) Undergraduates taking the Special Course in **Pure and Applied Mathematics** are recommended to take Junior Physics in their Second Year, and in the event of their not having done so, to read, before entering the Third Year, the text book of the Junior Physics Class on the subjects discussed in the Senior Physics Class in their Third Year. They may omit in the Third Year any two, and in the Fourth Year any three, of the subjects of those years except Physics, and must take the Senior Physics Class in both the Third and Fourth Years. The standard of attainment shewn in the examinations in this class in both years will be considered in estimating the results in the final examination of the Special Course.

The subjects of examination will be as follows :—

## PURE MATHEMATICS.

TRIGONOMETRY.—Angular Analysis; Solution of Spherical Triangles; Napier's Analogies; with application to Astronomical Problems.

ANALYTICAL GEOMETRY.—The Conic Sections, and the Equation of the Second Degree between two variables; as far as set forth in any standard treatise on the subject.

CALCULUS.—Differential and Integral, as set forth in any standard treatises on these subjects (Williamson's Treatises on these subjects recommended). Differential Equations (selected course), with practical application to Physical Problems (Woolsey Johnson's, or Boole's Treatise on the subject recommended).

## APPLIED MATHEMATICS.

Either Kinematics and Dynamics, or Thermodynamics and Electrodynamics,—those portions of these subjects which are treated in the class of Advanced Mathematical Physics, the mode of treatment being by application of Analytical Geometry and the Differential and Integral Calculus.

(12.) Undergraduates taking the Special Course in **Mathematics and Physics** should have studied German in their first and second years, and Junior Physics in their second year. In the event of their not having done so, they should work up the German in their vacations and should read the proper sections of the elements of Physics, if possible, performing experiments), before entering the Senior Physics Class. They are required, if they wish to complete the course in two years, to take in their third year Advanced Mathematics, Senior Physics, Practical Physics, Senior Chemistry, and Practical Chemistry, and in their fourth year, the Advanced Classes in Mathematics, Mathematical Physics and Experimental Physics, Senior Physics and Practical Physics. But they are advised to take three years rather than two to complete the course. The standard of attainment shewn in the examinations in Senior Physics in both years will be considered in estimating the results of the final examination of the Special Course.

They will be required in the course of their Laboratory work in Physics and Chemistry to prove their ability to make accurate determinations of physical constants, to conduct investigations of physical laws, and to carry out qualitative analyses and both gravimetric and volumetric quantitative analyses of inorganic bodies.

Those who aim at High Honours will be expected either to prepare a thesis embodying the results of a short original investigation, or to exhibit a high standard of excellence on the more mathematical parts of the course.

The subjects of examination will be as follows :—

1. **MATHEMATICS.**—The subjects of the Special Course in Pure and Applied Mathematics (11), the standard of attainment required not being so high as in the Special Course in Mathematics.

2. **MATHEMATICAL PHYSICS.**—The subjects of the Special Course in Pure and Applied Mathematics.

3. **GENERAL PHYSICS.**—As in Nichols and Franklin's Elements of Physics (The Macmillan Co.), supplemented by the discussions and course of reading of the Advanced Experimental Physics Class in special sections such as the kinetic theory of gases, the theory of solutions, electrolysis and physical optics.

4. **EXPERIMENTAL METHODS.**—A general acquaintance with the methods applicable in different classes of investigations as in Glazebrook and Shaw's Practical Physics (Longmans Green & Co.), and Ostwald's Physico-Chemical Methods

(Macmillan & Co.).—The experimental methods of the following memoirs:—Joule's papers on the determination of the Mechanical Equivalent of Heat, contained in his Scientific Papers (Taylor & Francis), vol. I, pp. 123, 172, 298, 542, 632; Faraday's Experimental Researches in Electricity (Quaritch), vol. I, Series III, IV., VI., VII., VIII. Lord Kelvin's papers on the electrodynamic qualities of Metals, Mathematical and Physical Papers, Vol. II. (Camb. Univ. Press). The treatment of observations and the discussion of the accuracy of experimental results, as in Holman's Precision of Measurements (John Wiley & Sons).

(13.) Undergraduates taking the Special Course in **Chemistry and Chemical Physics** are recommended strongly to select German as one of the subjects of their First and Second Years, to take Senior Chemistry in their Second Year, and before entering upon the Third Year to read the text-book of the Junior Physics Class on the subjects to be treated in the Senior Physics Class in their Third Year. They are required in their Third Year to take the following classes:—Advanced Practical Chemistry, Advanced Mathematics (partial course), Junior Physics (with work in the Laboratory), Senior Physics, and German, and in their Fourth Year, the following classes:—Advanced Practical Chemistry, Advanced Mathematics (partial course), Advanced Experimental Physics, Senior Physics, Practical Physics, and German (if not taken in First and Second Years).

Candidates will be examined at the end of the Fourth Year in the following subjects:—

#### CHEMISTRY.

(1.) The principles and theories of modern chemistry. The following books are mentioned to indicate the extent of knowledge required:—Remsen's *Inorganic Chemistry, Advanced Course*, (H. Holt & Co.); Bernthsen's *Organic Chemistry*, translated by McGowan (Blackie & Son, Van Nostrand); Meyer's *Outlines of Theoretical Chemistry*, translated by Bedson and Williams (Longmans).

(2.) Outlines of the history of chemistry. In this connection candidates will be required to have an acquaintance with the following:—Schorlemmer's *Rise and Development of Organic Chemistry*, (Macmillan & Co.); Roscoe's *Dalton and the Rise of Modern Chemistry*, (Macmillan & Co.); and the essays on Boyle, Priestley, Scheele, Cavendish, Lavoisier, Graham and Wöhler, in Thorpe's *Essays in Historical Chemistry*, (Macmillan & Co.).

(3.) The following memoirs:—On the Arsenates, Phosphates and Modifications of Phosphoric Acid, Graham, Philosophical Transactions, 1833; Ueber das Radical der Benzoesäure, Liebig and Wöhler (Ostwald's Klassiker, No. 22); Ueber die Constitution der Organischen Säuren, Liebig (Ostwald's Klassiker, No. 26).

(4.) The principles and methods of qualitative analysis and of quantitative analysis, both gravimetric and volumetric, and the practical details of laboratory operations.

Candidates will be required to have prepared in pure condition not fewer than twenty inorganic compounds, and not fewer than thirty organic compounds. They must be able to carry out accurate quantitative determinations of the following elements: chlorine, sulphur, nitrogen, phosphorus, silicon, carbon, hydrogen (in organic compounds) and of the most important metals.

(5.) **CHEMICAL PHYSICS.**—Those sections of Physics which have an intimate bearing upon chemical research, viz., the properties of gases and liquids, including the kinetic theory of gases and the theory of solutions, the theory of heat, electrolysis, and the wave theory of light; physical experimental methods which are applicable in chemical research; the discussion of the degree of accuracy of experimental results. Candidates will be advised as to the course of reading for this portion of the examination in the Advanced Experimental Physics Class.

(6.) Candidates for High Honors (See §xii) will be expected to prepare a thesis embodying the results of a short original investigation.

Candidates who do not undertake an original investigation will be expected to show special familiarity with some branch of laboratory work such as the preparation of some of the complex organic compounds; the assaying of ores; the analysis of foods or of poisons; the analysis of soils; water analysis or gas analysis.

**§ IX.—Attendance.**—Professors shall mark the presence or absence of students immediately before commencing the work or the class, and shall note as absent those who enter thereafter, unless satisfactory reasons be assigned. The number of times absent, as recorded in the class registers, which shall disqualify for the keeping of a Session, shall be determined by the Faculty.

**§ X.—Examinations.**—(1.) Students are required to appear as candidates at the various examinations held in connection with the classes which they may attend as parts of their course, and to prepare such theses, essays, reports, etc., as may be prescribed by the Professor. In all classes two examinations are held, one just before the Christmas vacation, and the other after the close of lectures in the Spring. In some classes, other examinations are held at dates appointed by the Professor. In the determination of the Pass List and in the award of Class Distinctions, which may be of two grades—First and Second Class, the results of these various examinations and the degrees of excellence shown in theses, essays, reports, shall be taken into consideration.

General Students are admitted to the above examinations as well as undergraduates, so far as the dates of the Almanac may permit; and their positions in the Pass and Distinction Lists are determined in the same way.

Certificates are issued to members of each class stating with what degree of regularity they have attended and what standing they have attained.

(2.) A student who fails to obtain a position on the Pass List in one or more subjects at the end of any Session shall be allowed a Supplementary Examination in such subjects, at the beginning of the next Session of his attendance, on the day appointed for that purpose in the University Almanac, (Sept. 12th, 1898). He may also present himself at the ordinary Christmas and Spring Examinations of such next Session. The fee for a Supplementary Examination, or for appearing as above provided, at the Christmas and Spring Examinations, shall be Two Dollars in each subject, but in the case of students failing in more than two subjects, the maximum fee shall be Five Dollars.

(3.) A student who has failed either to appear or to pass at the Supplementary or other Examination provided for by (4) may, on application to the Faculty, be granted a Special Supplementary Examination at the beginning of any subsequent Session. But, if in the meantime, the student have attended a more advanced class in the same subject, he will be expected to show greater proficiency than if he had passed the examination at the proper date. The fee for a Special Supplementary Examination will be Five Dollars per subject, but if the examination includes more than two subjects, the maximum fee will be Ten Dollars.

(4.) A student who fails either to appear or to pass at a Supplementary Examination, shall not be allowed a Special Supplementary Examination in the same Session, except by special permission of the Faculty; and in cases in which such Examination is granted, the fee provided for by (5) must be paid.

(5.) Students wishing to appear as candidates at any Supplementary or Special Examination, shall be required to give notice of their intention, to the Secretary of the Faculty, at least one week before the date of such examination. The fee to be remitted with such notice.

**§ XI.—Degrees with Distinction.**—Degrees with Distinction will be conferred on undergraduates for special excellence shewn at the Examinations of the Third and Fourth Years of any of the ordinary courses for degrees, Mathematics of the Second Year being for the purpose of this rule regarded as a Third Year Class.

In awarding such Distinction, the Faculty, while requiring that candidates shall attain a good standing in all their classes, will lay special stress on the attainment of a high standing in

a few related subjects, in which "additional" private work is required as a condition of Distinction.

The terms used to designate the student's standing will be :  
With Distinction, With Great Distinction.

**§ XII.—Degrees with Honours.**—Degrees with Honours in any of the departments of study in which Special Courses are provided, will be conferred on undergraduates for special excellence shewn at the Examinations in the subjects of such courses.

Successful candidates will be declared to have obtained their degrees, With Honours, With High Honours.

A candidate for Honours may defer his examination in the subjects of his Special Course until a year after he has passed the examinations in the ordinary subjects of the Fourth Year ; in which case, however, such candidate shall not be entitled to his Degree until he has passed the examinations of such Special Course.

**§ XIII.—Short Courses of Study for General Students.**—(1.) For the benefit of students who may not be able to spend four full years at the University, but may be able either to spend two full years or to give partial attendance for a longer period, short courses of study have been arranged, as specified below.

Students entering upon these courses are not required to pass any preliminary examination ; but they are recommended not to enter classes in which some knowledge of the subjects studied is assumed, without first consulting the Professor as to their ability to enter with profit upon the work of the classes.

To students who attend the classes in these courses with regularity, show diligence in the class work, and are successful in passing the examinations, certificates will be issued stating the nature of the course pursued and the degree of success attained.

The details of the subjects studied in the classes mentioned below, will be found under Courses of Instruction (§§ i., xxv., xlv.).

(2.) **Short Courses of Liberal Studies.**—The aim of this course is to give the student the same kind of training as that provided by the B. A. and B. L. courses. It consists of ten classes. Of these, two must be in English, and the remainder may be selected by the student, subject to the provisions of the Time Table, from the other subjects mentioned in this paragraph, with the following restrictions :—(a.) One of the four subjects—Latin, Greek, French, German—must be taken during two years, and if another of these subjects be selected, it also must be taken during two years. (b.) At least

two of the four subjects—Mathematics, Physics, Chemistry, Botany,—and at least two of the three subjects—History, Political Economy, and Philosophy,—must be taken for one year each; and any two of them, if subjects in which two classes are provided, may be taken during two years. The class in any subject in which a student shall enter will be that for which he is fitted by his previous study.

(3.) **Short Course in Subjects bearing on Journalism.**—The aim of this course is to enable a student to study as thoroughly as the time at his disposal will permit, subjects which have a direct bearing on newspaper work in Canada. It consists of the following classes:—English (Second, Third and Fourth Classes), French (during two years), Junior Philosophy, Moral Philosophy, History, (Junior and Senior Classes). Political Economy, Constitutional History and Constitutional Law. Persons who have already acquired the requisite proficiency in some of the above subjects, may take other subjects in place of these or complete the course by attending the classes, and passing the examinations, in the remainder.

(4.) **Short Course in Subjects bearing on Commerce.**—This course is intended for young men who wish, before entering business offices to spend two years in studies bearing on their future work. It consists of ten classes, of which two must be in English, other two in one of the commercial languages—French, German,—the remaining six being selected from the following:—French, German, Mathematics, Physics, Chemistry, Political Economy, Contracts, Sales of Personal Property, Negotiable Instruments, Partnership and Companies, and Shipping and Marine Insurance.

Students who take this course may supplement it by obtaining, during the summer vacations, the practical training in business methods provided by a Business College.

§ XIV.—**Classes not Qualifying for a Degree.**—From time to time classes are organized for the benefit of persons not wishing to proceed to a degree. Announcements of such classes are made at the beginning of the term.

§ XV.—**Medals, Prizes, Scholarships, and Bursary.**

*(The Senate reserves to itself the right of withholding Medals and Prizes in cases in which sufficient merit is not shown).*

**SIR WILLIAM YOUNG GOLD MEDAL.**—Founded by bequest of the late Hon. Sir William Young, will be awarded on graduation to the student, who stands first among those taking High Honours in Pure and Applied Mathematics, provided he attain a standard considerably above that required for High Honours.

UNIVERSITY MEDALS will be awarded on graduation to students who take High Honours in other departments than Mathematics, on the same conditions as the Sir William Young Gold Medal.

THE AVERY PRIZE.—This prize, the interest of \$500, bequeathed for this purpose by the late J. F. Avery, M. D., will be awarded on graduation to the student standing highest among those graduating with Distinction. See § xi.

NORTH BRITISH SOCIETY BURSARY. — A Bursary of the annual value of \$60, founded by the North British Society of Halifax, is offered for competition at the Examinations of the Second Year's Course in Arts. It is tenable for two years, namely, during the Third and Fourth Years of the Undergraduate Course in Arts. Candidates must be undergraduates who have completed two years of the Curriculum, and must be eligible at the proper age for membership in the North British Society. The next competition will take place in April, 1900.

THE WAVERLEY PRIZE.—This prize, the interest of an endowment of \$1000, will be awarded annually to the student of the Second Year Mathematical Class, who stands highest at the Examinations of the Mathematics of the Year, the winner of the North British Society Bursary being excluded.

#### ENTRANCE SCHOLARSHIPS, BURSARY AND PRIZES.

(1.) *Junior*.—The following Scholarships, Bursary and Prize are offered for competition at the Junior Matriculation Examination in the Faculties of Arts and Science, to students entering the First Year of the Faculties of Arts and Science.

(a) Four *Sir William Young Scholarships*: of the value of Forty Dollars each, tenable for one year and payable in two instalments.

(b) One *Professors' Scholarship*; entitling to exemption from fees throughout the entire course, in classes conducted by Professors in the Faculties of Arts and Science; provided the scholar make progress satisfactory to the Faculty.

They will be awarded to the five candidates ranking highest at this examination, provided their standing be considered satisfactory by the Faculty. The successful candidates will be allowed to select, in the order of their standing, the scholarships which they shall hold. The Mackenzie bursar is not eligible.

(c) One *Mackenzie Bursary*, of the value of Two Hundred Dollars, will be offered annually in accordance with the following condition of bequest: Competitors of the name Mackenzie, Maclean or Fraser, who obtain Distinction will be given the preference. Should no candidate of the name of



Mackenzie, Maclean or Fraser obtain Distinction, the Bursary will be awarded to the candidate standing highest among those obtaining Distinction.

The Bursary is payable in four annual instalments; and the payment of any instalment is conditional on the bursar's attending the classes required for undergraduates, and making satisfactory progress therein.

(2.) *Senior*.—The following scholarships are offered for competition at the Senior Matriculation Examination in the Faculties of Arts and Science, to students entering the Second Year. See § v.

(a) One *Sir William Young Scholarship*; of the value of Forty Dollars, tenable for one year and payable in two instalments.

(b) One *Professors' Scholarship*; entitling to exemption from fees throughout the entire course, in classes conducted by Professors in the Faculties of Arts and Science; provided the scholar make progress satisfactory to the Faculty.

They will be awarded to the two candidates ranking highest at this Examination, provided their standing is considered satisfactory by the Faculty. The successful candidates will be allowed to select, in the order of their standing, the scholarships which they shall hold.

**§ XVI.—1851 Exhibition Science Scholarship.**—The Scholarship offered by Her Majesty's Commissioners for the Exhibition of 1851, which is of the annual value of £150 sterling, and is tenable for two years (see Faculty of Science, § xxxix), is open to students of the University.

**§ XVII.—Residence.**—All students are required to report their places of residence to the President on or before the day appointed in the University Almanac (October 15th.)

All students not residing with relatives or friends are required to reside in approved lodging houses.

Persons who wish to take students as boarders, must furnish the President with satisfactory references. A Register is kept by the President, containing the names of those persons who have satisfied this condition; and for the convenience of students, a list of the names and addresses of such persons will be posted on the notice-board in the College hall at the beginning of Session.

Lady undergraduates in any Faculty are admitted, on certain conditions, as boarders to the Halifax Ladies' College.

**§ XVIII.—Church Attendance.**—All students not residing with parents or guardians, are required to report to the President on or before the day appointed in the University

Almanac, (October 16th), the churches they intend to make their places of worship during the Session. Intimation will be made to the various clergymen of the city, of the names and addresses of the students who have chosen their respective places of worship.

§ XIX.—**Discipline.**—The Senate may use all means deemed necessary for maintaining discipline.

§ XX.—**Degrees of Master of Arts and of Letters.**

—The degree of Master of Arts or of Letters will be conferred on a Bachelor of Arts or of Letters, respectively, of at least one year's standing and of good character, either on his submitting to the Faculty a satisfactory thesis embodying the results of original research on some literary, philosophical or scientific subject, or on his passing an examination in a course of study, appointed or approved by the Faculty, of at least the extent represented by the academic work of one year of the Arts or Letters Course. In the latter case no fixed courses of study are laid down, the intention being to encourage graduates to prosecute advanced courses of study either at this or at any other University or by private reading, and to adapt the courses to their individual tastes and capacities. But no course of study will be approved unless it is confined either to one department of study or to closely related departments.

Theses must be sent to the Secretary to the Faculty on or before the first of March. Examinations will be held ordinarily at the time of the Spring Examinations; but in special circumstances they may be held in the Autumn. Candidates must give one month's notice of their intention to appear for examination. Fee to be remitted with notice.

The following courses have been recently prescribed for M. A. Examinations:—

CLASSICS.

Candidates for the degree of M. A. in Classics may present themselves for examination in any one of the following subjects:

1. Homer (*Iliad* or *Odyssey*); Hesiod; Aeschylus (*Agamemnon*, *Choephoroi*, *Eumenides*).
2. Aeschylus; Sophocles; Euripides (*Bacchæ*, *Hippolytus*, *Iphigenia in Tauris*).
3. Thucydides; Herodotus, (*Books IV-VI*).
4. Demosthenes, (*The Deliberative and the Public Forensic Speeches*); Aeschines, (*Against Ctesiphon*); Isocrates, (*Panegyric*); Lysias (*Against Eratosthenes*).
5. Plato, (*Republic and Phædo*); Aristotle. (*Ethics and Poetics*).
6. Vergil; Horace; Lucretius.
7. Plautus and Terence.
8. Cicero, (*Epistulæ ad Atticum*, *Phillippics*, *De Officiis*, *De Finibus Bonorum et Malorum*).
9. Livy, (*Books I-VIII*); Tacitus, (*Annals*).

Candidates will be expected to have a general knowledge of the whole literature to which their subject belongs, together with a thorough knowledge of the lives and works of the particular authors studied. Prose Composition and Sight Translation from other authors in the language chosen will also form a part of the examination.

Candidates may, on approval of the Faculty, be allowed to substitute for portions of the above, equivalents which have not been included in their undergraduate course, and Special Courses may be prescribed for candidates desiring to present themselves in both Greek and Latin.

#### ENGLISH.

COURSE I. — SHAKSPERE. I. — *Required*: (a) An exact knowledge of the contents, plots and characters of all Shakspeare's dramas and poems; and of their relation one to another in the order of development. Questions on textual criticism will not be set. (b) A competent knowledge of contemporary English literature and history. (c) A general knowledge of the course of Shakspeare criticism and study from the beginning of the Seventeenth Century to the present time.

II. *Subjects of Examinations*: four papers; (1) Shakspeare's life; contemporary literature and history; course of criticism: (2) the Comedies and Poems: (3) the Histories: (4) the Tragedies.

III. *Works recommended*: (a) Text: Delius or Cambridge editions, Temple, Victoria or Leopold: (b) History; Green's *Short History* cap. VII. Froude; *English Seamen, The Spanish Story of the Armada*; Hentzner, *Travels in England*, (Cassells); Harrison, *Description of England, (Elizabethan England, Scott Library, Walter Scott)*; Halliwell-Phillips, *Outlines*; Elze, *William Shakspeare* (Bell): (c) Comment: Dowden, *Shakspeare Primer, Mind and Art*; Moulton, *Shakspeare as a Dramatic Artist*; Aristotle, *Poetics*; Leopold ed., *Furnivall's Preface*; Lang, *Introductions to the Comedies, Harper's Monthly Magazine*, v. d.; Saintsbury, *Elizabethan Literature*.

COURSE II. TENNYSON. I. — *Required*: (a) A competent knowledge of the chief English authors and their works, and of English history, from 1830 to 1892: (b) An exact knowledge of the circumstances of Tennyson's life and literary activity: (c) A minute and critical knowledge of the text (including sources and variants) of Tennyson's complete works, special attention being paid to the poems mentioned as subjects of examination.

II. *Subjects of Examinations*: four papers: (1) Tennyson's life, contemporary history and literature: (2) The poems of 1830, 1832, 1842 (mainly): (3) *The Idylls of the King*, and *The Princess* (mainly): (4) The Dramas and Ballads, and *In Memoriam* (mainly).

III. *Works Recommended*: Biography; *Alfred, Lord Tennyson, a Memoir*; Saintsbury; *Nineteenth Century Literature*, McCarthy; *History of Our Own Times*; Stedman, *Victorian Poets*; Taine, *English Literature*, bk. vi.; Ed. Fitzgerald, *Letters*. Text; Macmillan's one vol. ed. complete. Comment; Brooke, S. A., *Tennyson, His Art and Relation to*

*Modern Life*; Van Dyke, H., *The Poetry of Tennyson*; Dawson, S. E., *A Study of the Princess* (2nd ed.); Elsdale, H., *Studies in the Idylls*, Malory; *Morte D'Arthur* (Globe ed.); Genung, J. F., *Tennyson's "In Memoriam."* Essays; Bagehot, W., *Wordsworth, Tennyson and Browning*; Brimley, G., *Alfred Tennyson's Poems*; Dowden, E., *Mr. Tennyson and Mr. Browning*; Hutton, R. H., *Tennyson*; Kingsley, C., *Tennyson*; Noel, R., *The Poetry of Tennyson*, *Contemp. Rev.*, Feb., 1885; Cheetham, S., *The Arthurian Legends*, *Contemp. Rev.*, April 1868; Swinburne, A. C., *Tennyson and Musset*, *Fortnight. Rev.*, Feb., 1881; *Dethroning Tennyson*, *Nineteenth Cent.*, Jan. 1888.

#### GERMAN AND OLD ENGLISH.

*German*: Goethe: Wahrheit und Dichtung, \*Faust, Pt. I., \*Iphigenia in Tauris, Lewes' Life of Goethe. Schiller: \*Lyrische Gedichte, \*Wallensteins Tod. Carlyle; Life of Schiller. Lessing; \*Minna v. Barnhelm.

*Old English*: \*Grammar; Sievers Book II.; \*Bright: Anglo-Saxon Reader; Aelfric: Homilies, Clar. Press; \*Gospel of Luke, Clar. Press; Beowulf, ed. Heyne.

#### PHILOSOPHY.

COURSE I.—(a) Spinoza's Ethics; Hegel's Logic. A knowledge of the History of Philosophy from Descartes to Spinoza, and from Kant to Hegel pre-supposed. (b) Psychology of Feeling and Will. The candidate is expected to consult the writings of Bain, Spencer, James, Baldwin, Ladd, Titchener, Wundt, Kulpe, Ribot, Münsterberg, Marshall and Ward on the subjects.

COURSE II.—This course contains the following subjects:—(a) Kant's Philosophy; (b) English Ethics; (c) Philosophy of Religion. The candidate is expected to show an exact knowledge of Kant's Critiques of Pure and of Practical Reason, (as contained in Watson's selections); the Development of Ethical Theory in Great Britain, from Hobbes to Green, Hobbes' Leviathan, Hume's Treatise, Butler's Sermons, Mill's Utilitarianism, Spencer's Data, Green's Prolegomena, Seth's Principles, Watson's Hedonistic Theories, Caird's Introduction to Philosophy of Religion, Lotze's Philosophy of Religion, Balfour's Foundation of Belief and Seth's Theism.

COURSE III.—This course contains (a) Development of Modern Philosophy from Locke to Kant; (b) Philosophy of Morals and of Religion. The candidate is expected to show an exact knowledge of Locke's Essay, Berkeley's Principles and Siris, Hume's Inquiry, Reid's Inquiry, Watson's Selections from Kant, Watson's Comte Mill and Spencer, and Seth's Scottish Philosophy, Plato's Republic, Aristotle's Ethics, Butler's Sermons, Mill's Utilitarianism, Spencer's Data, Green's Prolegomena, Caird's Philosophy of Religion, Seth's Theism.

§ XXI.—Degree of Doctor of Laws.—The degree of Doctor of Laws may be conferred, *honoris causâ*, for eminent literary, scientific or professional services.

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\*Works marked thus are read in class.

**§ XXII.—Admission ad Eundem Gradum.—**

Graduates of Universities approved by the Senate, who have received their degrees in course, shall be admitted *ad eundem gradum* in this University, on producing satisfactory proof of character and academic standing. For fee see § xxiv.

**§ XXIII.—Academic Costume.—(1.)**

Undergraduates and general students attending more than one class are entitled to wear caps and gowns, and to wear the gowns at lectures and all meetings of the University. The forms prescribed are the Oxford undergraduate gown of black stuff with sleeves; and the black trencher with tassel.

(2.) Bachelors and Masters of Arts, and Bachelors and Masters of Letters, of this University, shall be entitled to wear gowns, of black stuff, and hoods. The distinctive part of the costume is the hood. The following are the kinds of hood appointed for the various degrees :—

B. A.—Black stuff lined with white silk and bordered with white fur.

M. A.—Black stuff lined with crimson silk.

B. L.—black stuff, with a lining of white silk, bordered with light blue silk.

M. L.—Black stuff, with lining of light blue silk.

(3.) Successful candidates for these degrees shall be required to appear at Convocation in the proper academic costume, to have the degrees conferred upon them. Degrees will be conferred in the absence of the candidate only by special permission of the Senate.

**DOCTORS OF LAWS.**—Doctors of Laws shall be entitled to wear gowns of black silk and hoods of black silk lined with purple silk.

**§ XXIV.—Fees.—(1.)** Fees are payable by students for Registration, (entitling to the use of the Library and the Gymnasium,) for classes attended, and for certain examinations. They are payable in advance.

No student is entitled to enter a class until he has paid the proper fees.

The following is a statement of the fees payable by students whether undergraduates or general students :—

Registration Fee, payable annually by all students taking more than one class .....	\$ 4 00
Registration Fee, payable by students taking only one class .. .. .	2 00
Fee for each class attended, (not being Practical Classes), per Session. ....	6 00

Fee for Junior or Senior Chemistry, if laboratory work is taken .....	\$10 00
Fee for the Practical Chemistry Class, five hours a week, per Session .....	8 00
Fee for the Practical Chemistry Class, ten or more hours a week .....	14 00
Fee for the Practical Physics Class, five hours per week, per Session .....	6 00
Fee for the Practical Physics Class, ten or more hours a week .....	12 00
Supplementary Examination Fee, payable on giving the notice required by § x. (7) either \$2.00 in each subject, or (§ x. (4)) .....	5 00
Special Examination Fee, payable on giving the notice required by § x. (7) in each subject.....	2 00
Fee for Special Certificate of Standing, under seal.....	5 00

(2.) The graduation fees shall be as follows :—

*Fee for the B. A. or B. L. Examination, which is payable by candidates before the Spring Examinations of the Fourth Year.....	\$ 5 00
*Fee for M. A. or M. L. Examination, which must accompany the Thesis, or intimation of intention to appear for examination.....	10 00
Fee for B. A. or M. A. ( <i>ad eundem gradum</i> ).....	10 00

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\*In cases of failure in the examination, the fee will *not* be returned; but a second examination will be allowed without further fees.

# Faculty of Pure and Applied Science.

THE PRESIDENT, (*ex officio.*)

C. MACDONALD, M. A.	J. LIECHTI, A. M.
J. G. MACGREGOR, D. SC.	A. MACMECHAN, Ph. D.
M. MURPHY, D. SC. C. E.	E. GILPIN, JR., LL. D.
F. W. W. DOANE, C. E.	C. E. W. DODWELL, B. A., C. E.
R. MCCOLL, M. Can. Soc., C. E.	W. C. MURRAY, M. A.
A. MCKAY, ESQ.	A. W. H. LINDSAY, B. A., M. D.
L. M. SILVER, M. B.	S. A. MORTON, M. A.
C. ARCHIBALD, M. E.	ALEXANDER DICK, M. E.
H. W. JOHNSTON, C. E.	W. T. KENNEDY, ESQ.
G. J. MILLER, ESQ.	E. MACKAY, Ph. D.

A. HALLIDAY, M. D.

*Dean of the Faculty*: PROFESSOR MACGREGOR.

*Registrar of the Faculty*: PROFESSOR LIECHTI.

Correspondence should be addressed:—*The Dean of the Faculty of Science, Dalhousie College, Halifax. N. S.*

## § XXV.—Courses of Instruction.

### i.—MATHEMATICS.

*Professor*.....C. MACDONALD, M. A.

#### Junior Class.

*Daily, 11 A. M.—12 M.*

As in the Faculty of Arts (see § I (xi), p. 29)—Undergraduates of this Faculty, taking Courses A, B, E, F, G, or H (§ xxx) will be expected both to qualify themselves by diligent study for taking, and to take, the additional work for Distinction.

#### Senior Class.

*Daily, 10—11 A. M.*

As in the Faculty of Arts (see § I (xi), p. 29)—Undergraduates of this Faculty taking Courses A, B (if they are to enter the Special Course in Chemistry and Chemical Physics, § xxxi), E, F, G, or H, are required to qualify themselves by diligent study for entering, and to enter, the Higher Division of this Class. Only students who pass a satisfactory examination in

the work of the Higher Division are admitted to the Advanced Class, which is one of the third year classes in the Courses mentioned above.

#### Advanced Class.

As in the Faculty of Arts (see § I (xi), p. 30)—The work of the First Division of this class is taken up in the third year, that of the Second Division in the fourth year.

The "partial course" of study prescribed in the third year of some of the B. Sc., Courses (§ xxx) consists of a portion of the work of the First Division in Analytical Trigonometry, Analytical Geometry, and the Differential Calculus.

The "partial course" prescribed in the fourth year of such Courses, consists of a portion of the work of the Second Division in Analytical Geometry, Differential and Integral Calculus and Differential Equations.

#### ii.—PHYSICS.

*Professor*.....J. G. MACGREGOR, D. Sc.

*Mondays, 4-5 P. M.. Tuesdays and Thursdays,  
11 A. M.—12 M.*

The subjects of the lectures will be:—The Elements of Dynamics; the Properties of Solid and Fluid Bodies; Heat; Electricity and Magnetism; Light and Radiant Heat; and Sound. These subjects will be treated in an elementary manner, the mathematical knowledge assumed being no greater than may be required in the Junior Class.

Besides the Christmas and Spring Examinations, others are held at unspecified dates, and students are expected throughout the Session to hand in Problem Papers for correction and criticism.

*Books of reference:* Students are recommended to read Knott's Physics (W. & R. Chambers, Edinburgh, 7/6) in connection with the lectures. Those who aim at passing merely will be expected to read only such portions as discuss subjects treated in class. Those who aim at Distinction will be expected to read the discussions in the text book and other books recommended by the lecturer, of all subjects referred to in class, as well as to acquire considerable power of applying principles to practical problems. Students taking courses E, F, or G, will be expected to read the chapters on Hydraulics in Cotterill and Slade's Applied Mechanics (Macmillan & Co.).

#### Senior Physics Class.

*Mondays and Wednesdays, 10-11 A. M.*

The subjects studied in this class consist of those departments of Physics which are of special importance on account of their industrial applications. They will be treated as thoroughly as is consistent with the employment of elementary mathematical methods, no greater knowledge of Mathematics being assumed than may be acquired in the Senior Class.

The course being too extensive to be completed in a single Session, different portions will be taken up in alternate years, as follows:

In 1898-99. The Kinematics and Dynamics of a particle, of a rigid body, and of elastic solids and fluids. The Professor's Kinematics and Dynamics (Macmillan & Co.), will be used as a



text-book, and candidates for Distinction will be expected, not only to acquire considerable power of solving problems, but also to read portions of the text-book not treated in class.

In 1899-1900. Heat, including a discussion of heat engines, and Electricity and Magnetism, including a discussion of dynamo-electric machines. Maxwell's Theory of Heat (Longmans, Green & Co.), and Foster and Atkinson's Electricity and Magnetism (Longmans, Green & Co.), will be used as class-books, candidates for Distinction being expected to read privately, the discussion in these books of subjects not fully treated in class, and to give special attention to the solving of problems. Ewing's Steam Engine and other Heat Engines (Camb. Univ. Press) and Thompson's Dynamo-electric Machinery (Spon) will be used as books of reference in the lectures on industrial applications.

#### Advanced Mathematical Physics Class.

As in the Faculty of Arts (see § I (xiii), p. 32)—The "partial course" of study in this class in the fourth year of some of the B. Sc. Courses (§ XXX), consists of the following subjects:—

For 1898-99: Either Thermodynamics or Electrodynamics.

For 1899-1900: Kinematics and dynamics of a particle and of a rigid body.

#### Advanced Experimental Physics Class.

As in the Faculty of Arts (see § I (xiii), p. 33).

#### Practical Physics Class.

As in the Faculty of Arts (see § I (xiii), p. 33)—Students taking Course B (see § XXX) will devote a considerable portion of their time to physico-chemical methods of experiment; those in course C, to illustrative experiments and the determination of simple physical laws; those in course D, to thermal and electrical experiments; those in courses E, F, and G, to the elastic properties of bodies and thermal and electrical experiments; and those in course H, to electrical measurements.

### iii.—CHEMISTRY.

(*McLeod Professorship.*)

Professor ..... E. MACKAY, PH. D.

#### Junior Chemistry Class.

*Mondays, Wednesdays and Fridays, 9-10 A.M.*

The lectures in this class deal in an elementary way with the principles of general chemistry. In the earlier part of the course the chemistry of fire, of water and of air is studied, the order of historical development being followed as nearly as possible; and when some acquaintance with chemical facts has thus been gained, the fundamental laws of combination are taken up and the atomic theory and chemical formulae are introduced. This is followed by a study of chlorine and carbon and of the neutralization of acids. The classification of the elements is then discussed, and thereafter the principal remaining elements are studied, each in connection with the

group of elements in the periodic system to which it belongs. The lectures are illustrated as fully as possible by experiments. Examinations, oral or written, are held fortnightly, and occasional written exercises are required.

Every student is required to devote from three to five hours per week to laboratory work. The laboratory course is designed to make the student familiar with ordinary laboratory operations and to give him a practical acquaintance with the elementary facts of chemistry. Several common inorganic substances are prepared and studied; simple quantitative experiments are performed; and some time is devoted to elementary work in qualitative analysis.

*Books recommended:* Remsen's *Introduction to the Study of Chemistry* (Macmillan & Co.), or Storer and Lindsay's *Manual of Chemistry* (American Book Co.). In the laboratory, Remsen's *Introduction to the Study of Chemistry* is used.

#### Senior Chemistry Class.

*Tuesdays and Thursdays, 9—10 A. M.*

The lectures in this class are for the first few weeks devoted to a fuller discussion of some of the principles of inorganic chemistry than is given in the Junior Class. The constitution of acids, bases and salts; the determination of atomic and molecular weights; and the principal reactions used in qualitative analysis are the chief topics taken up. The remainder of the year is devoted to organic chemistry. Special attention is given in this part of the course to a study of the experimental evidence upon which the constitutional formulæ of organic compounds are based.

From three to five hours weekly are devoted to laboratory work. This will include a fuller course in qualitative analysis than is given in the Junior Class, and in addition the preparation of pure laboratory reagents and of typical inorganic and organic substances.

*Books recommended:* In organic chemistry, Remsen's *Compounds of Carbon* (Macmillan & Co.). In inorganic chemistry references are given to text-books in the library.

#### Advanced Chemistry Class.

*One hour weekly.*

The subjects treated in this class will be:

In 1898-99.—History of chemical theory.

In 1899-1900.—Methods of quantitative analysis.

A part of the time of the class will be given to the study of such portions of the reading prescribed in the Special Course in Chemistry and Chemical Physics as offer special difficulty.

#### Advanced Practical Chemistry Class.

Courses are provided in general quantitative analysis, and, so far as the resources of the laboratory permit, in its special branches.

**QUANTITATIVE ANALYSIS.**—The work in this course is designed to illustrate typical methods in quantitative analysis. It will include the quantitative estimation of chlorine, iodine,

sulphur, nitrogen, phosphorus, silicon, carbon, hydrogen, and of the metals silver, copper, iron, manganese, aluminium, calcium and potassium. Volumetric methods, as well as gravimetric, are employed whenever applicable.

**TECHNICAL ANALYSIS.**—Students having a sufficient training in general quantitative analysis may undertake work in one or more of the following technical applications of analysis: (a) Assaying of ores. (b) Analysis of foods or poisons. (c) Analysis of soils. (d) Analysis of potable waters. (e) Gas Analysis.

#### Assaying.

The work of this course will include the assay of ores of the principal metals in the wet way, and the furnace assay of the ores of lead, copper and silver, the results being checked by analysis.

All students doing laboratory work are required to keep a detailed record of their experiments. The character of this record is a factor in determining the standing of a student in the class lists.

The Chemical Laboratory accommodates about eighty students. A reference library is placed in the balance-room for the use of students doing analytical work.

The Laboratory is open daily, Saturdays excepted, from 10 a. m. to 1 p. m., and from 3 to 5 p. m. on Tuesdays, Wednesdays and Thursdays.

#### iv.—MINERALOGY,

Lecturer ..... E. MACKAY, Ph. D.

*Tuesdays and Thursdays, 11 A. M.—12 M.*

The instruction in mineralogy is given by means of lectures and laboratory work. The lectures are upon crystallography, the physical character of minerals, and the description of mineral species, and are illustrated by a collection of crystal models and the minerals of the McCulloch Collection. In the laboratory the student first learns the use of the blow-pipe and the chief blow-pipe reactions. Practice is then given in the determination of minerals by blow-pipe tests and by other methods. For Distinction two hours a week must be devoted to laboratory work.

Students who take this course must have previously taken Junior Chemistry, or an equivalent course in chemistry.

*Text Books:* Williams' *Elements of Crystallography* (H. Holt & Co.); Dana's *Minerals and How to Study Them*, and *Manual of Mineralogy*, (Wiley & Son.).

#### v.—APPLIED MECHANICS.

Lecturer.....J. G. MACGREGOR, D. Sc.

*Tuesdays and Thursdays, 10—11 A. M.*

The object of this class is to study the practical application of Dynamics to the various branches of Engineering. The series of lectures will form a two years course, so arranged

that students may enter the class at the beginning of either year. The subjects studied will be as follows :

In 1898-99. Resumé of the Principles of Statics: The Theory of Structures, including the equilibrium and stability of beams, frames, trusses, and girders, of chains, cords, and ribs, and of abutments, arches, and vaults, with straining actions due to loads; the Strength of Materials, including the relation of stress to strain and resistance to stretching, shearing, crushing, bending, twisting, and wrenching. Graphical methods will be studied and practised, Hoskins' Elements of Statics (Macmillan & Co.) being used as text book. Other books, such as Cotterill's Applied Mechanics (Macmillan & Co.) and Lanza's Applied Mechanics (J. Wiley & Son), will be used for reference.

In 1899-1900. Resumé of the principles of Dynamics.—The Mechanics of Machinery, including (a) Kinematics; relative velocities and accelerations; velocity and acceleration diagrams; link-work, wheel-teeth, belts, cams, the screw, conic mechanisms, bevel and skew gearing, parallel motions, etc. (b) Dynamics; equilibrium of mechanisms, force and work diagrams, inertia of moving parts, fly-wheels, governors, friction. (c) Energetics; production, transmission, and measurement of power, prime movers.—Kennedy's Mechanics of Machinery (Macmillan & Co.) will be used as text book, being supplemented by reference to other works, such as Cotterill's Applied Mechanics (Macmillan & Co.).

Students will be expected to acquire considerable power of solving problems, and to read privately, specified portions of books of reference on subjects not fully discussed in class.

## vi.—DESCRIPTIVE GEOMETRY.

Lecturer.....S. A. MORTON, M. A.

This course of lectures will include the following subjects; Plane Geometry: construction of scales, construction and areas of plane figures, properties and construction of curves; Solid Geometry: problems on the straight line and plane, projection of lines, planes and solids, simple intersections of planes and solids, easy examples of projection of shadows.

*Books of reference:* Angel's Practical Plane Geometry and Projection, Millar's Descriptive Geometry, Spanton's Science and Art Drawing.

## vii.—DRAWING.

The following classes of the Victoria School of Art and Design are recognized as qualifying for a degree:

The classes in the subjects of Free-hand Drawing, Geometrical Drawing, Shaded Drawing from the Round, Modelling in Clay, Principles and Practice of Decorative Design, and Elements of Perspective. This course of instruction extends over three years, and is the one to be taken by students preparing for Science Masterships in Schools.

The classes in Mechanical Drawing, including Practical Geometry, Descriptive Geometry, Projection of Lines, Planes and Solids, Sections by Planes, Developments, Penetrations, Curved Surfaces and Surfaces of Revolution, Preparation of

Working Drawings of Machines to scale. This course of instruction extends over three years, and is the one to be taken by Engineering Students

The class in Building Construction and Architecture may be taken by Civil Engineering Students instead of the third year of the Mechanical Drawing Class.

#### viii.—CIVIL ENGINEERING.\*

*Lecturer*.....M. MURPHY, D. Sc., C. E., *Provincial Engineer.*

*Once a fortnight.*

The subjects treated will be:—Materials and Constructions; Earth-work; Masonry; Carpentry; Structures of Timber, Stone and Iron; the Construction of Common roads; Railways; Bridges; Water Supply for Towns; and Reclamation of land from the sea.

Such works as are named above are generally in operation in Nova Scotia, under the supervision of the Provincial Engineer, and advanced students in the Engineering Class will be afforded an opportunity of examining them under construction.

Text books and books of reference will be announced at the opening of the class.

#### ix.—SURVEYING.

*Lecturers*..... { R. MCCOLL, M. Can. Soc. C. E., *Asst. Prov. Engineer.*  
                          { H. W. JOHNSTON, C. E., *Asst. City Engineer.*

**Junior Class.**

*Once a week.*

The subjects treated will be Chain and Angular Surveying; use and adjustment of Compass, Sextant, Level (Dumpy, Wye, &c.), Transit, Theodolite, Aneroid Barometer; Plotting; Topography and Contouring.

Practical operations will be carried on in the field, and will include (1) Survey with Compass and Chain, (2) Triangulation with Sextant, (3) Road traverse with Compass, Sextant and Chain, (4) Road traverse with Transit and Chain, (5) Contour Survey, (6) Survey with Transit and Level, (7) Cross-sectioning with Level, (8) Cross-sectioning with hand level and levelling rods, and (9) Ranging Curves.

**Senior Class.**

*Once a week.*

Preliminary Survey, Location of a Railway, Laying out Work, Calculating and Estimating Quantities, Hydrographic Surveying, Mining Survey.

Students will be expected to keep complete notes, and to prepare all drawings required from them.

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\*If there should not be a sufficient number of students to form a class in this subject, the lectures will not be given, but the student will pursue a course of reading under the supervision of the Lecturer.

## x.—MINING.\*

Lecturers..... { E. GILPIN, JR., A. M., LL. D.  
C. ARCHIBALD, M. E.  
ALEXANDER DICK, M. E.

Three courses of about twelve lectures each will be given in the following subjects :

Geology in relation to Mining, Occurrence of Veins and Beds, Prospecting, and Preliminary Operations.

Shaft and Slope Sinking, Mining Operations, Ventilation, Valuation of Properties.

Pumping, Hoisting, Mining Appliances, Cleaning of Ores and Coal.

*Text Books* (preliminary list): Smith's Coal Mining; Andre's Treatise on Coal Mining; Chance's Coal Mining, Pennsylvania; Dana's Metalliferous Mines; Merrivale's Notes and Formulæ; Geikle's Outlines of Field Geology; Ihlseng's Manual of Mining.

## xi.—HYDRAULIC ENGINEERING.\*

Lecturer.....C. E. W. DODWELL, B. A., M. I. C. E.

*Once a fortnight.*

The subjects treated will be as follows:—

Flow of water through orifices and short tubes, and in pipes and open channels.

Water supply to cities and towns; Quantity and quality necessary; Rainfall, watershed, springs, wells, lakes and rivers; Storage of water of natural and artificial reservoirs; Measuring weirs and stream gauging; Filtration and other methods of treating impure waters; Construction of dams of stone, earth and timber; Details of Construction of a town supply; Mains and distribution pipes, thickness, weight, strength, methods of moulding, preserving and laying; Valves, hydrants, &c.; Pumping engines.

Turbines and water-wheels.

River improvements.

## xii.—MUNICIPAL ENGINEERING.\*

Lecturer.....F. W. W. DOANE, C. E.

*Once a fortnight.*

The subjects treated will be :—Streets,—laying out, opening, formation, sidewalks, paving, cleaning, sprinkling, street railways, obstructions, &c.; works of sewerage—grades, materials, foundations, sectional form, course, ventilation, flushing, subsoil drainage, intercepting sewers, sewage disposal, &c.; house drainage and plumbing, roof water disposal, cesspits, disposal of garbage, &c.; water supply, plumbing—service pipes, stopcocks, effect and prevention of waste, &c.

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\*If in any year there should not be a sufficient number of students to form a class in this subject, the lectures will not be given, but the students will pursue a course of reading under the supervision of the Lecturers.

## xiii.—BOTANY.

Lecturer .....

Tuesdays and Thursdays, 2—3.30 P. M.

The course in Botany will include a general sketch of the whole vegetable kingdom (from the Protophyta to the Anthophyta) with macroscopic and microscopic demonstrations of type forms illustrating the structure, development, physiology, products and principles of classification. General attention will be given to the native *flora* of the Province, with special notice of foreign as well as native species of interest from economic, medicinal or injurious properties.

The preliminary study of Botany as indicated in Grade IX of the Public School Course, and especially the formation of a local collection of plants, even if unnamed and unclassified, will be an advantage to any student entering upon the course.

Practical instruction will be given in the collecting, drying and mounting of specimens, the use of the microscope, the preparing of microscopic sections, and the general dissection of plants; and all students will be required to present a collection of at least 100 plants, representing the local flora examined by them, together with their notes and drawings of microscopic work done during the Session, as a portion of their terminal examination. The use in class of a number of microscopes will be granted the students under the care and direction of the lecturer; but a hand lense, glass slides, cover glass, scalpels and other apparatus or books necessary to each student, must be supplied by each for himself.

Students of the C or D Course in the Faculty of Pure and Applied Science are required in addition, during the summer vacation, to engage in practical botanical work, and to present, on entering their second year, either a report upon microscopical work in some special department during the summer, or a collection of specimens of native plants of the district of their residence, properly prepared and named, accompanied by a systematic catalogue.

## xiv.—ZOOLOGY.

Lecturer ..... A. HALLIDAY, M. D.

The work of the class will consist of a course of lectures supplemented by practical work.

The following subjects will be treated of in the lectures:—Organic and inorganic bodies; Life, Vital Action, &c.; Differences between plants and animals, Morphology, Physiology. Differences between Animals, Specialisation of function, Morphological Type, Von Baer's Law of Development, Origin of Species, Homology, Analogy, Reproduction, Distribution in Time and Space, Evolution, Classification. Also the general characters of the several sub-kingdoms will be treated of as fully as possible.

The practical part of the course will consist of Dissections by students themselves and demonstrations microscopic, &c.

The object of the class will be to give such a comprehensive idea of the Animal Kingdom, as will form a good basis for

any one wishing to prosecute still further the study of Biology or Comparative Anatomy and Physiology.

The course will be given only provided a sufficient number of students join the class. It will probably meet for two consecutive hours on one day a week, one hour being devoted to lecture and the other to practical work and demonstrations.

Students intending to take the class will have to provide themselves with the following articles:—1 pair forceps, 1 pair scissors, 1 or 2 dissecting needles and knives, a razor and a small hand lens.

The total cost of these articles will be about \$3.00. As they will not be required for the first week or two they need not be purchased till the opening of the class when more information will be given.

*Text Book*: Packard's Zoology (\$3.00). *Reference Text Book*: Anatomy of Vertebrates and Invertebrates, Huxley, 2 vols; Text Book of Zoology, Claus & Sedgwick, 2 vols.

#### xv.—PHYSIOLOGY (INCLUDING EMBRYOLOGY).

The University provides no instruction in this subject; but the class conducted in the Halifax Medical College by Professor L. M. Silver, M. B., and C. D. Murray, M. B., is recognized as qualifying for a degree. The class meets on Tuesdays, Thursdays and Saturdays, at 11—12 A. M., and for part of the Session on Tuesdays at 5—6 P. M. for Embryology. The fee for the course is \$15.00.

Undergraduates who take this class as part of Course C (\$xxx), are not required to attend the lectures on Embryology or to pass an examination on that section of the class work.

Undergraduates who have taken this class as part of their courses are required either to present a certificate of having passed the examination of the Faculty of Medicine or to pass an examination conducted by the Examiner of this Faculty. In the latter case a fee of \$3.00 is to be paid to the Examiner.

#### xvi.—HISTOLOGY.

The University provides no instruction in this subject, but the class conducted by Professor G. M. Campbell, B. A., M. D., in the Halifax Medical College, is recognized as qualifying for a degree. The class meets on Mondays, Wednesdays and Fridays, at 11—12 A. M. The fee for the course is \$15.00.

The regulations as to examinations are the same as in the case of Physiology, the fee payable being \$3.00.

#### xvii.—ANATOMY.

The University provides no instruction in this subject, but the Junior or the Senior Anatomy Class and the Practical Anatomy Class, conducted in the Halifax Medical College by Professor A. W. H. Lindsay, M. D., are recognized as qualifying for a degree. The Junior Anatomy Class meets on Mondays, Wednesdays, and Fridays, at 10—11 A. M. The



Senior Class meets on Tuesdays, Thursdays and Saturdays, at 10—11 A. M. The fee for either of these classes is \$15.00. The Practical Anatomy Class meets daily, 2.30—5.30 and 8—10 P. M.; fee \$15.00.

Undergraduates who have taken the Practical Anatomy Class as part of their course are required to produce evidence of having, during their attendance on such class, carefully dissected at least three "parts" of the body.

Undergraduates who have taken the above classes as parts of their course are required either to present certificates of having passed the examinations conducted by the Faculty of Medicine, or to pass before the Examiner of this Faculty a written examination in the subjects of the Junior or Senior Anatomy Class, and an oral or practical examination on such "parts" of the body as they may have dissected. In the latter case an examination fee of \$3.00 is payable, which covers both written and oral examination.

**xviii.—MENTAL SCIENCE.**

*Professor*.....WALTER C. MURRAY, M. A.

The class in Mental Science is that known in the Arts Faculty as Junior Philosophy (§ I (ix), p. 27.)

The aim of the course in Logic is chiefly disciplinary. In the Psychological course experiments will be introduced as much as possible not merely for purposes of illustration but also to supply data for inductions of psychological laws. Special attention will be given to the relation of Psychology to Educational methods.

*Text Books:* Fowler's or Jevons' Logic; Titchener: Outlines of Psychology or Primer of Psychology, James' Psychology (Briefer Course). Recommended for students in Education: Sully's Teachers' Handbook of Psychology; Morgan's Psychology for Teachers.

**xix.—EDUCATION.**

**Class of Theory and History.**

*Lecturers*..... { PROF. W. C. MURRAY, M. A.  
G. J. MILLER, ESQ.

The work of this class consists of two courses of lectures. The course on the Theory of Education is given by Prof. Murray on Wednesdays, 4—5 P. M.; the course on the History of Education is given by Mr. Miller on Wednesdays, 5—6 P. M.

*(1.) Theory of Education.*

In this course the principal questions of educational science, such as the End, the Methods, the Studies, the Teacher, The School, will be considered. Three types of Educational Theory, Instructionism, Disciplinism, and Culture, will be critically considered.

*Books recommended:* Spencer's Education; Locke's Thoughts on Education (edited by R. H. Quick); Thring's Theory and Practice of Teaching; Laurie's Institutes of Education; Laurie's Language and Linguistic Method; Fitch's Lectures on Teaching; Reports of Committees on Primary and Secondary Education (Bureau of Education, U. S. A.); Huxley's Essays on Education; Newman's Idea of a University; Mill's Inaugural Address at St. Andrew's; Ascham's The Schoolmaster; Milton's Tractate on Education; Arnold's Culture and Anarchy.



§ **XXVI.**—**The Academic Year** consists of one Session. The Session of 1898-99 will begin on the 7th September, 1898, and end on the 25th April, 1899.

§ **XXVII.**—**Admission of Students.**—The regulations for the admission of students to the classes of this Faculty are the same as in the Faculty of Arts (§ III, p. 36).

§ **XXVIII.**—**Degree of Bachelor of Science (B.Sc.).**—(1.) The regulations for the admission of students to the courses of study leading to this degree are the same as in the case of the B. A. and B. L. degrees in the Faculty of Arts, (§ IV, 2—4, p. 37).

(2.) Undergraduates who have completed a portion of their Arts or Science Courses either in this University or elsewhere, will be admitted to such advanced standing in the courses leading to the above degree, as the subjects which they have studied may seem to warrant, and arrangements will be made to enable them to complete the courses in as short a time as possible.

§ **XXIX.**—**Matriculation Examinations.**—(1.) The Junior Matriculation Examination by which a student may gain entrance to the first year of the various science courses in this Faculty, is the same as that prescribed for candidates for entrance into the first year of the B. L. Course in the Faculty of Arts. The regulations as to distinction, exemptions, dates, scholarships, &c., are the same as in the case of the Junior Matriculation Examination of the Faculty of Arts (see § v., p. 37).

(2.) The subjects of the Senior Matriculation Examination by which a student may gain entrance to the second year of the various courses in this Faculty, consist of the subjects of the Junior Matriculation Examination and of the first year of the course on which he wishes to enter (§ xxx.) The regulations as to exemptions, dates, scholarships, &c., are the same as in the case of the Senior Matriculation Examination of the Faculty of Arts. (See § vi., p. 39).

§ **XXX.**—**Courses of Study for Degree of B. Sc.**—Eight Courses of Study are provided, which lead to the degree of B. Sc. They are as follows:—

Course A has as main subjects Mathematics and Physics, and is suited to the requirements of students who wish to prepare themselves for higher teaching positions in these departments, or to obtain a thorough groundwork for a subsequent course in Engineering.

Course B has as main subjects Experimental Physics and Chemistry, and is intended to enable students to prepare themselves for higher teaching positions in these departments, or for engaging in chemical industries.

Course C includes a study of various sciences, of English and other Modern Languages, of Drawing, and of Education, and is designed to prepare students to discharge the duties of Science Masters in High Schools.

Course D has as main subjects Chemistry and Biology, and is especially suitable for students who intend to enter upon the study of Medicine. It includes a sufficient number of the scientific subjects of the medical curriculum to enable the student to shorten his subsequent medical course by one year. Students taking this course should matriculate in the Faculty of Medicine at as early a stage as possible. Classes taken in this course which are common to it and the M. D. C. M. course, are recognized as qualifying for that degree, provided the student has already matriculated in Medicine, and pays the fees required by the regulations of the Faculty of Medicine.

Courses E, F, G, H, are intended for students who aim at becoming Civil, Mechanical, Mining or Electrical Engineers respectively. Their main subjects are Mathematics, Physics (including Dynamics), Applied Mechanics, and Drawing, and they include also courses of lectures on the practice of different departments of Engineering, offered by leading engineers of the City of Halifax. Course H includes the foundation of pure science, and the earlier stages of the practical study of electricity, which are necessary for the electrical engineer.

The following is a statement of the classes which must be attended in the above courses. Details as to the subjects studied in these classes will be found under Courses of Instruction (§ xxv.) Classes to which the letters A, B, &c., are attached, are to be taken in the Courses indicated above by the same letters. Those to which no letters are attached, are common to all the Courses.

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**First Year.**

- (1.) Junior Mathematics.
- (2.) Junior Chemistry.
- (3.) For A, B, E, F, G, H, Drawing. For, C, D, Botany.
- (4.) First English.
- (5.) French.
- (6.) German.

Undergraduates in Courses C and D are required to present on entering their Second Year, either a report upon microscopical work in some special department conducted during the summer, or a collection of specimens of native plants of the district of their residence, properly prepared and named, accompanied by a systematic catalogue.

**Second Year.**

- (1.) Senior Mathematics.\*
- (2.) Junior Physics.\*
- (3.) For B, C, D, Senior Chemistry. For A, E, F, G, H, Practical Chemistry,
- (4.) Drawing.
- (5.) Second English.
- (6.) For B, D, French or German. For A, C, E, F, G, H, Descriptive Geometry.

**Third Year.**

- For A.—Advanced Mathematics; Senior Physics; Mental Science; French or German.
- For B.—Senior Physics; Advanced Practical Chemistry; Mineralogy; Practical Physics; French or German.
- For C.—Practical Physics; Advanced Practical Chemistry; Mental Science; French or German; Drawing; Education (Theory and History, and Practice), Zoology.
- For D.—Practical Physics; Advanced Practical Chemistry; Mental Science; French; German; Zoology.
- For E.—Advanced Mathematics (partial course); Senior Physics; Applied Mechanics; Drawing; Surveying; French or German.
- For F.—Advanced Mathematics (partial course); Senior Physics; Applied Mechanics; Drawing; Surveying; French or German.
- For G.—Advanced Mathematics (partial course); Senior Physics; Applied Mechanics; Mineralogy; Drawing; Surveying; Advanced Practical Chemistry.
- For H.—Advanced Mathematics; Senior Physics; Practical Physics; Applied Mechanics (Mechanics of machinery) or Drawing; Advanced Practical Chemistry (in either 3rd or 4th year).

**Fourth Year.**

- For A.—Advanced Mathematics; Senior Physics; Advanced Mathematical Physics; French or German or Practical Physics.
- For B.—Senior Physics; Practical Physics; Advanced Practical Chemistry; French; German.

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\*Undergraduates taking Courses A, E, F, G, H, and those taking B, if they are to enter the Special Course in Chemistry and Chemical Physics, must give special attention to Mathematics in the second year. Unless they pass a satisfactory examination in this subject, including the additional work for Distinction, they are not allowed to enter the Advanced Mathematics Class in the third year. Undergraduates taking the above courses are required also to take the additional work for Distinction in the Junior Physics Class.

For C.—Advanced Practical Chemistry or Practical Physics ; Mineralogy ; Physiology ; Drawing ; French or German ; Education (Practice).

For D.—Advanced Practical Chemistry ; Physiology, including Embryology ; Anatomy ; Practical Anatomy ; Histology ; French or German. (An undergraduate taking Course D, who wishes his fourth year to qualify for a medical degree, must previously to his entering upon it, have satisfied the requirements of the Medical Faculty with regard to Matriculation and must also satisfy its requirements as to the payment of fees.—See Faculty of Medicine.)

For E.—Advanced Mathematics (partial course) ; Senior Physics ; Advanced Mathematical Physics (partial course) or Practical Physics ; Applied Mechanics ; Mineralogy ; Surveying ; Civil Engineering ; Hydraulic Engineering ; Municipal Engineering.

For F.—Advanced Mathematics (partial course) ; Senior Physics ; Advanced Mathematical Physics (partial course) ; Practical Physics ; Applied Mechanics ; Civil Engineering ; Hydraulic Engineering.

For G.—Advanced Mathematics (partial course) ; Senior Physics ; Applied Mechanics ; Assaying ; Mining ; Surveying ; Civil Engineering, Hydraulic Engineering.

For H.—Advanced Mathematics ; Advanced Mathematical Physics (partial course) ; Senior Physics ; Practical Physics ; Drawing or Applied Mechanics (Mechanics of Machinery) ; Municipal Engineering.

### § XXXI.—Special Courses for Degree of B. Sc.—

(1.) An undergraduate shall be allowed during the third and fourth years of his B. Sc. course, to restrict his attention to a more limited range of subjects than that of most of the above ordinary courses, provided his standing at the examinations of the first and second years, especially in the subjects corresponding to the Special Course on which he proposes to enter, seems to the Faculty to warrant such restriction.

Special Courses are provided in the following departments :

(1) Pure and Applied Mathematics ; (2) Mathematics and Physics ; and (3) Chemistry and Chemical Physics.

An undergraduate taking a special course in any of these departments shall be required to attend the Advanced Classes provided in the subjects of such department (see § xxv.), to make progress satisfactory to the Professors who conduct such classes, and to pass at the end of the fourth year, an examina-

tion in the subjects of such department ; and he shall in some cases be allowed to omit from the ordinary course he is pursuing, certain subjects specified below.

(2.) The Special Course in **Pure and Applied Mathematics** is open to undergraduates taking the ordinary courses A, E, F, G, and H. Those taking Course A may substitute Practical Physics for Mental Science in the Third Year. Those taking courses E, F, G, and H, must take the complete courses in Advanced Mathematics and Advanced Mathematical Physics. In course E any two of Senior Physics (Heat and Electricity), Applied Mechanics (Mechanics of Machinery) and Mineralogy may be omitted. In course F Assaying and Applied Mechanics (Theory of Structures) may be omitted. In course G Applied Mechanics (Theory of Structures) and Civil Engineering may be omitted. In course H one subject to be approved by the Dean may be omitted in the Fourth Year.

The subjects of examination are the same as in the corresponding course in the Faculty of Arts (see § VIII (11) p. 49).

(3.) The Special Course in **Mathematics and Physics** is open to undergraduates taking the ordinary course A. They are recommended to take German in the second as well as the first year. They are required in their third year to take Advanced Mathematics, Senior Physics, Practical Physics, Senior Chemistry, Practical Chemistry, and (if not taken in the second year) German ; and in their fourth year, Advanced Mathematics, Advanced Mathematical Physics, Advanced Experimental Physics, Senior Physics and Practical Physics.

They will be required in the course of their laboratory work in Physics and Chemistry to prove their ability to make accurate determinations of physical constants, to conduct investigations of physical laws, and to carry out qualitative and quantitative analyses (both gravimetric and volumetric) of inorganic bodies.

Those who aim at High Honours will be expected either to prepare a thesis embodying the results of a short original investigation, or to exhibit a high standard of excellence in the more mathematical parts of the course.

The subjects of the examination will be the same as in the corresponding Special Course of the Faculty of Arts (§ VIII (12) p. 50).

(4.) The Special Course in **Chemistry and Chemical Physics** is open to undergraduates taking the ordinary course B. They are recommended strongly to select German as one of the subjects of their second year. They are required in their third year to take the following classes :—Advanced Practical Chemistry, Advanced Mathematics (partial course), Junior Physics (with work in the Laboratory), Senior Physics,

and German ; and in their Fourth Year, the following classes:—Advanced Practical Chemistry, Advanced Mathematics (partial course), Advanced Experimental Physics, Senior Physics and Practical Physics.

The subjects of examination and other requirements will be the same as in the corresponding Special Course of the Faculty of Arts (§ VIII (13) p. 51).

§ XXXII.—**Attendance.**—The regulations as to attendance are the same as in the Faculty of Arts. (See § IX, p. 52).

§ XXXIII.—**Examinations.**—The regulations as to Examinations are the same as in the Faculty of Arts. (See § X, p. 52).

§ XXXIV.—**The Degree of B. Sc. with Distinction** will be conferred on the same condition as the corresponding degree in the Faculty of Arts (§ XI, p. 53.)

§ XXXV.—**The Degree of B. Sc. with Honours** in departments in which special courses are provided in this Faculty, will be conferred on the same conditions as the corresponding degree in the Faculty of Arts (§ XII, p. 54).

§ XXXVI.—**Short Courses of Study for General Students.**—(1.) For the benefit of students who may be unable to spend four full years at the University, but may be able to give full attendance for shorter periods, or to attend a small number of classes for a series of years, short courses of study have been arranged.

Students entering on these courses are not required to pass any preliminary examination ; but they are recommended not to enter classes in which some knowledge of the subject is assumed, without first consulting the Professors as to their ability to enter with profit upon the work of the classes.

To students who attend the classes of these courses with regularity, shew diligence in the class work, and succeed in passing the examinations, certificates will be issued stating the nature of the course pursued. and the degree of success attained.

The details of the subjects studied in the classes mentioned below will be found under Courses of Instruction (§ XXV).

(2.) **Short Course for Teachers.**—This course is intended to provide a thorough, systematic and practical training in education, together with a practical study of scientific subjects, such as will enable the student to present and illustrate such subjects adequately in the school.



It consists of the following classes (§ xxv):—Mental Science (Psychology Course), History and Theory of Education, Practice of Education, Practical Chemistry, Practical Physics, Mineralogy, Physiology, Botany, Zoology, and Drawing.

**Diploma of Literate in Education (L. E.)**—This Diploma will be awarded to students who have taken the above course, on the following conditions:

(a) Before entering upon it they must furnish evidence of general education, equal at least to that implied in the possession of the "B" Certificate of the Nova Scotian Education Office.

(b) They must pass satisfactory examinations in the subjects of the classes mentioned above, and receive the favorable report of those who conduct practical classes on their practical work.

(c) In connection with the Class of Practice of Teaching, they must have spent at least 300 hours in actual teaching; but a portion of this practical work may have been carried out in the summer vacation, provided it be under the supervision of Teachers, approved by the Faculty.

(d) The Course in Drawing must include at least 60 lessons, and must be in the department outlined in § xxv (vii).

(e) They must furnish certificates from teachers approved by the Faculty, of having attended a course of instruction of at least 30 lessons in Manual Training, and of having acquired proficiency both in this subject and in School Music (Tonic-Sol-Fa notation.)—Instruction in both these subjects may be obtained in the city of Halifax.

**(3.) Short Course introductory to Medical Study.**—This course includes the more difficult subjects of the Medical Matriculation Examination, together with a sufficient number of the subjects of the Medical Curriculum to constitute an *annus medicus*. It is as follows:

**FIRST YEAR:**—Latin; English; French; Mathematics; Junior Chemistry.

**SECOND YEAR:**—Junior Physics; Senior Chemistry; Mental Science; Botany; Anatomy.

**(4.) Short Courses for Engineering Students.**—The following courses are intended for students who are unable to give full attendance, but can give partial attendance for a number of years:

(a) **CIVIL ENGINEERING.**—Mathematics (Junior and Senior); Descriptive Geometry; Drawing; Junior Physics; Senior Physics (Dynamics); Applied Mechanics (Theory of Structures and Strength of Materials); Surveying; Civil and Hydraulic and Municipal Engineering.

(b) **MECHANICAL ENGINEERING.**—Mathematics (Junior and Senior); Descriptive Geometry; Drawing; Junior Physics; Senior Physics; Applied Mechanics (Mechanics of Machinery); Hydraulic Engineering.

(c) **MINING ENGINEERING.**—Mathematics (Junior and Senior); Descriptive Geometry; Drawing; Junior Physics; Senior Physics; Applied Mechanics; Chemistry; Practical Chemistry; Mineralogy; Mining; Surveying; Civil and Hydraulic Engineering.

(d) **ELECTRICAL ENGINEERING.**—Mathematics (Junior and Senior); Descriptive Geometry; Drawing; Junior Physics; Senior Physics; Practical Physics; Applied Mechanics (Mechanics of Machinery).

§ **XXXVII.**—**Classes for Artisans.**—Classes are organized from time to time for artisans and other persons who are engaged in forms of work involving the application of scientific knowledge. These classes are usually held in the evening. Announcements with regard to them are made at the beginning of the Session.

§ **XXXVIII.**—**Medals, Prizes, and Matriculation Scholarships.**—The Sir William Young Gold Medal, the University Medals, and the Sir William Young and Professors' Scholarships and Mackenzie Bursary (awarded at matriculation) are open for competition to undergraduates of, or candidates for matriculation in, the B. Sc. courses of this Faculty. See §§ v, xv, pp. 37, 55.

§ **XXXIX.**—**1851 Exhibition Science Scholarship.**—Her Majesty's Commissioners for the Exhibition of 1851 have, for some years, offered Scholarships in certain universities of the United Kingdom and the Colonies, with the intention of enabling students of science who have indicated high promise of capacity for original research, to continue the prosecution of science with the view of aiding in its advance, or in its industrial applications. In 1894, 1896, and 1898 they placed the nomination to one of these Scholarships at the disposal of this University, and it is expected that a similar nomination will be placed at the disposal of the University for the year 1900.

These Scholarships are of the annual value of one hundred and fifty pounds sterling, are tenable for two years, subject to the fulfilment of certain conditions mentioned below, or, by special resolution of the Commissioners, for three years, and are open to women as well as men.

The following were the conditions of nomination in 1898 :

- (a) The nominee must be a British subject.
- (b) He (or she) must, at the date of the nomination, have been for a term of three years a *bonâ fide* Student of Science

in a University or College (or in Universities or Colleges), in which special attention is given to scientific study,—a graduate who has continued to be a student at a College after graduation being regarded as a student.

(c) He must have been a student of Dalhousie College either during the academic year, at the end of which the nomination is made, or during the previous year; but in the event of his having ceased to be a student of Dalhousie College at the end of the previous year, he must have been engaged during the year of nomination solely in scientific study.

(d) He must have indicated high promise of capacity for advancing Science or its applications by original research. Evidence of capacity for original research in Science is strictly required, this being one of the main qualifications for a scholarship; and the nominee will be selected from the students qualified for nomination mainly on the ground of superiority in this respect, though the general proficiency attained in the study of Science, special knowledge of departments of Science closely related to that to which the candidate intends to devote himself, and knowledge of such subjects as French and German, which are useful in the prosecution of research, will also be taken into account.

(e) There is no absolute restriction as to age; but a nominee whose age exceeds 30 will only be accepted by the Commissioners under very special circumstances.

The nomination which is to be made by this University to the Commissioners in London, will be referred by them to a committee of eminent scientific men, who will advise them upon it; and the nomination will take effect on its being confirmed by the Commissioners.

The scholarship may be held at any University in the United Kingdom or abroad, or in some other institution to be approved by the Commissioners, the only restriction being that the institution selected shall be properly equipped for the prosecution of Science. But a scholar will be required, in the absence of special circumstances, to proceed to an institution other than that by which he is nominated.

The scholar, during his tenure of the Scholarship, must devote himself wholly to study and research more especially in some branch of Science, such as Physics, Mechanics, or Chemistry, the extension of which is especially important to our national industries; and he is not allowed during such tenure to hold any position of emolument.

The continuance of the Scholarship for the second year is dependent on the work done in the first year being satisfactory to the Scientific Committee appointed by the Commissioners.

Only one-fourth, at most, of the Scholarships granted in any one year, are renewed for a third year, the renewals being awarded to the most deserving of the candidates.

The conditions for the exceptional renewal of Scholarships for a third year are as follows:

(1) The scholar shall have published in the Proceedings of some Scientific Society, or in some Scientific Journal, an account, approved of by the Scholarships Committee, of an adequate research.

(2) The scholar shall satisfy the Committee :—

That a continuance of the Scholarship for a third year is likely to result in work of scientific importance.

That such work is not likely to recompense the scholar pecuniarily.

That the scholar is not in a position to continue the work without the help of the Scholarship.

That the scholar intends, after the expiration of the Scholarship, to adopt a pursuit in which his studies during the Scholarship, will find useful practical application.

(3) The scholar shall undertake to make a detailed report to the Commissioners of his work during the third year.

(4) The conditions on which the Scholarship was originally granted shall apply in all respects to its continuance during the third year.

The Scholarship is payable half-yearly in advance (through the Treasurer of this University, if the scholar study in America); but £25 will be reserved from the last payment until the scholar has made a satisfactory final report.

The candidate nominated is required by the Commissioners to sign the following declaration :

I, the undersigned, hereby declare that the particulars concerning me mentioned in the foregoing form are correct, and I undertake that, if a Science Research Scholarship is awarded to me, I will hold it subject to the conditions laid down by Her Majesty's Commissioners for the Exhibition of 1851 with reference thereto, and I will, during its continuance, wholly devote myself to the objects of the Scholarship and I will not during such continuance hold any position of emolument.

Students who desire to become candidates for nomination to the above Scholarship must make application to the President of the University on or before the 1st day of February, 1900. In making such application they must furnish a statement of the following particulars :—

(a) Name and address.

(b) Age and birth-place.

(c) Institution or institutions in which candidate's term of study has been passed.

(d) Specific statement of qualifications of candidate, including particulars of his College career, and of original research in which he has been engaged.

(e) Name of institution to which candidate proposes to attach himself during tenure of Scholarship.

(f) Statement of the particular scientific work, specifying the branch of a science, to which the candidate proposes more especially to devote himself.

As this University is required to certify the correctness of the above statement in the case of the candidate nominated, the statement must be accompanied by satisfactory evidence as to all particulars which are not on the University records.

Thus age, attendance at other Universities or Colleges, and accounts of original researches conducted elsewhere, must be properly attested.

**§ XL.—Residence, Church Attendance, and Discipline.**—The regulations as to residence, church attendance, and discipline, in this Faculty, are the same as in the Faculty of Arts. (See §§ XVII—XIX, p. 57).

**§ XLI.—The Degree of Bachelor of Engineering (B. E.)** will be conferred on a Bachelor of Science who has taken the Degree in one or other of the Departments of Engineering, at any date not less than one year after graduation, provided he satisfy the following conditions :

(1.) He must furnish certificates from an engineer or engineers, approved for this purpose by the Faculty, shewing that he has been engaged in practical work in some one department of engineering under their supervision for a period of at least two years, and that he has exhibited satisfactory diligence and progress. A part, or the whole, of this time may be spent in any approved Engineering School which possesses workshops or testing laboratories.

(2.) He must hand in to the Faculty designs for some constructive work, prescribed by the Faculty, in the department in which he has been engaged in practical work, the designs to be accompanied by complete working drawings giving full details, bills of materials and estimates. The designs must be accompanied by a declaration to the effect that he has received no assistance in preparing them, and he will be required to explain and defend his designs before the examiners.

(3.) Candidates for this degree must send their designs, &c., to the Dean of the Faculty on or before the first of March, and must, at the same time, pay a fee of Twenty Dollars.

**§ XLII.—The Degree of Master of Science (M.Sc.).**—The degree of Master of Science will be conferred on a Bachelor of Science of at least one year's standing and of good character, either on his submitting to the Faculty a satisfactory thesis embodying the results of original research in some department of pure or applied Science, or on his passing an examination in a course of scientific study, appointed or approved by the Faculty, of about the extent represented by the academic work of one year of the B. Sc. Course. In the latter case no fixed courses of study are laid down, the intention being to encourage graduates to prosecute advanced courses of study either at this or at any other University, or by private reading, and to adapt the courses to their individual tastes and capacities ; but no course of study will be approved unless it is confined

either to one department of Science, or to closely related departments.

Theses must be sent to the Dean of the Faculty on or before the first of March. Examinations will be held ordinarily at the time of the Spring Examinations; but in special circumstances they may be held in the autumn. Candidates must give one month's notice of their intention to appear for examination.

On transmitting the thesis, or on giving notice of intention to appear for examination, candidates must pay a fee of Ten Dollars. In any case in which the degree is not granted the candidate will be allowed to make a second application for the degree, either by thesis or examination, without payment of fee.

**§ XLIII.—Degree of Bachelor of Music (B. Mus.).**

—(1.) The regulations for the admission of students to the course for this degree are the same as in the case of the other degrees in the Arts and Science Faculties (§§ IV, XXVIII.)

(2.) The course of study for this degree is intended to extend over three years.

(3.) Persons who have completed a portion of the course at other colleges, approved by the Faculty, will be admitted to such advanced standing as the subjects which they have studied may seem to the Faculty to warrant.

**§ XLIV.—Matriculation Examinations.**

(1.) The Matriculation Examination is intended to ensure the possession on the part of candidates for the degree, of a good school education. It should in general be passed before entering upon the course of study, but may be deferred until the beginning of the second year, with the approval of the Faculty.

(2.) The subjects of the Examination are the same as those prescribed for the Matriculation Examination of the B. L. course in the Faculty of Arts (§ v, p. 37.)

(3.) The regulations as to exemptions and dates are the same as in the Junior Matriculation Examination of the Faculty of Arts (§ v, p. 37.)

(4.) Students may gain entrance to the second year of the course by passing the Matriculation Examination, and the examinations in the subjects recommended below to be taken in the first year.

**§ XLV.—Course of Study for Degree of B. Mus.**

—The Course of Study includes besides English and Acoustics the following subjects:—Harmony, Counterpoint, Canon and Fugue, Form, and History of Music, for two years in each case, Instrumentation and Analysis of Scores for one year.

Candidates are required besides attending the courses of instruction in the above subjects (§ xxv), performing the required class exercises and passing the Examinations, to compose themselves the exercises specified below and to give evidence of their ability as musical performers by playing before one or more of the Examiners, on the Piano-forte or Organ (pipe) the pieces of music mentioned below.

(2.) The classes in the above subjects need not be taken in any one definite order and may be extended over more than three years, but students are recommended to take them in the following order:—

**FIRST YEAR.**—(1) Harmony in not more than four parts; (2) History of Music from 1600 to 1750; (3) Acoustics in so far as connected with the Theory of Music; (4) English.

**SECOND YEAR.**—(1) Harmony in not more than five parts; (2) Simple counterpoint in two or three parts; (3) Canon in two parts, Imitation and Fugue in not more than three parts; (4) Form; Elementary Forms, Phrases, Periods, Open and Closed Forms; (5) Elements of Instrumentation; (6) History of Music from 1750 to present time; (7) English.

**THIRD YEAR.**—(1) Single and Double Counterpoint in not more than five parts; (2) Strict and Free Fugue in not more than five parts; (3) Form; Binary Form, Ternary Form, Rondo and Sonata; (4) Analysis of certain prescribed scores.

Exercises to be composed by the candidate: (a) A solo song with piano-forte accompaniment; (b) A four part vocal composition; (c) An instrumental composition (other than a dance), for Piano-forte, Organ, or other stringed or wind instruments with Piano-forte accompaniment.

The final examination in the practice of Music will include the following:

**For the Pianoforte.**

Prelude and Fugue in E minor.....	<i>Mendelssohn.</i>
C major Sonata (Waldstein) .....	<i>Beethoven.</i>
A $\frac{7}{8}$ major Polonaise .....	<i>Chopin.</i>
D $\frac{7}{8}$ major Nocturne. ....	“
Concert-Etude No. 1, (Waldesrauschen) ..	<i>Liszt.</i>
Rhapsodie, No. 12 .....	“

**For the Organ.**

Prelude and Fugue in E major.....	<i>Bach.</i>
Sonata in D minor (solo form).....	<i>Merkel.</i>
Air with Variations and Fugato in A.....	<i>Smart.</i>
Third Organ Sonata .....	<i>Mendelssohn.</i>

§ **XLVI.—Admission ad eundem gradum.**—Graduates in Science or in Music of Universities approved by the Senate, who have received their degrees in course, may be admitted *ad eundem gradum* in this University, on producing satisfactory proof of character and academic standing, and on payment of a fee of \$10.

§ **XLVII.—Academic Costume.**—Undergraduates and general students attending more than one class, are entitled to wear caps and gowns. The forms prescribed are the Oxford undergraduate gown of black stuff with sleeves; and the black trencher with tassel.

Bachelors of Science, of Engineering and of Music, and Masters of Science shall be entitled to wear black stuff gowns and hoods. The distinctive part of the costume is the hood, which is to be as follows :

For B. Sc.—Black stuff, with a lining of white silk bordered with crimson silk.

For B. E.—Black stuff, with a lining of white silk bordered with purple silk.

For B. Mus.—Black stuff, with a lining of white silk bordered with lavender silk.

For M. Sc.—Black stuff, with a lining of scarlet silk.

Successful candidates for these degrees must appear at Convocation in the proper academic costume, to have the degrees conferred upon them. Degrees will be conferred in the absence of candidates only by special permission of the Senate.

§ **XLVIII.—Fees.**—The regulations as to fees payable by students for classes conducted in the College shall be the same as in the Faculty of Arts (see § XXIV, p. 61.) For extra-mural classes the fees prescribed in the Institutions in which they are held, must be paid. In the subjects of Anatomy, Physiology and Histology, examination fees are payable, § XXV.

The graduation fees are as follows :—

Fee payable before the final Examinations for the B. Sc. Degree .....	\$ 5 00
Fee payable on application for the B. E. Degree .....	20 00
Fee payable before the Examinations for B. Mus., in each year of the Course .....	10 00
Fee payable on application for Degree of B. Mus. at end of Course .....	20 00
Fee payable on application for the M. Sc. Degree .....	10 00
Fee for an <i>ad eundem</i> Degree .....	10 00

In the event of the failure of a candidate for the B. Sc. or M. Sc. degree, the candidate will be admitted to one subsequent examination without the payment of a fee.



# Faculty of Law.

THE PRESIDENT, (*ex-officio*).

RICHARD C. WELDON, M. A., Ph. D., D. C. L., Q. C.

BENJAMIN RUSSELL, M. A., D. C. L., Q. C., M. P.

C. SYDNEY HARRINGTON, Q. C.

GEORGE RITCHIE, LL. B.

HECTOR MCINNES, LL. B.

CHARLES H. CAHAN, B. A., LL. B.

*Dean of the Faculty*—PROFESSOR WELDON.

*Secretary of the Faculty*—PROFESSOR RUSSELL.

## § XLIX.—Courses of Lectures.

The following Courses of Lectures to be given in the Session of 1898-9, will begin on the 31st of August, 1898, and end on the 10th of February, 1899.

### CONSTITUTIONAL AND INTERNATIONAL LAW.

(*George Munro Professorship.*)

*Professor*.....R. C. WELDON, M. A., Ph. D., Q. C.

**Constitutional Law.**

*Two lectures per week.*

Subjects of lectures :

Constitutional Conventions. Royal Prerogative.  
*Lex Parliamenti.* Colonial Laws Validity Act. B. N. A. Act.  
Select Cases; Cartwright's Cases.

**Constitutional History.**

*Two lectures per week.*

Subjects of lectures :

Feudalism in England. Origin and Growth of the two Houses of Parliament. Origin and Development of Trial by Jury. Origin and Development of the Courts of Law. The Royal Prerogative. History of the Law of Treason. The Liberty of the Person. The Liberty of the Press. History of Party Government. Origin and Development of the Cabinet

System. History of the Reform Bills. The Written Code of the Constitution. *Magna Charta*. Petition of Right. Bill of Rights. *Habeas Corpus*.

*Text book:* Taswell-Langmead's Constitutional History of England.

#### Conflict of Laws.

*One lecture per week.*

Subjects of lectures :

Leading rules as to (1) personal capacity, (2) rights of property, (3) rights of obligation, (4) rights of succession, (5) family rights, (6) forms of legal acts. The use of courts by strangers. The effect of foreign judgments. Select Cases upon the Conflict of Laws.

*Text book:* Nelson's Private International Law.

#### International Law.

*One lecture per week.*

Subjects of lectures :

History of North Atlantic Fisheries. Convention of London, 1818. Territorial Waters. Treaty of Washington, A. D. 1871. Consuls. Commercial Treaties. Naturalization. Extradition. Blockade. Contraband. Intervention. Capture. Prize Courts.

*Text book:* Hall's International Law.

### CRIMES.

*Lecturer*.....PROFESSOR WELDON.

*Two lectures per week.*

Subjects of lectures :

Sources of Criminal law. Offences against Public Order, internal and external. Offences affecting the administration of Law and Justice. Offences against Religion, Morals and Public Convenience. Offences against the Person, and Reputation. Offences against rights of property and rights arising out of Contract and offences connected with trade. Procedure. Proceedings after conviction. Actions against persons administering the Criminal Law.

*Text book:* The Canadian Criminal Code, 1892.

### SHIPPING.

*Lecturer*.....PROFESSOR WELDON.

Subjects of lectures :

Registration of Shipping. Transfer. Mortgage. Bottomry and Respondentia. Charter Party. Bills of Lading. Collision. Damage. Salvage. Freight. Towage.

CONTRACTS.

Professor.....B. RUSSELL, M. A., D. C. L., Q. C., M. P.

Two lectures per week.

Subjects of lectures :

Definition of terms ; agreement, consideration, proposal, acceptance, promise, &c. Persons who may contract, Principal and agent. Disabilities arising from infancy, coverture, lunacy, intoxication, &c. Express and implied contracts. Verbal and written contracts. Specialties, Statutory requirements as to validity and authentication of contracts ; Statute of Frauds. Causes vitiating agreements ; mistake, fraud, duress, &c. Discharge of contracts, rescission, performance, payment, release, merger, &c. Leading cases.

Text Books : Finch's Cases, and Anson on Contracts.

EQUITY JURISPRUDENCE.

Lecturer.....PROFESSOR RUSSELL.

One lecture per week extending over two years.

Subjects of lectures :

Trusts, Mortgages, Fraud, Mistake, Specific Performance of Contracts, Administration of Assets, Election, Account, Discovery, Injunction.

Text Book : Smith, H. A.

SALES OF PERSONAL PROPERTY.

Lecturer.....PROFESSOR RUSSELL.

One lecture per week.

[1898-99.]

Subjects of lectures :

Capacity to buy and sell. Executed and executory contracts of sale. Statute of Frauds. Lord Tenterden's Act. Rules as to passing of property. Reservation of *jus disponendi*. Stoppage in *transitu*. Condition. Warranty, Express and implied. Remedies of seller and buyer.

Text Book : Benjamin on Sales.

NEGOTIABLE INSTRUMENTS.

Lecturer.....PROFESSOR RUSSELL.

One lecture per week.

[1899-1900.]

Subjects of lectures :

Formal Requisites, Consideration. Indorsement and Transfer. Real and personal defences. Over-due paper. Notice of Dishonor. Protest.

Text Book : McLaren on Bills.

## EVIDENCE.

Lecturer.....MR. C. S. HARRINGTON, Q. C.

*One lecture per week.*

[1898-99.]

Subjects of lectures :

Nature of Proof. Production and Effect of Evidence. Relevancy. Instruments of Evidence.

*Text Books* : Greenleaf on Evidence ; Judicature Act and Rules.

## PARTNERSHIP AND COMPANIES.

Lecturer.....MR. C. S. HARRINGTON, Q. C.

*One lecture per week.*

[1899-1900.]

Subjects of lectures :

Constitution. Liability of partners *inter se* and to third persons. Change of firm. Retirement of partners. Dissolution. Mining ventures. Joint-stock Companies. Canada Joint-stock Companies Act.

*Text Book* : Lindley on Partnership.

## REAL PROPERTY (First Year).

Lecturer.....MR. GEORGE RITCHIE, LL. B.

*One lecture per week.*

Subjects of lectures :

Estates in Lands, Seisin, Limitation of Present Estates in Land, Limitation of Future Estates in Land, Powers, Rule in Shelly's case, Rule against Perpetuities, Uses and Enjoyment of Different Estates in Lands, Nature of Rights.

*Text Books* : Leake's Digest of Property in Land, Parts 1 and 2, and Gray's Leading Cases.

## WILLS.

Lecturer.....MR. GEORGE RITCHIE, LL. B.

*One lecture per week.*

Subjects of lectures :

WILLS.—History of Wills, Making of Wills, including Fraud Mistake, Undue Influences, Contingent and Conditional Wills, Form and Execution of Wills, Revocation of Wills, Revival and Replication of Wills, Special Limitations and Conditions in a Will, their effects and legality, Office of Executor and Administrator, Estate of Executor and Administrators, Debts of Deceased, Devises, Legacies.

PRACTICE AND PROCEDURE.

Lecturer.....MR. HECTOR McINNES, LL. B.

Subjects of lectures :

Judicature Act and Rules, General Principles of Pleading, and Rules of Practice.

Candidates for the degree of LL. B. are not [required to attend lectures or take the examination in Procedure.

TORTS.

Lecturer.....MR. CHARLES H. CAHAN, B. A., LL. B.

One lecture per week.

Subjects of lectures :

Definitions. Torts considered with reference to Crimes and Contracts. Deceit. Slander and Libel. Malicious Prosecution. Conspiracy. Assault and Battery. False Imprisonment. Enticement and Seduction. Trespass to Property. Conversion. Violation of Water Rights and Rights of Support. Nuisance. Negligence.

Text Books: Bigelow, or Pollock.

§ L.—The Academic Year.—The Academic year consists of one session. The Session of 1898-99 will begin on the 30th of August, 1898, and end on the 17th of February, 1899.

§ LI.—Admission of Students.—(1.) Students may enter the University by (a) furnishing certificates of good moral character, (b) entering their names in the Register, and (c) paying the prescribed fees.

(2.) Registered students may, on payment of the proper fees, enter any of the classes of the University.

(3.) Students who wish to obtain University Degrees must become undergraduates. They may become undergraduates by (a) passing the Matriculation Examination of the Arts Faculty or a recognized equivalent, (b) producing certificates of Articled Clerkship or the like in cases where they rely on having passed the preliminary law examinations in their several provinces, and (c) entering their names on the Register as Undergraduates.

(4.) Students who are not undergraduates are known as General Students.

§ LII.—Degree of Bachelor of Laws.—(1.) All candidates for the Degree of LL. B. are required to pass the Matriculation Examination of the Arts Faculty, or a recognized equivalent, to attend not less than five-sixths of the lectures

given in each subject of the course of study, to pass the Prescribed Examinations in the subjects of the three years course of study, and to argue at least three cases in the Moot Court.

(2.) Graduates and undergraduates in Arts of any recognized College or University, and articulated clerks or law students who have passed the preliminary law examinations in any of the Provinces of the Dominion of Canada, in Newfoundland, or in any of the British West India Islands, shall be admitted to the standing of Undergraduates of the First Year in the Faculty of Law, without passing any examination.

Students presenting themselves for the first time for registration as undergraduates in law must submit to the Dean their diplomas or certificates to establish their qualifications as graduates, undergraduates, or enrolled law students, respectively. Without such diplomas or certificates students cannot be registered as Undergraduates in law.

(3.) Undergraduates of other Law Schools may, on producing satisfactory certificates of standing, be admitted to similar standing in this Law School if they are found qualified to enter the classes proper to their years. But if their previous courses of study have not corresponded to the course on which they enter in the University, they may be required to take extra classes.

(4.) Graduates in Arts who have taken the classes of Constitutional History, Constitutional Law and Contracts, or an equivalent, as parts of their Arts Course, shall be allowed to graduate in two years from the date of their entering upon the Law Course, provided they take in those years all the other classes specified.

### § LIII.—Course of Study for the Degree of LL. B.

#### First Year.

- |                   |                            |
|-------------------|----------------------------|
| 1. Real Property. | 4. Torts.                  |
| 2. Crimes.        | 5. Constitutional History. |
| 3. Contracts.     |                            |

#### Second Year.

- |                               |                        |
|-------------------------------|------------------------|
| 1. Equity.                    | 4. Constitutional Law. |
| 2. Partnership and Companies. | 5. Shipping.           |
| 3. Negotiable Instruments.    | 6. Wills.              |

#### Third Year.

- |                       |                                |
|-----------------------|--------------------------------|
| 1. International Law. | 4. Equity.                     |
| 2. Conflict of Laws.  | 5. Sales of Personal Property. |
| 3. Evidence.          |                                |

The Faculty urgently recommend that students devote their whole time during Sessions to the work of the School, experience having proved that students who undertake office work in

addition to the work of their classes, receive comparatively little advantage from the lectures. The Course having been very considerably enlarged, the Faculty apprehend that students who are doing regular office work during session, will find it quite impossible to pass with credit the required examinations.

**§ LIV.—Sessional Examinations.**—(1.) The Sessional Examinations will begin next Session on February 11th, 1899.

(2) Students are forbidden to bring any book or manuscript into the Examination Hall, except by direction of the Examiner, or to give or receive assistance, or to hold any communication with one another at the examinations. If a student violate this rule, he shall be excluded from the Sessional Examinations of the Session, and such other penalty shall be imposed as the Faculty may determine.

(3.) If an Undergraduate fail to pass in two subjects at the Sessional Examinations, he shall be allowed a supplementary Examination in such subject or subjects at the beginning of any subsequent Session.

(4.) If an Undergraduate fail to pass in more than two subjects at any Sessional Examination, he shall loose his session.

(5.) Undergraduates who wish to present themselves at a Supplementary Examination, must give notice addressed to the Secretary of the Faculty, Dalhousie Law School, Halifax, on or before August 22nd, 1898.

(6.) The Supplementary Examination for the present year will begin August 30th, at 3 P. M. Fee \$5, payable on the day of the Examination.

**§ LV.—Moot Courts.**—Moot Courts will be held every week.

Hereafter the case to be argued will be stated by the Professor or Lecturer who is to preside. Every candidate for a degree shall be required to take part in at least three arguments at the Moot Court. The senior counsel on either side shall be required to file briefs with the Dean one week before the day on which the case is argued. A record will be kept of the values assigned to the arguments made, and these values may be considered by the Faculty in recommending a candidate for his degree.

**§ LVI.—Academic Costume.**—Bachelors of Law are entitled to wear gowns and hoods. The gowns are similar to those worn by Barristers-at-Law. The hoods are of black silk stuff, with a lining of white silk bordered with gold coloured silk.

**§ LVII.—The Library.**—The Library is in charge of a Librarian who will endeavor to make its resources available to the students and give them every possible assistance in the prosecution of their studies. Besides a good set of English and Canadian Reports, the Library has a number of sets of the leading American Reports, and will be found to contain almost all the books an undergraduate will have reason to consult. The principal English, American and Canadian legal periodicals are regularly taken. Students text-books are not found in the Library.

**§ LVIII.—Fees.**—The following are the fees payable by students of the Faculty of Law. *They are in all cases payable in advance.*

Students are requested to pay their Class Fees and sign the University Register on Tuesday, 30th August, 1898, at 10 A. M., in the office of the Law School.

Registration Fee, payable only by General Students...	\$ 2 00
Fee for each class attended, per Session, payable by General Students.....	10 00
Fee for each class attended, per Session, payable by students of the Affiliated Course.....	6 00
Fee for the classes of the First Year, payable by undergraduates.....	40 00
Fee for the classes of the Second Year, payable by undergraduates.....	40 00
Fee for the classes of the Third Year, payable by undergraduates.....	40 00
Fee for LL. B. diploma, which is payable before the final examination, and will be returned in case of failure.	10 00
Fee for the Supplementary Examination.....	5 00

Students of any year are permitted to attend lectures in the subjects of an earlier year without extra charge.

*Students will not hereafter be admitted to the Lecture rooms unless they have paid their class fees.*



# Faculty of Medicine.

THE PRESIDENT, (*ex officio*).

GEORGE L. SINCLAIR, M. D.,	MATTHEW A. CURRY, M. D.
DONALD A. CAMPBELL, M. D., C. M.	MURRAY McLAREN, M. D.
A. W. H. LINDSAY, M. D., C. M.,	WILLIAM S. MUIR, M. D.,
JOHN STEWART, M. B., C. M.	WILLIAM TOBIN, F. R. C. S., Ire.,
A. C. PAGE, M. D.,	HON. MR. JUSTICE HENRY,
DANIEL McNEIL PARKER, M. D.,	LOUIS M. SILVER, M. B., C. M.,
EDWARD FARRELL, M. D.	FRED. W. GOODWIN, M. D.,
ANDREW J. COWIE, M. D.,	F. U. ANDERSON, M. R. C. S., Eng.,
JOHN F. BLACK, M. D.,	EBENEZER MACKAY, Ph. D.,
ALEXANDER P. REID, M. D.,	W. H. HATTIE, M. D.,
A. HALLIDAY, M. B. C. M.	

*Dean of the Faculty:* DR. FARRELL.

*Secretary of the Faculty:* DR. LINDSAY.

Correspondence should be addressed :

“ *The Secretary, Faculty of Medicine,  
Dalhousie College, Halifax.* ”

§ LIX.—**Courses of Instruction.**—1. Instruction is provided by the University in the following subjects of the Medical Curriculum.

## I.—CHEMISTRY.

(*McLeod Professorship.*)

*Professor*.....E. MACKAY, Ph. D.

**Junior Chemistry Class.**

*Mondays, Wednesdays and Fridays, 9—10 A. M.*

**CLASS WORK.**—The lectures in this class deal in an elementary way with the principles of general chemistry. In the earlier part of the course, the chemistry of fire, of water, and of air is studied, the historical order of development being followed as nearly as possible, and when some acquaintance with chemical facts has thus been gained the fundamental laws of combination are taken up and the atomic theory and chemical formulæ are introduced. This is followed by a study of chlorine and carbon and of the neutralization of acids. The classification of the elements is then discussed, and thereafter the principal remaining elements are studied, each in connection with the group of elements in the periodic system to which it belongs. The lectures are illustrated as fully as possible by experiments. Examinations, oral or written, are held fortnightly, and occasional written exercises are required.

**LABORATORY WORK.**—Every student is required to devote at least three hours a week to laboratory work. The laboratory course is designed to make the student familiar with ordinary laboratory operations and to give him a practical acquaintance with the elementary facts of chemistry. Several common inorganic substances are prepared and studied; simple quantitative experiments are performed; and some time is devoted to elementary work in qualitative analysis.

*Books recommended:* For class-work, Remsen's *Introduction to the Study of Chemistry* (Macmillan & Co.), or Storer and Lindsay's *Manual of Chemistry*, (American Book Co.). For laboratory work, Remsen's *Introduction to the study of Chemistry*.

#### Senior Chemistry Class.

*Tuesdays and Thursdays, 9—10 A. M.; Fridays 10—11 A. M.*

**CLASS WORK.**—The subjects of study in this class fall into two sub-divisions. In one of these sub-divisions taken up on Tuesdays and Thursdays, the lectures are upon pure chemistry; in the other, taken up on Fridays, the lectures are upon the applications of chemistry to Medicine. In the sub-division of pure chemistry, the first few weeks are devoted to a fuller discussion of some of the principles of inorganic chemistry than is given in the Junior Class. The constitution of acids, bases and salts, the determination of atomic and molecular weights, and the principal reactions used in qualitative analysis are the chief topics taken up. The remainder of the year is devoted to organic chemistry. Special attention is given in this part of the course to a study of the experimental evidence upon which the constitutional formulæ of organic compounds are based. In the sub-division of medical chemistry the subjects of study are, for the first half year, the chemical properties and modes of detection of the more commonly occurring poisons; and for the second half year physiological chemistry. In the latter subject the chief topics treated are:—The chemical properties of the protein substances; the blood; the digestive fluids and digestion; and the principal animal secretions, especially urine.

**LABORATORY WORK.**—All members of the class are required to devote at least three hours a week to laboratory work. This will include the completion of the course in qualitative analysis begun in the Junior Class, extended by a study of the tests of the chief organic poisons; the preparation and study of a few typical organic compounds; and experiments in physiological chemistry. The course in qualitative analysis will include a study of the methods of identifying the metals arsenic, antimony, bismuth, mercury, lead, silver, copper, aluminium, chromium, iron, zinc, magnesium, calcium, barium, potassium, sodium, and ammonium; and the acids hydrochloric, hydrobromic, hydriodic, nitric, carbonic, sulphuric, boric, acetic, oxalic, tartaric and hydrocyanic. Under the head of physiological chemistry will be studied typical carbohydrates, as starch and dextrose, typical protein substances, as white of egg, typical food-stuffs, as milk and flour; and in addition experiments will be performed illustrating digestive processes.

For students who can devote sufficient time to the subject a more extended laboratory course in physiological chemistry is given, including, in addition to the preceding, the spectro-

scopic examination of blood, and the quantitative estimation of the chief constituents of urine.

*Books recommended:* For ordinary use, Remsen's *Compounds of Carbon* (Macmillan & Co.); Halliburton's *Essentials of Chemical Physiology* (Longman's); Stoddard's *Qualitative Analysis* (American Book Co.). For reference Reese's *Medical Jurisprudence and Toxicology* (Blakiston, Son & Co.), Hammarsten's *Text-book of Physiological Chemistry* translated by Mandel (Wiley & Sons).

#### CHEMICAL LABORATORY.

The chemical laboratory accommodates about eighty students. A reference library is placed in the balance-room for the use of students doing analytical work.

Laboratory students are allowed the use of all the more inexpensive reagents. They are required to provide themselves with the more expensive reagents, as alcohol and ether; and they are charged with the value of apparatus they have broken or injured.

The laboratory is open daily, Saturdays excepted, from 10 a. m. to 1 p. m., and from 3 to 5 p. m. on Tuesdays, Wednesdays and Thursdays.

### II.—ELEMENTARY BIOLOGY.

#### (A.)—BOTANY.

*Professor*.....

*Tuesdays, 11 A. M.—1 P. M.*

The course in Botany will have special reference to the following subjects: Protoplasm and Plant-cells, the Tissue and Tissue Systems of Plants, Morphology of the Plant-body, Plant Physiology, the Principles of Classification and the Laws of Distribution, the Protophyta (Schizophyceæ), the Phycophyta (Chlorophyceæ and Phæophyceæ), the Carpophyta (Rhodophyceæ, Ascomycetæ and Basidiomycetæ specially), the Bryophyta (Mosses and Liverworts), the Pteridophyta (Ferns, Horse-tails and Club-mosses), the Anthophyta (specially the Coniferæ, Gramineæ, Orchidaceæ, Liliaceæ, Urticaceæ, Labiata, Compositæ, Umbelliferæ, Rosaceæ, Leguminosæ, Cruciferæ, Ranunculaceæ). The Morphology and life history (the Anatomy, Histology and development) of at least two common or representative species of each group of plants named above, in minute detail.

General attention will be given to the native *flora* of the province, with special notice of foreign as well as native species of interest from economic, medicinal or injurious properties.

The preliminary study of Botany as indicated in Grade IX of the Public School Course, and especially the formation of a local collection of plants, even if unnamed and unclassified, will be an advantage to any student entering upon the course.

Practical instruction will be given in the collecting, drying and mounting of specimens, the use of the microscope, the preparing of microscopic sections, and the general dissection of plants; and all students will be required to present a collection of at least 100 plants representing the local *flora* examined by them, together with their notes and drawings of microscopic

work done during the session, as a portion of their terminal examination. The use in class of a number of microscopes will be granted the students under the care and direction of the lecturer; but a hand lens, glass slides, cover glasses, scalpels and other apparatus or books necessary to each student, shall be supplied by each for himself.

## (B.)—ZOOLOGY.

Lecturer..... A. HALLIDAY, M. B., C. M.

The work of the class will consist of a course of lectures supplemented by practical work.

The following subjects will be treated of in the lectures:—Organic and Inorganic Bodies; Life, Vital Action, &c.; Differences between Plants and Animals, Morphology, Physiology, Differences between Animals, Specialisation of Function, Morphological Type, Von Bær's Law of Development, Origin of Species, Homology, Analogy, Reproduction, Distribution in Time and Space, Evolution, Classification. Also the general characters of the several sub-kingdoms will be treated of as fully as possible.

The practical part of the course will consist of Dissections by students themselves and demonstrations microscopic, &c.

The object of the class will be to give such a comprehensive idea of the Animal Kingdom, as will form a good basis for any one wishing to prosecute still further the study of Biology, or Comparative Anatomy and Physiology.

It will meet for two consecutive hours on one day a week, one hour being devoted to lecture and the other to practical work and demonstrations.

Students intending to take the class will have to provide themselves with the following articles:—1 pair forceps, 1 pair scissors, 1 or 2 dissecting needles and knives, a razor and a small hand lens.

The total cost of these articles will be about \$3.00. As they will not be required for the first week or two they need not be purchased till the opening of the class when more information will be given.

*Text Book:* Packard's Zoology (\$3.00). *Reference Text Book:* Anatomy of Vertebrates and Invertebrates, Huxley, 2 vols; Text Book of Zoology, Claus & Sengwick, 2 vols.

2. Students wishing to attend the above courses may do so either as General Medical Students without preliminary examination, or as regular Undergraduates in Medicine. In either case they must enter their names in the University Register at the beginning of the Session. By reference to §§ VII and xxx Undergraduates in Arts and Science will see that they at the same time may be registered with the Medical Faculty, and so secure the benefit of certain classes of the Arts and Science Courses, as regular Undergraduates in Medicine.

3. In other subjects the necessary classes may be attended at the Halifax Medical College or any other College or School of Medicine recognized by the Senate.

4. Attendance on classes by those registered as General Medical Students will not qualify for Degree Examinations in this Faculty.

§ LX.—**The Academic Year.**—The Academic Year consists of one session. The Session of 1898-9 will begin on Monday, September 12th, 1898, and end on Tuesday, April 25th, 1899.

In order to qualify for Degree Examinations the Medical Academic year must include attendance on at least two of the following six months courses: Anatomy, Practical Anatomy, Chemistry (including a laboratory course of not less than three hours per week), Physiology, Materia Medica, Surgery, Obstetrics, Gynæcology and Diseases of Children, Medicine; or one such course and two of the following: Elementary Biology, Histology, Medical Jurisprudence, Pathology, Therapeutics, Clinical Medicine, Clinical Surgery. Certificates indicating less than 90 p. c. of attendance upon any class will not be accepted without valid reason for absence being shown.

§ LXI.—**Degrees.**—Two Medical Degrees are conferred by this University, viz., Doctor of Medicine (M. D.) and Master of Surgery (C. M.); but neither degree is conferred on any person who does not at the same time obtain the other.

§ LXII.—**Matriculation Examination.**—1. Candidates for medical degrees must give evidence of having obtained a satisfactory general education, by presenting certificates of having passed, before entering on the course of study qualifying for the degrees, either the Matriculation Examination of the Provincial Medical Board of Nova Scotia or some other examination recognized by the Senate as sufficient.

Information as to the Matriculation Examination of the Provincial Medical Board may be obtained on application to the Registrar of the Board, Dr. A. W. H. Lindsay, Halifax.

2. A certificate of the possession of a University Degree in Arts or Science, or of the Teacher's Grade "A" License of Nova Scotia, or of having passed the Preliminary Examination of the Nova Scotia Barrister's Society, shall be considered by this University sufficient evidence of satisfactory general education.

3. The Matriculation and Sessional Examinations of any Chartered University or College; the Junior and the Senior Leaving Examinations of the High Schools, (N. S.) with 50% in each subject; the First Class Teacher's License of either Nova Scotia, New Brunswick or Prince Edward Island; and also the preliminary Examination of any Medical Licensing Board authorized by law in Her Majesty's dominions will be recognized *pro tanto*.

4. Candidates who may have passed in all subjects but one, at the Nova Scotia Medical Board Matriculation Examination, may enter as undergraduates, and will be allowed after six months to pass a supplementary Examination in the subject in which they previously failed.

§ **LXIII.—Degree Examinations.**—Candidates for the Degrees of M. D. and C. M. shall be required to pass two main examinations—the Primary and Final M. D., C. M. examinations—and to have satisfied at the dates of the examinations certain conditions as to attendance on classes, etc.

§ **LXIV.—Primary M. D., C. M. Examination.**—1. This examination shall consist of two parts; Sect. A to be pass at the end of the First Year, and Sect. B at the end of the Second Year.

(A). PRIMARY EXAMINATION, SECT. A.

(1.) This examination shall include Anatomy, Histology, Chemistry and Elementary Biology to the extent indicated in the following synopsis :

ANATOMY.

A written examination on Osteology, including general physical characters, chemical composition course and structure of bone. Ossification. Arthrology, classification of Joints, structure and mechanism of the more important, (hip, knee, shoulder, elbow, ankle, etc.).

HISTOLOGY.

A written examination on the structure of the tissues and of the organs of the body. Candidates may also be called upon to describe the general histological methods of fixing and hardening tissues and organs, and cutting, staining and mounting sections.

CHEMISTRY.

Elementary general chemistry, as in the course of the Junior Chemistry Class, outlined on pp. 97, 98. Two papers will be set corresponding to the work outlined under "class-work" and "laboratory-work" respectively in the above course.

ELEMENTARY BIOLOGY.

Candidates will be expected to show a practical acquaintance with the topics indicated as forming the subject matter of the courses of lectures and instruction in Botany and Zoology outlined at pp. 99, 100.

(2.) Candidates for this examination shall be required to produce certificates to the following effect :

(a) Of having passed the Matriculation Examination of the Provincial Medical Board of Nova Scotia or other examination recognized as sufficient, at least one academic year previously, and of having completed their sixteenth year before the passing of said examination.

(b) Of having, after passing the Matriculation Examination, attended either in this University, in the Halifax Medical College, or in some other University or College approved by the Senate, one course of instruction of six months in each of the following subjects, viz. : Anatomy (Osteology and Arthology) Histology, Chemistry, (including a laboratory course during the same time of not less than three hours per week), Elementary Biology.

(B.) PRIMARY EXAMINATION, SECT. B.

(1.) This examination shall include Anatomy, Physiology, Chemistry, to the extent indicated in the following synopsis :

ANATOMY.

This examination will be partly written and partly *viva voce*. The paper may include questions in Descriptive and Regional Anatomy, Surgical and Medical Anatomy. At the oral examination candidates will be examined on the skeleton, recent dissections, models, preparations, etc.

PHYSIOLOGY.

A written and an oral examination on : (a) The physiology of digestion, absorption, circulation, respiration, secretion, nutrition, animal heat, animal motion ; the functions of the nervous system, and sense organs ; reproduction and development.

(b) The composition of food, and of the tissues, secretions, excretions, and other fluids of the body.

At the oral examinations microscopical preparations of the tissues and organs of the body will also be submitted for identification or description.

CHEMISTRY.

Inorganic, organic and medical chemistry as in the course of the Senior Chemistry Class, outlined on page 98. The examination will include : (a) Two papers corresponding respectively to the work outlined under "class-work" and "laboratory-work" in the above course. (b) A practical examination in the laboratory. (c) An oral examination, in which in addition to the preceding, questions may be put to the candidates upon the work prescribed in chemistry under Section A of the Primary Examination, (p. 102.)

(2.) Candidates for this examination shall be required to produce certificates to the following effect :

(a) Of having passed the Matriculation Examination, or other examination recognized as sufficient, at least two academic years previously, and of having completed their sixteenth year before the passing of said examination.

(b) Of having, after passing the Matriculation or other equivalent examination, attended either in this University, in the Halifax Medical College, or in some other School of Medi-

cine approved by the Senate, two courses of at least six months lectures each, in each of the following subjects, viz. : Anatomy, Chemistry, (including two laboratory courses of not less than three hours per week) ; and two courses of instruction of the same duration in Practical Anatomy, in the course of which they shall have dissected the whole body, (*i. e.*, the head and neck, the upper and lower extremities, thorax and abdomen) at least twice.

(*c*) Of having, after passing the Matriculation Examination, attended either in this University, in the Halifax Medical College, or in some other University or College approved by the Senate. one course of lectures and instruction of six months in each of the following subjects, viz. : Physiology (including Embryology), Histology, Elementary Biology.

(*d*) Of having passed in the subjects of the first part of the Primary Examination either at this University, at the Halifax Medical College, or at some other Medical College specially recognized by the Senate.

2. The Primary M. D., C. M. Examination will be held in the second and third weeks in April. Candidates are required to transmit the certificates specified above for Sect. A or Sect. B, as the case may be, to the Secretary of the Faculty at least fourteen days before the date of the Examination, to enter their names in the Register of Undergraduates of the University before the date of the examination, and to pay before the date of the examination one-sixth of the amount of the graduation fee in the case of candidates for sect. A., and one-third of the graduation fee in the case of candidates for sect. B.

3. Should the candidate fail to pass in any subject or subjects, the fee will not be returned to him, but he will be permitted to present himself again for Examination in such subject or subjects on payment of \$5.00 for each subject, with or without evidence of further attendance on said subject or subjects as the Faculty may direct.

**§ LXV. — Final M. D., C. M. Examination. — 1.** This Examination shall also consist of two parts, one to be passed at the end of the third and the other at the end of the fourth Academic Year.

(A.) FINAL EXAMINATION, SECT. A.

(1.) This Examination will include the following subjects :—Materia Medica, Pharmacy and Therapeutics ; Pathology and Bacteriology ; Medical Jurisprudence, Hygiene and Insanity.



## MATERIA MEDICA, &amp;C.

This examination will be partly written and partly oral. The candidates will require to possess a knowledge of:—

(a.) The general nature and composition, and the most important physical and chemical characters of the Pharmacopœial drugs, named in the annexed Schedule.

(b.) The composition of the Pharmacopœial preparations of these drugs, and the process employed in making them.

(c.) The doses, therapeutical uses and modes of administration of these drugs and their preparations; writing of prescriptions.

(d.) The remedial uses of Electricity and Galvanism, Heat and Cold, Climate, etc.

(e.) Diet.

At the oral examination candidates will also be required to recognize the drugs indicated by *italics* in the annexed Schedule.

## SCHEDULE OF DRUGS.

Liquor Chlori; *Calx Chlorinata*; Liquor Sodæ Chlorinatae.  
 Bromum; Ammonii Bromidum; *Potassii Bromidum*; Sodii Bromidum.  
*Iodum*; *Potassii Iodidum*; Sodii Iodidum; Plumbi Iodidum.  
*Sulphur Sublimatum*; *Sulphur Præcipitatum*; Calx Sulphurata; Potassa Sulphurata.  
*Phosphorus*; Calcii Phosphas; Sodii Phosphas; *Ferri Phosphas*; Calcii Hypophosphis; Sodii Hypophosphis.  
 Acidum Hydrochloricum; Acidum Nitricum; Acidum Sulphuricum.  
 Acidum Aceticum; Acidum Citricum; Acidum Tartaricum.  
 Acidum Boricum; Acidum Sulphurosum.  
*Acidum Hydrocyanicum Dilutum*.  
 Liquor Ammonia; Liquor Potassæ; Liquor Sodæ; Potassa Caustica; Soda Caustica.  
*Ammonii Carbonas*; *Ammonii Chloridum*; Liquor Ammonii Acetatis.  
 Potassii Bicarbonas; Potassii Sulphas; Potassii Chloras; Potassii Tartras Acida; *Potassii Permanganas*.  
 Sodii Bicarbonas; Sodii Sulphas; Sodii Nitris; Borax.  
 Calx; Calcii Hydras; Creta Præparata; Calcii Carbonas Præcipitata.  
 Magnesia; Magnesii Carbonas; *Magnesii Sulphas*.  
*Alumen*; *Alumen Exsiccatum*.  
 Zinci Oxidum; Zinci Chloridum; *Zinci Sulphas*.  
*Cupri Sulphas*.  
 Argenti Nitras.  
*Hydrargyrum*; *Hydrargyri Oxidum Flavum*; *Hydrargyri Oxidum Rubrum*; *Hydrargyri Subchloridum*; *Hydrargyri Perchloridum*; *Hydrargyri Iodidum Rubrum*; *Hydrargyrum Ammoniatum*; Liquor Hydrargyri Nitratis Acidus.  
*Plumbi Oxidum*; *Plumbi Acetas*; Liquor Plumbi Subacetatis.  
 Antimonium Tartaratum.  
*Acidum Arseniosum*; *Ferri Arsenias*; Sodii Arsenias; Arsenii Iodidum; Liquor Arsenii et Hydrargyri Iodidi.  
 Bismuthi Subnitras; Bismuthi Carbonas; Bismuthi Citras.

Ferrum; *Ferri Sulphas*; *Ferri Sulphas Granulata*; *Ferri Sulphas Exsiccata*; *Syrupus Ferri Subchloridi*; *Ferri Carbonas Saccharata*; *Syrupus (et Pilula) Ferri Iodidi*; *Liquor Ferri Acetatis*; *Liquor Ferri Perchloridi*; *Liquor Ferri Pernitratidis*; *Liquor Ferri Persulphatis*; *Ferri Peroxidum Hydratum*; *Liquor Ferri Dialysatus*; *Ferri et Ammonii Citras*; *Ferri et Quininæ Citras*; *Ferrum Tartaratum*; *Ferrum Redactum*.  
*Alcohol Ethylicum*; *Spiritus Rectificatus*; *Spiritus Tenuior*; *Æther*; *Chloroformum*; *Iodoformum*.  
*Chloral Hydras*; *Butyl Chloral Hydras*; *Paraldehydum*; *Sulphonal*.  
*Amyl Nitris*; *Tabellæ Nitroglycerini*; *Liquor Trinitrini*; *Spiritus Ætheris Nitrosi*.  
*Acetanilidum*; *Phenacetin*; *Phenazonum*.  
*Collodium*.  
*Acidum Carbolicum*; *Acidum Salicylicum*; *Sodii Salicylas*.  
*Aconiti Radix* et *Folia*; *Aconitina*.  
*Opium*; *Morphinæ Hydrochloras*; *Morphinæ Acetas*; *Morphinæ Sulphas*; *Liquor Morphinæ Bimeconatis*; *Apomorphinæ Hydrochloras*; *Codeina*.  
*Coca*; *Cocainæ Hydrochloras*.  
*Jaborandi*; *Pilocarpinæ Nitras*.  
*Quassia Lignum*; *Calumbæ Radix*; *Gentianæ Radix*.  
*Physostigmatis Semen*; *Physostigmina*.  
*Caffeina*; *Caffeinæ Citras*.  
*Conii Fructus* et *Folia*.  
*Asafœtida*; *Ammoniacum*; *Myrrha*; *Guaiaci Resina*.  
*Cinchonæ Cortex*; *Cinchonæ Rubræ Cortex*; *Quininæ Sulphas*; *Quininæ Hydrochloras*.  
*Salicinum*.  
*Ipecacuanha*; *Senegæ Radix*.  
*Glycerinum*.  
*Nux Vomica*; *Strychnina*.  
*Belladonna Radix* et *Folia*; *Atropina*; *Atropinæ Sulphas*; *Hyoscyami Folia*; *Stramonii Semina* et *Folia*; *Homatropinæ Hydrobromas*.  
*Cannabis Indica*.  
*Digitalis Folia*; *Strophanthus*.  
*Oleum Ricini*; *Oleum Crotonis*; *Aloe Barbadosensis*; *Aloe Socotrina*; *Aloin*; *Rhamni Purshiani Cortex*; *Colocynthis Pulpa*; *Elaterium*; *Elaterinum*; *Jalapa*; *Podophylli Rhizoma*; *Rhei Radix*; *Senna Alexandrina et Indica*; *Camphora*; *Oleum Terebinthina*.  
*Acidum Tannicum*; *Acidum Gallicum*; *Kino*; *Catechu*; *Hamamelidis Cortex* et *Folia*.  
*Acidum Benzoicum*.  
*Copaiba*. *Cubeba*.  
*Colchici Cormus* et *Semina*.  
*Scilla*.  
*Filiæ Mas. Santoninum*.  
*Ergota*.  
*Oleum Morrhuæ*.  
*Cantharis*.

#### MEDICAL JURISPRUDENCE, HYGIENE AND INSANITY.

The Examination will be partly written, partly oral. Candidates will be examined on the following topics:

*Forensic Medicine.*

- I. Examination of Persons found Dead, with reference to :—
1. Identification.
  2. Time of Death.
  3. Cause of Death.
- II. Violent causes of Death :—
1. Drowning.
  2. Strangulation.
  3. Suffocation.
  4. Mechanical Injuries and Wounds.
- III. Poisons and Poisoning :—
1. Symptoms and post-mortem appearances in cases of poisoning by the following agents :—

## INORGANIC.

Mineral Acids.	Mercury.
Solutions of Alkalis.	Antimony.
Copper.	Arsenic.
Lead.	Phosphorus.

## ORGANIC.

Oxalic Acid.	Aconite.
Carbolic Acid.	Chloroform.
Opium.	Chloral Hydrate.
Strychnine.	Cyanides.
Belladonna.	

2. Duties of medical men in cases of Poisoning as regards Observation ; Treatment and Preservation of parts for Analysis.
  3. Preliminary Tests for Poisonous Substances for Clinical Use before reference to an Analyst.
- VI. Medico-legal points in connection with :—Pregnancy, Delivery, Rape, Criminal Abortion, Infanticide, Assaults and Homicide, Wounds and other external Injuries ; Mental Capacity in relation to Criminal Responsibility, Contracts and Wills ; Malpractice, and Neglect of Duty.
- V. Forms of Insanity. Examination of persons supposed to be insane. The Lunacy Laws in so far as they affect the Medical Practitioner when signing Certificates of Lunacy.

*Hygiene.*

- I. WATER, in its relations to Health and Disease :—
1. The Character and Classification of Drinking Water.
  2. The Causes and Sources of the Impurities found in Water and the Methods of Purification.
  3. The Diseases conveyed by Water, and the Methods of dealing with Epidemics of such Diseases.

- II. AIR, in relation to Health and Disease :—
1. The Causes and Sources of the Impurities found in Air.
  2. The Diseases conveyed through the Air.
  3. The Quantity of Air necessary for Health ; the Principles of Ventilation.
- III. SOIL, in relation to Health and Disease :—
1. The Causes and Sources of the Impurities in the Soil, and the Methods of dealing with them.
  2. Diseases connected with the Soil.
  3. The Methods of dealing with Excreta and Sewage.
- IV. FOOD, in relation to Health and Disease :—
1. Dietetics.
  2. The common Adulterations of the chief Articles of Diet.
  3. Diseases connected with Deficiency or Impurity of Food-supply.
- V. The Dwelling, in relation to Health and Disease :—  
The Principles of House Drainage.
- VI. The Principles of Disinfection, and the mode of Action of the chief Disinfecting Agents.
- VII. The Provisions of the Act for the Notification of Disease.

#### PATHOLOGY AND BACTERIOLOGY.

The Examination will be partly written, partly *vivâ voce*. Candidates will be expected to possess a knowledge of :—

(a.) General Pathology, including Degenerative Processes, Inflammation, Morbid Growths, etc.

(b.) General Etiology, with reference to Parasitic and Infective Diseases.

(c.) Systematic Pathology, the more important diseases of the principal systems and organs of the body.

(d.) Bacteriology, to include the General Morphology and Life History of Micro Organisms ; Characters of Organisms Pathogenic to the Human Subject, and their modes of producing disease, etc.

At the oral examination candidates will be examined on gross and microscopical preparations, and will be expected to possess a knowledge of the Preparation of Culture Media, Methods of Isolation and Cultivation, Staining, Separation of Bacterial Products, Inoculation.

(2.) Candidates for this examination shall be required to furnish certificates to the following effect, viz. :

(a) Of having passed the Matriculation Examination, or other examination recognized as sufficient, at least three academic years previously, and of having completed their sixteenth year before the passing of said examination.

(b.) Of having, after passing the Matriculation or other equivalent examination, attended either in this University, in the Halifax Medical College, or in some other School of Medicine approved by the Senate, the courses of lectures, etc., prescribed above for candidates for the Primary M. D., C. M. Examination.

(c.) Of having passed the Primary M. D., C. M. Examination at this University, or of having subject to the regulations of § LXIV, passed the same examination at the Halifax Medical College, or at some other Medical School or College specially recognized by the Senate.

(d.) Of having, after passing the Matriculation Examination, attended at the Halifax Medical College, or at some other College or School of Medicine approved by the Senate, two courses of six months each in *Materia Medica* and *Therapeutics*; one course of seventy-five lectures in *Medical Jurisprudence*, including *Hygiene* and *Insanity*; one course of at least one hundred lectures and demonstrations in *Pathology* and *Bacteriology*.

(e.) Either of having, after passing the Matriculation Examination, attended at the Halifax Medical College, or at some other College, approved by the Senate, one course of instruction of thirty lessons in *Practical Dispensing*, or of having after passing the Matriculation Examination, had three months practice in the dispensing of drugs with a registered apothecary or dispensing medical practitioner. Persons submitting a college certificate must also show that they have passed a satisfactory examination at the end of their course of instruction.

(f.) Of having, after passing the preliminary examination, attended the *Post Mortem* Examinations in a recognized Hospital for a period of at least six months, during which they have received practical instruction in the methods of making *Post Mortem* Examinations and in framing Reports. Such certificate to be accompanied by reports of at least six autopsies which the candidate has attended.

#### (B). FINAL EXAMINATION, SECT. B.

(1.) This Examination will include the following subjects:—*Surgery*, *Clinical Surgery*, *Medicine*, *Clinical Medicine*, *Obstetrics* and *Diseases of Women and Children*.

#### SURGERY.

The Examination in this subject will be partly written and partly *vivâ voce*. The candidates will be expected to possess a knowledge of the Principles and Practice of *Surgery*, of *Surgical Pathology*, *Surgical Anatomy*, and *Operative Surgery*. They will also be examined on the more common Diseases of the *Skin*, of the *Eye*, *Ear*, *Throat*, and *Nose*.

## CLINICAL SURGERY.

This Examination will be partly practical and partly oral. Cases will be submitted for diagnosis and treatment. Candidates will also be examined on the application of Splints and Bandages, and on the uses of Surgical Instruments and Appliances.

## MEDICINE.

In this subject there will be a written and an oral examination on the Clinical History, Causes, Diagnosis, Prognosis and Treatment of the Diseases of the different Systems and Organs of the Body. The examination will also include Infectious Diseases, Constitutional Diseases, Mental Diseases and Diseases of the Nervous System. Candidates may also be questioned on Medical Anatomy and Therapeutics.

## CLINICAL MEDICINE.

The Examination in Clinical Medicine will be partly practical and partly oral. Patients will be submitted for examination, diagnosis and treatment. Examination of specimens of Urine, Sputa, etc., will be required.

## OBSTETRICS AND DISEASES OF WOMEN AND CHILDREN.

In these subjects there will be a written and an oral examination, which will embrace the following:—

- (a.) The Anatomy and Physiology of the Female Organs of Reproduction.
- (b.) The Physiology, Pathology and Therapeutics of Pregnancy.
- (c.) Parturition, natural and morbid.
- (d.) Hygiene, Pathology and Therapeutics of the Puerperal State.
- (e.) Hygiene, Pathology and Therapeutics of Infancy.
- (f.) Special Pathology and Therapeutics of the Female Organs of Reproduction.

At the oral examination candidates may also be questioned on Gynecological Operations and the use of Instruments and Appliances.

(2.) Candidates for this examination shall be required to furnish certificates to the following effect, viz. :

(a.) That they have completed their twenty-first year, or that they will have done so on or before the day of graduation. This certificate shall be signed by themselves, and shall be after the following form :

HALIFAX, ———, 18—.

I, the undersigned, being desirous of obtaining the Degrees of Doctor of Medicine and Master of Surgery, do hereby declare that I have attained the age of twenty-one years, (or if the case be otherwise, that I shall have attained the age of twenty-one years before the next graduation day), and that I am not (or shall not be at that time) under articles as a pupil or apprentice to any Physician, Surgeon, or Apothecary.

(Signed),

A. B.

(*b.*) Of having passed the Primary M. D., C. M. Examination at this University, or of having subject to the regulations of § LXIV, passed the same examination at the Halifax Medical College, or at some other Medical School or College specially recognized by the Senate.

(*c.*) Of having passed the First part (Sect. A) of the Final Examination, in Pathology, Materia Medica and Therapeutics, Medical Jurisprudence and Hygiene.

(*d.*) Of, having after passing the Matriculation Examination, attended during four academic years, (as in § LX) at least two courses of lectures per year in subjects of the Primary and Final M. D., C. M. Examinations, either in this University or at the Halifax Medical College, or at some other Medical School or College recognized by the Senate.

(*e.*) Of having, after passing the Matriculation Examination, attended at the Halifax Medical College, or at some other College or School of Medicine approved by the Senate, two courses of six months each, in each of the following subjects, viz. : Principles and Practice of Surgery, Obstetrics and Diseases of Women and Children, Principles and Practice of Medicine, Materia Medica and Therapeutics ; two courses of lectures of seventy-five lectures each, in each of the following subjects, viz. :—Clinical Medicine, Clinical Surgery ; and one course of at least twenty-five lectures in Ophthalmology Otology and Laryngology.

(*f.*) Of having after passing the Matriculation Examination attended a course in Operative Surgery, and of having performed operations on the dead body to the satisfaction of the Teacher.

(*g.*) Of having, after passing the Matriculation Examination, attended during one calendar year the practice of the Victoria General Hospital, or that of some other Hospital approved by the Senate.

(*h.*) Of having, after passing the Matriculation Examination attended during at least six months the practice of a Dispensary or of the out-patient department of a general Hospital.

(*i.*) Of having, after passing the Matriculation Examination, attended during at least six months, courses of practical instruction in Medicine and Surgery including :—the methods of examining various organs and other parts of the body in order to detect the evidence of disease or the effect of accidents—the employment of instruments and apparatus used in diagnosis or treatment, the examination of the Urine and other secretions, and of morbid products.

(*j.*) Of having, after passing the Matriculation Examination, served at least six months as a dresser in the Surgical wards, and six months as a Clinical Clerk in the Medical wards of a recognized Hospital, or otherwise giving satisfactory evidence of practical work in Surgery and Medicine.

(k) Of having, after passing the Matriculation Examination, attended for at least six months the practice of a lying-in hospital, approved by the Senate, and of having attended at least six cases of midwifery, under a recognized practitioner.

(l) Of having, after passing the Matriculation Examination, received instruction and attained proficiency in the practice of Vaccination under a recognized medical practitioner.

2. The final M. D., C. M. Examination will be held in the second and third weeks in April. Candidates are required to transmit the certificates specified above for Section A or Section B, as the case may be, to the Secretary of the Faculty at least fourteen days before the date of the Examination, to enter their names in the register of undergraduates before the date of the examination, and to pay before the date of the examination, one-sixth of the amount of the graduation fee in the case of candidates for sect. A., and one-third of the graduation fee in the case of candidates for sect. B.

3. Candidates who may have been exempted from passing the Primary Examination under the provisions of § LXV, (2), (b) will be required to pay the balance of the full graduation fee before being admitted to the last part of the Final Examination.

4. A minimum of 50% in each subject is required to obtain a Pass.

5. Should the candidate fail to pass in any subject or subjects, the fee will not be returned to him, but he will be permitted to present himself again for examination in such subject or subjects, on payment of a fee of \$5.00 for each subject.

6. A candidate having failed to make 50% in any subject of sect. B. of the Final Examination will also be required to pass again in any other subject in which he may have made less than 60% with or without evidence of further attendance on such subject or subjects as the Faculty in their discretion may determine.

§ LXVI.—**Academic Costume, etc.** — 1. Undergraduates and general students attending more than one class, are entitled to wear caps and gowns. The forms prescribed are the Oxford undergraduate gown of black stuff with sleeves; and the black trencher with tassel.

2. Doctors of Medicine of this University shall be entitled to wear black stuff gowns and hoods. The hoods shall have a lining of scarlet silk bordered with white silk.

3. Successful candidates for this degree shall be required to appear at Convocation in academic costume to have the degree conferred upon them. Degrees shall not be conferred in the absence of the candidate, except by special permission of the Senate.



4. Before receiving his degree, the candidate will be required to sign the following oath or affirmation:—

SPONSIO ACADEMICA.

In facultate Medicinæ Universitatis Dalhousianæ.

Ego, Doctoratus in Arte Medica titulo jam donandus, sancto coram Deo cordium scrutatore, spondeo:—me in omni grati animi officio erga Universitatem Dalhousianam ad extremum vitæ halitum, perseveraturum. Tum porro Artem Medicam caute, caste, probeque exercitaturum et quoad potero, omnia ad ægrotorum corporum salutem conducentia, cum fide procuraturum. Quæ denique, inter medendum, visa vel audita silere conveniat, non sine gravi causa vulgaturum. Ita præsens mihi spondenti adsit Numen.

§ LXVII.—Fees.—The following fees, payable by students and candidates for the degrees of M. D., C. M., are in all cases payable in advance :

Registration.....	\$ 2 00
Junior Chemistry Class Fee (including Laboratory Fee).	10 00
Senior " " " " " "	12 00
Elementary Biology Class Fee including use of microscopes and reagents.....	12 00
Graduation Fee.....	30 00

# Institutions.

## THE UNIVERSITY LIBRARY.

The \*Library consists of about 7740 volumes, selected to meet the wants especially of students of the Faculties of Arts and Science.

It contains the MACKENZIE COLLECTION of works on Mathematical and Physical Science, which was presented to the College by the relatives of the late Professor J. J. Mackenzie; the ROBERT MORROW COLLECTION of works on Northern Antiquities and Languages, presented by Mrs. Robert Morrow; the SETH COLLECTION of Philosophical works, purchased with the proceeds of a course of public Lectures on Psychology given by Professor James Seth; the DEMILLE MEMORIAL, presented by Dr. MacMechan from the proceeds of a course of Lectures on Shakspeare; the LAWSON LIBRARY, presented by the daughters of the late Professor George Lawson, LL. D.; the McCULLOCH COLLECTION, from the Library of the late Rev. W. McCulloch, D. D.; the MEMORIAL COLLECTIONS of the Classes of '94, '95, '96, '97, and '98; and a collection of English books purchased with the proceeds of a Dramatic Entertainment given by the Class of '96, under the supervision of Dr. MacMechan.

Although there is no fund at the disposal of the Librarian for the purchase of books, over 540 volumes have been added to the Library, through presentations, during the past year. This number does not include pamphlets, reports, calendars, etc.

The Class of 1899 has given the Librarian \$114.75 (and promised more) for a Class Memorial.

The following donations have been received from:—

An "Alumnus"—Publications of Camden Society . . .	130 vols.	
"Three Friends—\$300 partly expended in the purchase of . . . . .	82	"
Dr. MacMechan—From proceeds of Lectures on Shakspeare . . . . .	70	"
Dr. Tobin— <i>Revue des Deux Mondes</i> . . . . .	64	"
Alumni Association—Scientific works . . . . .	45	"
Memorial of Class of '98—principally Plato and Aristotle . . . . .	30	"

\*For Law Library see Law Faculty section of the Calendar. Students are admitted to some of the privileges of the Legislative and Citizens' Libraries.

Memorial of Class of '96—Jesuit Relations.....	18 vols.
Dr. W. Kingsford—History of Canada.....	9 “
Edinburgh University—Gifford Lectures.....	8 “
Dr. Eliza Ritchie—Canadian Literature.....	8 “

Also from MacMillan & Co., 22 vols. ; Rev. A. Archibald, M. A., 4 ; Y. W. C. A., 4 ; Longmans & Co., 4 ; Prof. C. Macdonald, 3 ; Bryn Mawr Coll., 3 ; Y. M. C. A., 3 ; Prof. J. G. MacGregor, 3 ; Early English Text Society, 3 ; Toronto University, 3 ; R. Sadler, Esq., 3 ; Ginn & Co., 3 ; Miss Vondy, 2 ; W. Deverell, Esq., 2 ; Rev. E. G. Porter, 2 ; Walter Crowe, Esq., LL. B., 2 ; Dr. Forrest, 2 ; M. Baillarge, F. R. S. C., 2 ; Prof. W. Murray, 2 ; Dr. D. A. Murray, 1 ; R. C. Winthrop, Esq., 1 ; Rev. R. Murray, 1 ; Rev. G. F. Johnson, B. D., 1 ; J. A. McKinnon, Esq., LL. B., 1 ; Mr. G. M. Forrest, 1 ; Mr. E. P. Robins, M. A., 1 ; Copp, Clark & Co., 1 ; Blackie & Son, 1 ; G. Bell & Sons, 1 ; Munn & Co., 1.

Reports have been received from the following :—Dominion Government, 12 ; U. S. Venezuelan Boundary Commission, 4 ; Ontario Government, 6 ; Geological Survey of Canada, 3 ; U. S. Commissioner of Education, 2 ; Smithsonian Institution, 2 ; Provincial Library, N. S., 2 ; U. S. Naval Observatory, 2 ; Natural Hist. Soc., N. B., 2 ; Inst. of Sc., N. S., 1 ; Commissioners for Exhibition of 1851 Scholarship, 1 ; Royal Society of Canada, 1.

Calendars and reports have been received from the following Universities and Colleges :—Edinburgh ; Glasgow ; Aberdeen ; St. Andrew's ; London ; Durham ; Bristol ; Victoria ; Dundee ; Trinity Coll., Lond. ; Sydney ; Melbourne ; Princeton ; Yale ; Harvard ; Cornell ; Michigan ; Brown ; Johns Hopkins ; Bryn Mawr ; Oberlin ; Mass. Institute of Technology ; Lehigh Instit. of Technology ; Illinois ; Northwestern ; Vassar ; Howard ; Wellesley ; Furman ; Manitoba ; Toronto ; MacMaster ; Queen's ; McGill ; Trinity ; Laval ; Niagara ; Morrin ; Presbyterian Theol. Coll., Halifax ; New Brunswick ; Mount Allison ; Prince of Wales ; St. Joseph's ; Wesleyan Theol. Coll., Montreal ; Presbyterian Theol. Coll., Montreal ; L'Academie Commerciale, Montreal ; Chicago Theol. Seminary ; Auburn Theol. Seminary ; Halifax Conservatory of Music ; Toronto Coll. of Music.

Periodicals have been regularly placed on the Reading Tables and in many cases given to the Library by the following :—Prof. C. Macdonald : *Nineteenth Century* ; Prof. J. G. MacGregor : *Contemporary*, *Nature*, *Phil. Magazine*, *Physical Rev.*, *Journal of Phys. Chem.* ; Prof. Weldon : *Forum* ; Prof. W. Murray : *Int. Journal of Ethics*, *Philos. Rev.*, *Educational Rev.* (N. Y.), *Spectator*, *Nation* ; Prof. H. Murray : *Cosmopolitan*, *McClure* ; Prof. E. MacKay : *Chemical News*, *Popular Science Monthly* ; A. H. R. Fraser, Esq., LL. B. : *Amer. Hist.*

*Rev., English Hist. Rev., Pol. Science Quar.*; also, *Classical Review, Mind, Psychological Review, Educational Review* (N. B.), *Book Reviews, Citizen.*

The Library has been open five days each week from 10 to 1 and from 3 to 5. About 3000 books were taken out during the session. There has been an appreciable increase in the number of students who spend some time reading in the Library. During the past session thirteen books and two pamphlets have been reported missing, but four of those reported missing previous to November, 1896, have been recovered. Again the Librarian has great pleasure in reporting that the students have not only contributed very liberally in presentations, but have rendered every assistance in the recovery of missing books and in securing quiet during reading hours. The Assistant to the Librarian for the past session was Mr. J. W. Nicholson, B. A., who discharged his duties in a highly satisfactory manner. The salary of the Assistant was provided by the Board of Governors.

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### THE UNIVERSITY MUSEUM.

The Museum\* consists chiefly of the THOMAS McCULLOCH and the PATTERSON COLLECTIONS.

THE THOMAS McCULLOCH COLLECTION was presented to the University in 1884, by the late Rev. William McCulloch, D.D., of Truro, with a fund of \$1,400 for extending the collections. It formed the museum of Prof. Thomas McCulloch, who occupied the chair of Natural Philosophy from 1863 to 1865. It contains a large and valuable collection of birds, especially of the native birds of the Maritime Provinces, many specimens of minerals, especially of Nova Scotian species, also rock specimens, a set of Carboniferous fossils, chiefly Nova Scotian, and a collection of European Cretaceous fossils, Indian implements, shells of recent Mollusca, native plants, &c. These collections were made in part by Rev. Thomas McCulloch, D. D., the first President of the College. The McCulloch collection of birds has recently been increased by additions paid for out of the McCulloch Museum Fund. An arrangement has been made with Mr. T. J. Egan, by which his valuable collection, containing about 30 cases of native birds, has been placed in the Museum on loan.

THE PATTERSON ARCHEOLOGICAL COLLECTION.—The collection of Indian Antiquities was made by the late Rev. George

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\*The Provincial Museum, in the New Provincial Building, Market Square, contains collections illustrating the Mineralogy, Geology and Zoology, of the Province, and is open to the public daily; it may be conveniently used by Students.

Patterson, D. D., LL. D., F. R. S. C., while engaged during a number of years in researches regarding the history and modes of life of the aborigines of Nova Scotia. The collection was presented by him to the College in 1889, on the condition that the Governors should make suitable "provision for the preservation and exhibition of the same, in such a manner as is usual in well-managed museums." It is kept as a separate collection. It contains 288 specimens, separately catalogued, and is arranged conveniently for reference. About 250 of the specimens have been obtained in Nova Scotia; they illustrate the stone age of its aboriginal inhabitants, and form an almost complete representation of the articles usually found among the remains of the native races of North America. There is also a number of similar articles from the United States, Scotland, the West Indies, and especially the New Hebrides. The classified catalogue of the collection, which is arranged according to the method adopted in the description of the archæological collections of the Smithsonian Institution, contains full particulars of the localities where the several specimens were obtained.

The chief donations to the Museum during the year have been :—From the Londonderry Iron Co., a collection of specimens of iron ores and products of the blast furnace; From the Cheticamp Mining Co., Specimens of lead and copper ores; From Mr. George Richards, Halifax, specimens of selenite.

Dr. A. Halliday, Lecturer on Zoology, requests alumni and friends to send to the Museum anything that they consider curiosities in the line of biology. Tropical specimens of any nature (shells, &c.), are especially desired.

## THE ALUMNI ASSOCIATION

(Incorporated 1876.)

### EXTRACT FROM THE LAWS.

1. The object of the Association shall be the promotion of the interests of the University.
2. The Association shall consist of Ordinary and Associate Members.
3. All Graduates of the University, all persons, who, during at least one academic year, have been registered students, either of Dalhousie College or of colleges which have been merged in or united with Dalhousie College, and all other persons who have at any time been educated by means of the funds of Dalhousie College, shall be eligible for ordinary membership. But no person other than graduates shall become members until three years have elapsed from the date of their first entering the College, except by special permission of the Executive.
4. Persons not eligible for membership under Section 3 may be elected Associate members.

### ABSTRACT FROM MINUTES OF ANNUAL MEETING AND FROM REPORT OF EXECUTIVE COMMITTEE.

The Annual Meeting was held at the college on the evening of April 26th, being one of the largest meetings held by the Association in many years.

The President, Prof. E. MacKay, B.A., Ph.D., occupied the chair, and in his opening address congratulated the Association on the progress made by it during the year. He congratulated the New Glasgow Alumni on being the first to establish a branch Association under the new By-laws providing for the formation of local branches, wished it success, and expressed the hope that other centres would rapidly follow the example set by New Glasgow.

The Secretary presented the report of the Executive Committee. The Committee reported that this effort to collect outstanding dues had been in a measure successful, many members in arrears having forwarded their subscriptions to the Treasurer, and as a result the financial condition of the Association was much better than for many years. The Committee suggested that the incoming executive should pursue the

line of action adopted by them with regard to the getting in of outstanding dues.

The Executive further recommended that a regular system of keeping distant members posted as to the doings of the Association should be adopted, thereby keeping our graduates more in touch with the University.

The Committee also reported that they had decided to revive the custom of holding the regular Alumni dinner, and that they had arranged for the holding of it on the evening of Convocation day.

The Dean of the Science Faculty once again reported that the grant from the Association, which amounted to \$125.00, had been of the greatest service to that Faculty, and the Committee recommended that it should be continued during the present year.

The Treasurer's report showed the following receipts and disbursements for the past year :—

RECEIPTS.	
Balance from previous year.....	\$ 68 27
Annual subscriptions.....	198 35
	266 62
DISBURSEMENTS.	
Paid on account of Grant to Science Faculty .....	\$125 00
Sundry expenses.....	40 50
	165 50
Balance on hand .....	\$101 12

The sub-committee appointed to inquire into the system of government pursued in other Colleges in circumstances similar to our own, and also as to the course followed in the matter of the publication of annual financial statements, presented a report The grant to the Faculty of Science was continued for another year.

The Secretary was instructed to arrange if possible with the different railways for reduced fares for members attending the annual meeting or convocation.

By-laws and rules for the formation of branches of the Association in local centres were adopted.

The election of officers being proceeded with, the following were declared elected :—

President.....	GEO. M. CAMPBELL, B.A., M.D.
Vice-Presidents.....	{ J. W. LOGAN, B. A.
	{ PROF. E. MACKAY, B.A., Ph.D.
Secretary.....	R. T. MACILREITH, LL.B.
Treasurer.....	{ S. A. MORTON, M.A.
	{ H. T. MORRISON, B.Sc.
Executive Committee.....	{ J. A. MACKINNON, B.A., LL.B.
	{ W. B. WALLACE, LL.B., M.P.P.
	{ PROF. H. MURRAY, B. A.
	{ PROF. J. G. MACGREGOR, D.Sc.
Auditors.....	{ H. B. STAIRS, B.A., LL.B.
	{ W. A. LYONS, LL.B.

## STUDENTS' SOCIETIES.

## General Students' Meeting.

This meeting is held regularly in November and February to conduct business in which all the students of the University are interested. Special meetings may be called by the President at any time.

## OFFICERS.

<i>President</i> .....	CHAS. E. MACMILLAN, B. A., (MED.)
<i>Vice-Presidents</i> .....	{ ALISON CUMMING, (ARTS.)
	{ JOHN W. RICHARDSON, (LAW.)
<i>Secretary-Treasurer</i> .....	A. WESTON ROUTLEDGE, (ARTS.)
<i>Executive Committee</i> .....	{ A. M. HEBB, (ARTS.)
	{ A. W. BEGG, (LAW.)
	{ S. E. SHAW, (MED.)

## Dalhousie Gazette.

The DALHOUSIE GAZETTE is published by the students of the University under the authority of the General Students' Meeting.

<i>Editors</i> .....	{ R. DAVIS, (ARTS.)
	{ G. N. MACKENZIE, (ARTS.)
	{ J. A. RAMSAY, (ARTS.)
	{ E. H. RAMSAY, (ARTS.)
	{ E. A. MACLEOD, (ARTS.)
	{ J. D. STEWART, (ARTS.)
<i>Associate Editors</i> .....	{ MARGARET CHASE, (ARTS.)
	{ NORA K. MCKAY, (ARTS.)
<i>Financial Editor</i> .....	A. M. HEBB.

Others will be appointed by the Law and Medical Students at the beginning of the Session.

## Arts Students' Society.

This Society meets in October and April to conduct business in which the Arts Students alone are interested. Special meetings may be called at any time by the President.

## OFFICERS.

<i>President</i> .....	C. M. PASEA.
<i>Vice-President</i> .....	J. BARNES.
<i>Secretary-Treasurer</i> .....	A. H. S. MURRAY.
<i>Executive Committee</i> .....	{ B. GLOVER.
	{ E. A. MACLEOD.
	{ F. S. VANCE.



**Law Students' Society.**

The Society meets once a month for the transaction of business of interest to the Law Students.

OFFICERS.

<i>President</i> .....	H. W. ROBERTSON.
<i>Vice-President</i> .....	H. S. MACKAY.
<i>Secretary-Treasurer</i> .....	F. MACDONALD.
<i>Executive Committee</i> .....	{ H. PUTNAM, B. A.
	{ C. H. SEELEY.
	{ A. A. MCINTYRE, B. A.

**The Medical Debating Society.**

The meetings of this Society are held weekly throughout the session. Topics of general interest are discussed, and papers on medical subjects are read by city doctors.

OFFICERS.

<i>President</i> .....	M. G. ARCHIBALD.
<i>Vice-President</i> .....	J. G. MUNRO.
<i>Secretary</i> .....	W. V. GOODWIN.
<i>Treasurer</i> .....	W. P. REYNOLDS.
<i>Executive</i> .....	{ E. P. ATKINSON.
	{ F. W. TAYLOR.
	{ E. ROSS FAULKNER, B. A.

**The Sodales Debating Club.**

The Sodales Debating Club meets fortnightly during the session, subjects of general interest being discussed.

OFFICERS.

<i>Honorary President</i> .....	PROF. R. C. WELDON.
<i>President</i> .....	H. F. MUNRO, (ARTS.)
<i>Vice-President</i> .....	C. F. JAMESON, (LAW.)
<i>Secretary</i> .....	J. H. A. ANDERSON, (ARTS.)
<i>Treasurer</i> .....	J. W. WELDON, (ARTS.)
<i>Executive Committee</i> .....	{ E. H. NICHOLS, B. A., (LAW.)
	{ C. E. MACMILLAN, B. A., (MED.)
	{ A. M. HEBB, (ARTS.)
	{ A. H. S. MURRAY, (SCIENCE.)

**The Mock Parliament.**

The Mock Parliament meets weekly. All students of the University are welcome, but only students in law are allowed to take part in the debates, which are mostly of a political nature, on questions of the day. It is conducted strictly in accordance with parliamentary procedure.

OFFICERS.

<i>President</i> .....	H. W. ROBERTSON.
<i>Deputy Speaker</i> .....	C. KILLAM, B. A.
<i>Clerk</i> .....	D. K. FINLAYSON.

### Young Men's Christian Association.

Meetings of the Association are held every Saturday evening at the College.

#### OFFICERS.

<i>President</i> .....	G. E. FORBES.
<i>Vice-President</i> .....	F. VANCE.
<i>Recording Secretary</i> .....	C. M. PASEA.
<i>Corresponding Secretary</i> .....	A. H. S. MURRAY.
<i>Treasurer</i> .....	A. M. MCLEOD.

### Young Women's Christian Association.

#### OFFICERS.

<i>President</i> .....	GRACE D. BURRIS.
<i>Vice-President</i> .....	CATHERINE F. MAIR.
<i>Recording Secretary</i> .....	JEAN GORDON.
<i>Corresponding Secretary</i> .....	ALMA HOBRECKER.

### The Moot Court.

The Moot Court is intended for law students only, so far as arguing is concerned. It is conducted as nearly as possible after the manner of the Supreme Courts; and all law students of second and third years standing are required to take part in at least one case during the session. (See Law Faculty.)

### The Dalhousie Athletic Club.

#### OFFICERS.

<i>Honorary President</i> .....	REV. PRESIDENT FORREST.
<i>President</i> .....	A. CUMMING.
<i>Vice-President</i> .....	M. J. MCPHERSON.
<i>Secretary</i> .....	A. H. S. MURRAY.
<i>Treasurer</i> .....	R. T. MACILREITH, LL. B.
<i>Executive Committee</i> .....	{ N. G. MURRAY.
	{ J. DOUGLAS.
	{ D. JARDINE.
	{ L. COCK.
	{ E. B. ROACH.
<i>Representatives on Football Championship Committee</i> .....	{ R. T. MACILREITH.
	{ A. CUMMING.
<i>Ground Committee</i> .....	{ R. T. MACILREITH, <i>Chairman</i> .
	{ A. H. S. MURRAY.
	{ W. S. GRAY.
<i>Captain of Football Team</i> .....	A. CUMMING.

### The Philomathic Society.

The objects of this Society are: (a) to stimulate interest in Literature, Science and Philosophy; (b) to encourage thorough study and independent investigation in special depart-

ments; (c) to give practice in the presentation of subjects, and in the experimental illustration of lectures; (d) to encourage the formation of collections in Botany, Zoology, Geology, Local History, etc. Meetings are held fortnightly during the College Session.

OFFICERS.

<i>President</i> .....	E. R. FAULKNER, B. A.
	HAROLD PUTNAM, B. A.
<i>Vice-Presidents</i> .....	H. R. READ.
	R. DAVIS.
	J. H. ANDERSON.
<i>Secretary-Treasurer</i> .....	W. H. SEDGEWICK.
	H. F. MUNRO.
<i>Executive Committee</i> .....	A. CUMMING.
	MARGARET CHASE.
	BESSIE LOGAN.

The Glee Club.

The Club meets once a week for the practice of glees and choruses.

OFFICERS.

<i>Honorary President</i> .....	PROF. C. MACDONALD.
<i>President</i> .....	GEORGE WOOD.
<i>Vice-President</i> .....	JESSIE B. CAMPBELL.
<i>Secretary</i> .....	A. H. S. MURRAY.
<i>Treasurer</i> .....	J. H. ANDERSON.
	N. MURRAY.
	W. H. SEDGEWICK.
<i>Executive Committee</i> .....	F. G. ZWICKER.
	ETHEL BENTLEY.
	LIZZIE B. HUESTIS.
	ALMA HOBRECKER.
<i>Conductor</i> .....	MR. W. E. DELANEY.
<i>Accompanist</i> .....	MISS E. BENTLEY.

The Philosophical Club.

Five or six meetings during the session are held by this Club for the discussion of current questions of philosophical interest.

OFFICERS.

<i>Honorary President</i> .....	REV. C. MCKINNON, M. A., B. D.
<i>President</i> .....	G. A. SUTHERLAND, M. A.
<i>Secretary</i> .....	G. N. MACKENZIE.

## AFFILIATED COLLEGES.

### Halifax Ladies' College.

*President* . . . . . REV. R. LAING, M. A.

*Principal* . . . . . MISS MARGARET S. KER, (Math. Hons., Cambridge.)

The object of the College is to provide a liberal education for young women. It has three departments of study,—the Primary, (under Miss E. Hunter, B. A., N. B. University), the Preparatory, and the Collegiate.

In the Collegiate department there are two courses of study, one extending over three years and the other over four, and both including English, French, German, Latin, Greek (optional), Mathematics, and Elementary Science. The teaching staff in this department in 1897-8 has been as follows :—

MISS M. S. KER, *Mathematics*.

MRS. MARGARET F. TRUEMAN, M. A. (Dal.), *History, Literature, Latin and Greek*.

MISS REGINA STERN, L.L.A. (St. Andrew's), *French and German*.

MISS BLANCHE LEHIGH, A.T.C.M. (Tor.), *Elocution*.

MISS ALICE W. CORBIN, *Shorthand, Bookkeeping and Typewriting*.

MISS CECILIA DICKIE, B.A. (Wellesley), *Science*.

MISS J. BAIN, *English, Arithmetic and Drawing*.

Young women who have completed the three years' course are admitted to the First year in the Arts and Science Faculties in this University without examination in subjects which formed parts of the course. Those who have completed the four years' course are similarly admitted to the second year.

The College Buildings, which include a Hall of Residence as well as Class Rooms and Assembly Hall, are situated in a central part of the City of Halifax, at a distance of about three-quarters of a mile from Dalhousie College. Young women who are registered students of Dalhousie College are admitted to the Ladies' College as boarders. The conditions of admission and the charges may be ascertained on application to the President.

The College has an Art Studio in which instruction in Fine Art is given by Miss Catherine N. Evans, Head Mistress, of the Victoria School of Art and Design.

Halifax Conservatory of Music.

President.....REV. ROBERT LAING, M. A.  
 Musical Director .....MR. C. H. PORTER, JR.

The Conservatory is under the same Board of Management as the Ladies' College.

FACULTY OF INSTRUCTION.

- Piano*.—MR. C. H. PORTER, Graduate of the Royal Conservatory at Leipsic.  
 “ MRS. M. WALLACE.  
 “ MISS E. PAGE.  
 “ MR. J. H. LOGAN, Graduate of the Royal Hochschule at Berlin.  
 “ MISS HELEN TILSLEY, Graduate of Halifax Conservatory of Music.  
 “ MISS ESTHER CLARKE, Graduate of Halifax Conservatory of Music.  
*Violin*.—MR. MAX WEIL, Graduate of the Royal Conservatory at Leipsic.  
 “ HERR BRUNO SIEBELTS, Graduate of the Royal Conservatory at Leipsic.  
*Voice*.—MR. CHAS. B. WIKEL, New York.  
 “ MISS FLORENCE W. LEWIS, H.C.M.  
*Organ*.—MR. FRANK GATWARD, L.L.C.M. (one to be appointed vice Mr. Gatward resigned.)  
 “ MR. J. H. LOGAN.  
*Clarionet*.—MR. HARRY HANSON.  
*Cornet*.—MR. T. L. COVEY.  
*Flute*.—MR. WILLIAM O'CONNOR.  
*Bassoon and String Bass*.—MR. FRED. HOUSE.  
*Theory and Composition*.—MR. C. H. PORTER.  
*Harmony*.—MR. FRANK GATWARD.  
*History of Music*.—REV. ROBERT LAING, M. A.

BOARD OF EXAMINERS FOR DEGREE OF BACHELOR OF MUSIC.

Appointed by Dalhousie University.

- |                                                                                                                                                                           |   |                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------|
| I. <i>Theory of Music</i> ..                                                                                                                                              | { | C. H. PORTER, Musical Director of the Halifax Conservatory of Music.<br>F. H. TORRINGTON, Musical Director of the Toronto College of Music. |
| II. <i>Acoustics</i> .—PROF. J. G. MACGREGOR, D. Sc.                                                                                                                      |   |                                                                                                                                             |
| III. <i>History of Music</i> .—REV. ROBERT LAING, M. A.                                                                                                                   |   |                                                                                                                                             |
| IV. <i>English Literature</i> .—PROF. MACMECHAN, Ph. D.                                                                                                                   |   |                                                                                                                                             |
| V. <i>The Practice of Music</i> .—THE FACULTY OF INSTRUCTION of the Conservatory, together with ONE EXTRA-MURAL EXAMINER in each instrument, to be appointed as required. |   |                                                                                                                                             |

The Conservatory opens the first WEDNESDAY OF SEPTEMBER, and closes the last WEDNESDAY OF JUNE of each year.

Application for admission and for all information to be addressed to the President, REV. ROBERT LAING, *Halifax, N. S.*

# University Lists.

## DEGREES

Conferred April 26th, 1898.

### MASTER OF ARTS.

- ARCHIBALD, HERBERT THOMPSON, B. A., *By Examination in Greek, (Plato and Aristotle.)*
- AUSTEN, MINNA MAY, B. A., *By Examination in Philosophy.*
- BIGELOW, HARRY VEEDER, B. A., *By Thesis. (The North Atlantic Fisheries Dispute.)*
- CAMERON, IRA WILLIAM, B. A., *By Examination in Pure and Applied Mathematics*
- GRANT, GEORGE ALEXANDER, B. A., *By Examination in Greek (Plato and Aristotle.)*
- HEBB, BERTHA BOYD, B. A., *By Examination in English and English History, (Elizabethan.)*
- HEPBURN, WILLIAM MURRAY, B. A., *By Examination in Greek.*
- JORDAN, EDWARD ELLIOTT, B. A., *By Examination in Pure Mathematics.*
- McKAY, IRA. B. A., *By Examination in Philosophy.*
- McKAY, THOMAS CALVIN, B. A., *By Thesis (On the Calculation of the Conductivity of Aqueous Solutions containing the Chlorides of Sodium and Barium. Pub. N. S. Inst. Science.)*
- McPHEE, MARGARET JANET, B. A., *By Examination in English (Scott).*
- NICHOLSON, JOHN WILLIAM ANGUS, B. A., *By Examination in Philosophy.*
- SUTHERLAND, GEORGE ADAM, B. A., *By Examination in Philosophy.*
- TREFRY, JAMES HARTLEY, B. A., *By Examination in English (Scott).*
- TRUEMAN, MARGARET FLORENCE, B. A., *By Examination in History.*

### MASTER OF SCIENCE.

- ARCHIBALD, EBENEZER H., B. SC, *By Thesis (On the Conductivity of Solutions containing Sodium and Potassium Sulphates, and three other papers published in the Transactions of the N. S. Inst. of Science, and the Royal Society of Canada )*

### BACHELOR OF ARTS.

- BLANCHARD, AUBREY BLANCHARD ..... Truro.
- BRODIE WILLIAM STUART ..... Halifax,
- BUCHANAN, MURDOCH ..... St. Ann's, Vict. Co.
- CAMPBELL, ALVIN HENRY ..... Elmsdale.
- CAMPBELL, DUNCAN McDONALD ..... Salmon River, Col. Co.
- COLQUHOUN, JOHN GEORGE ..... Little Harbour, Pictou Co.
- CORSTON, JAMES ROBERT ..... Halifax.

CROWE, HENRY STANLEY .....	Central Onslow.
DEWOLFE, MARGARET WOODILL .....	Halifax.
GRANT, CLARENCE FRASER .....	Port Morien.
HOCKIN, JOHN GEORGE .....	Halifax.
KENNEDY, ELIZABETH EROTA .....	Halifax.
LEWIS, BESSIE BLANCHE .....	Truro.
LOGAN, BESSIE MARGARET .....	Truro.
MACDONALD, DANIEL JOHN .....	Point Prim, P. E. I.
MACKINTOSH, FINLAY H .....	Sunnybrae.
McKAY, CATHERINE WETMORE .....	Dartmouth.
McKENZIE JOHN BRADSHAW .....	Campbellton, N. B.
MACRAE, DONALD ALEXANDER .....	Canoe Cove, P. E. I.
MORTON, JAMES ROLAND .....	Halifax.
MURRAY, NORMAN GRANT .....	Halifax.
NOBLE, JOHN DUNCAN .....	Miramichi, N. B.
O'BRIEN, MILTON ADDISON .....	Noel, Hants Co.
RANKINE, JAMES MILLER .....	Halifax.
READ, HIBBERT ROBERT .....	Athol.
ROSS, WILLIAM ALEXANDER .....	Lorne.
SEDGEWICK, WILLIAM HARRY .....	Middle Musquodoboit.
STEEVES, BLANCHARD PERLEY .....	Elgin, N. B.
WATT, ARTHUR WILLIAM .....	Pictou.
WOOD, GEORGE .....	Halifax.

**BACHELOR OF LETTERS.**

McKINNON, WILLIAM THOMAS MORRIS .....	Amherst.
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**BACHELOR OF SCIENCE.**

COOK, ALEXANDER DAVID .....	Halifax.
MORRISON, HUGH THOMAS .....	Dartmouth.

**BACHELOR OF LAWS.**

BOYD, JOHN ALBERT, B. A. ....	Antigonish.
CUMMINGS, ALFRED GRAHAM, B. A. ....	Onslow.
FINN, ROBERT EMMETT .....	Dartmouth.
FRASER, THOMAS MUNRO .....	New Glasgow.
JOHNSTON, JAMES ROBINSON, B. L. ....	Halifax.
KAULBACH, RUPERT CREIGHTON .....	Lunenburg.
LEAHY, WILLIAM JAMES .....	Halifax.
MacEChEN, FRANCIS ALEXANDER .....	Sydney.
McLATCHY, HARRY OTIS .....	Grand Pré.
McLEOD, JOHN ROBERT .....	Springhill.
MAHON, HARRY EDMUND, B. A. ....	Halifax.
MILLS, NEHEMIAH MARKS .....	St. Stephen, N. B.
NICHOLLS, EDWARD HART, B. A. ....	Digby.
NICHOLLS, GEORGE EVERARD EDGEHILL .....	Halifax.
OAKES, INGRAM, B. A. ....	New Albany.
O'CONNOR, WILLIAM FRANCIS .....	Halifax.
PARSONS, GEORGE HAROLD, B. A. ....	Halifax.

PARSONS, WILLIAM RUFUS, B. A . . . . .	Halifax.
PURDY, HARRY ALDEN, B. A . . . . .	Amherst.
PURNEY, WILLARD PARKER . . . . .	Shelburne.
PUTNAM, HAROLD, B. A . . . . .	Lower Onslow.
ROBERTSON, HARRY WHITFORD . . . . .	Wickham, N. B.
TUFTS, CLIFFORD ASHTON, B. A . . . . .	Kingston.

**DOCTOR OF MEDICINE AND MASTER IN SURGERY.**

ARCHIBALD, MATTHEW GEORGE . . . . .	Middle Musquodoboit.
BREHM, ROBERT ALMON . . . . .	St. John's, Nfld.
BUCKLEY, AVERY FILLIS . . . . .	Halifax.
FORREST, WILLIAM DUFF, B. SC . . . . .	Halifax.
GANDIER, GEORGE GAW . . . . .	Newburgh, Ont.
MCDONALD, DANIEL . . . . .	Leitch s Creek, C. B.
McKENZIE, MURDOCH DANIEL . . . . .	Grand River, C. B.
MORTON, ANGUS MCDONALD . . . . .	Woodville, Kings.
THOMPSON, ALFRED . . . . .	Nine Mile River, Hants

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**HONOURS, MEDAL, Etc., 1897-98.**

**HONOURS.**

*Classics.*

GRANT, CLARENCE FRASER . . . . .	Honours.
MACRAE, DONALD ALEXANDER . . . . .	High Honours.

*Philosophy.*

BLANCHARD, AUBREY BLANCHARD . . . . .	Honours.
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*Pure and Applied Mathematics.*

MORRISON, HUGH THOMAS . . . . .	Honours.
WATT, ARTHUR WILLIAM . . . . .	High Honours.

**DISTINCTION.**

CROWE, HENRY STANLEY . . . . .	Great Distinction.
HOCKIN, JOHN GEORGE . . . . .	Great Distinction.
SEDGEWICK, WILLIAM HARRY . . . . .	Great Distinction.

**MEDAL.**

MACRAE, DONALD ALEXANDER . . . . .	University Medal.
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**PRIZES.**

SEDGEWICK, WILLIAM HARRY . . . . .	Avery Prize.
PASEA, CHARLES MONRO . . . . .	Waverley Prize.

**SCHOLARSHIPS AND BURSARIES.**

ARCHIBALD, EBENEZER HENRY, B. SC . . . . .	Nomination to the 1851 Exhibition Science Scholarship.
MACDONALD, WENTWORTH STANLEY . . . . .	North British Society Bursary.



*Senior Entrance.*

PASEA, CHARLES MONRO.....Professors' Scholarship.  
 MACDONALD W. STANLEY.....Sir William Young Scholarship.

*Junior Entrance.*

HARVEY, EDWARD KITSON.....Mackenzie Bursary.  
 ARCHBOLD, FRANCIS HAROLD.....Professors Scholarship.  
 RITCHIE, REGINALD LEE.....Sir William Young Scholarship.  
 BOAK, LILLIE MAY....." " "  
 HOCKIN, ARTHUR....." " "

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**EXAMINATIONS, 1897-98.**
**FACULTIES OF ARTS AND SCIENCE.****MATRICULATION EXAMINATIONS.**

**SENIOR.**—With *First Class Distinction*: Pasea, C. M. *Passed*: Macdonald, W. Stanley. *Passed in certain subjects*: Rand, Annie M., in *Greek*; Bradley, J. A., in *Mathematics* and in *History and Geography*; MacKenzie, G. N., in *Latin, Greek and English*; Bentley, J. S., in *English*; Burrows, L. R., in *English*; Borden, L. E., in *Arithmetic and Algebra*; Macdonald, D. J., in *Greek*; Campbell, A. H., in *Greek*.

**JUNIOR.**—With *First Class Distinction*: Harvey, Edward K.; Kent, Harry A.; Archbold, Frank H.; Ritchie, Reginald-L. With *Second Class Distinction*: Boak, Lillie M.; Hockin, A.; Clark, Allan J. *Passed in certain subjects*: MacLeod, A. M., in *Latin, English, History and Geography*; Ross, D. C., in *Greek*; Lindsay, M. A., in *History, Geography and Geometry*; Forrest, G. M., in *French and German*; Mitchell, G. S., in *English*; Stewart, Elizabeth N., in *German*; Hebb, A. M., in *Latin and German*; Hebb, T. C., in *Latin and German*.

**MATRICULATED BY CERTIFICATE.**

**SENIOR.**—Kent, Harry A.; Spencer, A. G.; Myers, C. A. (*Greek excepted*).

**JUNIOR.**—Anderson, Harold B.; Bradley, J. A.; Carr, J. B.; Cameron, F.; Cordiner, C. A., (*French and German excepted*); Crowe, H. S.; Cunningham, W. A.; Forbes, H. D.; Forrest, G. M., (*French and German excepted*); Forrest, Jean F.; Gordon, Jean A. M.; Gorham, Mildred, H.; Gould, William M.; Hebb, T. C., (*Latin and German excepted*); Kennedy, James H.; McIntosh, C. C.; Mackasey, W. P.; Mackie, J. C.; Macpherson, F. G.; Macpherson, M. J.; Morrison, H. T., (*Languages excepted*); Rand, Annie M., (*Greek excepted*); Ruggles, V. D.; Stewart, Elizabeth H., (*German excepted*); Stewart, James D.; Stewart, William E.; Stuart, Mary Ethel; Vance, F. S.; Williams, Winifred B.

**SPECIAL EXAMINATION.**

*Junior Chemistry.*—Mackintosh, Finlay H.

**SUPPLEMENTARY EXAMINATIONS.**

**LATIN.**—*Third*: Corston, J. R.; DeWolfe, Margaret W. *Second*: Campbell, A. H.; Ross, D. C.; Ross, W. A. *First*: Burrows, L. R.

GREEK.—*Fourth*: Morton, J. R. *Third*: Wood, G. *Second*: Wood, G.; Morrison, W. A.

ENGLISH.—*Senior*: Morton, J. R. *First*: Blanchard, M. W.

PHILOSOPHY.—*Junior*: Ross, D. C.; Kent, H. H.; McLeod, J. C.; McKay, R. G.

PHYSICS.—*Senior*: Brodie, W. S. *Junior*: O'Brien, M. A.; Buchanan, M.; Kennedy, Elizabeth E.

GEOMETRY.—*Second*: Noble, J. D.; Macdonald, D. J.; Rankine, J. M. *First*: Buchanan, M.; MacKenzie, G. N.; MacKinnon, W. T. M.

TRIGONOMETRY.—*Second*: Buchanan, M.; Rice, Grace; Noble, J. D.; McKay, R. G.

ALGEBRA.—*First*: Buchanan, M.; Henderson, G.; MacKenzie, G. N.; Noble, J. D.; MacKinnon, W. T. M.

#### DEGREE EXAMINATIONS.

##### CLASS LISTS.

(Containing the names, arranged in the order of merit, of all students who have passed in the subjects of the various classes.)

##### LATIN.

FOURTH: *Class I*—MacRae, D. A.; Crowe, H. S.; McKenzie, J. B.; Grant, C. F.; Hockin, J. G. *Class II*—Munro, H. F. *Passed*—Lewis, Bessie B.; Campbell, D. McD.; Kennedy, Elizabeth E.; (Corston, J. R.; Murray, N. G.) Rankine, Jas. M.; McKay Katie W.

THIRD: *Class I*—Anderson, C. W. *Class II*—None. *Passed*—Campbell, Jessie B.; Routledge, A. W.; Keith, Donald; Fisher, J. A.; Mackenzie, L. B.; Mackay, Annie; Rice, Grace; Hebb, A. M.; Cumming, Alison; Fulton, C.; Mackenzie, Jane L.; Burris, Grace D.; Chase, Margaret H.; O'Brien, C. W.; Kent, H. H.

SECOND: *Class I*—Macdonald, W. S.; Ramsay, E. H.; MacLeod, E. A.; Kent, H. A.; Weldon, J. W. *Class II*—Spencer, A. G.; Worsley, P. J.; Henderson, Geo.; Bentley, J. S.; Macdonald, M. S.; MacKinnon, D. H. *Passed*—Simpson, Ruth; Myers, C. A.; Cunningham, A. R.; Rand, Annie M.; Wood, T. C.; Ross, J. S.; Hebb, T. C.; Douglas, Edgar; (Mair, Catherine F.; Rankine, John;) (McDonald, Ewen; Mackintosh, F. G.) Read, Edith M.; Flemming, Ethel; Blanchard, M. W.; Chisholm, Maude; Mackay, Nora K. *Passed the Christmas Examination*—Fleming, Nancy; Lynch, G. J. *Passed the April Examination*—Mackenzie, D. W.

FIRST: *Class I*—Mackie, J. C.; McPherson, M. J.; (Williams, Winifred B.; Stewart, J. D.) *Class II*—Harvey, E. K.; Ruggles, V. D.; Carr, J. B.; Forrest, Jean F. *Passed*—Gordon, Jean; Vance, F. S.; Hockin, Arthur; Stuart, Mary E.; Cameron, Fraser; Ritchie, R. L.; Simson, Robie. *Passed (Special)*—Boak, Lillie M. *Passed the Christmas Examination*—Archbold, F. H.; Forbes, H. D. *Passed the April Examination*—Kennedy, J. H.; Hobrecker, Alma; Cock, J. L.; McInnes, K. J.; McQueen, N.; Morrison, Bertha.

##### GREEK.

FOURTH: *Class I*—MacRae, D. A.; Crowe, H. S.; Grant, C. F.; Sedgewick, W. H.; Hockin, J. G. *Class II*—Munro, H. F. *Passed*—McKenzie, J. B.; Campbell, D. McD.; Kennedy, Elizabeth E.; Rankine, Jas. M. *Special Examination*—Lewis, Bessie B. *Passed the April Examination*—Wood, G.

THIRD: *Classes I and II*—None. *Passed*—Campbell, Jessie B.; Ross, Theodore; Borden, L. E.; Farquharson, W. O.; Mackenzie, G. N.; Mackenzie, L. B.

SECOND: *Class I*—Macdonald, W. S.; Kent, H. A.; Ramsay, E. H. *Class II*—Macleod, E. A.; Spencer, A. G.; Rankine, John. *Passed*—McKinnon, D. H.; Cunningham, A. R.; Myers, C. A.; Rand, Annie M.; Ross, J. S. Mackintosh, F. G.; Bradley, J. A.; (Simpson, Ruth; McKenzie, D. W.; Blanchard, M. W. ;) (McDonald, Ewen; Ross, W. A.; Mair, Catherine; Ross, D. C.) *Passed the April Examination*—Morrison, W. A.

FIRST: *Class I*—Mackie, J. C. *Class II*—Vance, F. S.; McPherson, M. J.; Ruggles, V. D. *Passed*—McIntosh, C. C.; Hockin, Arthur; Stewart, J. D.; Carr, J. B.; Gordon, Jean. *Passed the Christmas Examination*—Archbold, F. H.; Macdougall, Jas.

## FRENCH.

THIRD: *Class I*—(DeWolfe, Margaret W.; Worsley, Pennyman;) Baird, J. W. A. *Class II*—O'Brien, O. F.; Cook, A. D. *Passed*—Mackinnon, W. T. M.

SECOND: *Class I*—Pasea, C. M.; Weldon, J. W.; Macdonald, Stewart; (Fleming, Nancy O'B.; Harvey, Edward K.) *Class II*—Gorham, Mildred; (Forrest, Jean F.; Read, Edith McG. ;) Wood, T. C.; Mackie, J. C.; Bentley, J. S. *Passed*—(Chisholm, Maud; Fleming, Ethel;) (Logan, Bessie M.; Stewart, W. E. ;) Forrest, G. M.; Campbell, D. M.; (Mackay, Nora K.; Lewis, Bessie B. ;) Lynch, Geo. J.; Ritchie, Reg. L.; Stuart, Mary E.; Donovan, W. E.; Douglas, Edgar. *Passed (Special)*—Boak, Lillie M.

FIRST: *Class I*—None. *Class II*—Borden, L. E.; (Ruggles, Vernon; Cameron, Fraser;) (Hobrecker, Hedwig; McArthur, A.) *Passed*—Gould, W. M.; Kennedy, J. H.; (Mackasey, W. P.; Crowe, Henry S. ;) Simmonds, Lillie; Cock, J. L.; Forbes, H. D.; MacCaskill, J. J.

## GERMAN.

THIRD: *Class I*—None. *Class II*—Lewis, Bessie B. *Passed*—None.

SECOND: *Class I*—Stewart, Elizabeth H.; Anderson, B. C.; Williams, Winifred B.; Crowe, H. Stanley; Murray, A. H. S.; McKenzie, Geo W. *Class II*—None. *Passed*—McKay, Ira; (Watt, Arthur W.; Fleming, Jas M. ;) (Hebb, T. C.; Steeves, B. P. ;) Farquharson, W. O.; Burrows, L. R.; Mackinnon, W. T. M.; Cameron, Ira; Morrison, H. T.; Cordiner, C. A.

FIRST: *Class I*—Messenger, Ralph; Anderson, C. W. *Class II*—Stewart, W. E.; Barnes, James. *Passed*—Rice, Grace; Simmonds, Lillie; Gould, W. M.

## ENGLISH.

FOURTH: *Class I*—Davis, R.; Lawson, P. F. *Class II*—Haverstock, Alice; Huestis, Lizzie; Wood, George. *Passed*—(Blanchard, A. B.; Noble, J. D. ;) Campbell, Jessie; Kennedy, Elizabeth; (Anderson, J. H. A.; Macdonald, A. J.; Murray, N. G.; Read, H. R. ;) Rankine, J. M.; (Buchanan, M.; McCurdy, Elizabeth. ;) (McKay, Katie; Morrison, W. A. ;) Ross, W. A.; Corston, J. R.; (Brodie, Isabel; Macdonald, D. J. ;) McKinnon, W. T. M.

THIRD: *Class I*—Routledge, A. W. *Class II*—Chase, Margaret; Outhit, W. E.; McKay, Annie. *Passed*—Macdougall, A. L.; Keith, D.; Hobrecker, Alma; Burris, Grace D.; (McKenzie, Jane; Rice, Grace;) Lindsay, C. F.; Fisher, J. A.

SECOND: *Class I*—Myers, C. A.; Macdonald, W. S.; Ramsay, E. H.; Flemming, Ethel; Henderson, G. *Class II*—Macleod, E. A.; Wood, T. C.; (McKay, Nora K.; Simpson, Ruth; Weldon, J. W.;) Worsley, P. J.; Fleming, Nancy; Mair, Catherine. *Passed*—Mackintosh, F. G.; Rand, Annie; (Pasea, C. M.; Read, Edith; Ross, J. S.;) Cunningham, A. R.; Kent, H. A.; (Lynch, G. J.; Chisholm, Maud); Blanchard, M. W.; (Macdonald, M. S.; MacDougall, J.; McKenzie, D. W.;) Hebb, T. C.; (Fleming, J. M.; McKinnon, D. H.;) Rankine, J.; Douglas, E.; Bentley, J. S.; (Anderson, B. C.; Spencer, A. G.;) Bradley, J. A.; Ferguson, J. A.; Forrest, G. M.; Macdonald, E.; Donovan, W. E.

FIRST: *Class I*—(Stuart, Mary E.; Stewart, J. D.) *Class II*—Forrest, Jean F.; Gorham, Mildred; Williams, Winifred; Dennis, Helen T.; Harvey, E. K.; (Gordon, Jean; Stairs, Susan I.) *Passed*—McPherson, M. J.; Kennedy, J. H.; Hockin, A.; Liechti, Minna; Simmonds, Lillie; (Carr, J. B.; Mackie, J. C.; McLeod, Margaret;) (Stewart, W. E.; Vance, F. S.; McInnes, K. J.; Simson, R.; (Forbes, H. D.; Hobrecker, Hedwig;) (Crowe, H. S.; Gould, W. M.; McArthur, A.); Cameron, F.; Ritchie, R. L.; Ruggles, V. D.

#### HISTORY.

SENIOR: *Class I*—Sedgewick, W. H.; Hockin, J. G.; Seeley, C. H. *Class II*—(Logan, Bessie M.; Mackinnon, W. T. M.) *Passed*—DeWolfe, Margaret W.; Rankine, J. M.; Macdonald, A. J.; Noble, J. D.; Read, H. R.; O'Brien, M. A.; Murray, R. P.; Colquhoun, J. G.; Wood, George; Ross, D. C. *Special*—Lewis, Bessie B.

JUNIOR: *Class I*—Davis, Roy; Routledge, A. W.; Ross, Theodore. *Class II*—Cumming, Alison; MacKay, Annie; Chase, Margaret H.; Rice, Grace E. *Passed*—Hobrecker, Alma H.; Keith, D.; Borden, L. E.; McIntosh, C. C.; (Anderson, C. W.; Mackintosh, F. H.;) Outhit, W. E.; McLeod, A. M.; Anderson, J. H. A.; Ross, G. M.; MacKenzie, Jane; Fulton, C.; Macdonald, A. J.; Ramsay, J. A.; O'Brien, C. W.; Kent, H. H.; (Campbell, Jessie B.; McLeod, J. C.;) (Forbes, G. E.; MacCaskill, J. J.;) (Burris, Grace D.; Fisher, J. A.;) Cunningham, W. A.; MacKenzie, L. B.; (Glover, B.; Fisher, Frank;) Buchanan, M.; Sutherland, Edith; Hebb, A. M. *Special Examination*—O'Brien, O. F.

#### POLITICAL ECONOMY.

ADVANCED: *Class I*—None. *Class II*—McKinnon, W. T. M. *Passed*—Wood, George; Corston, James R.

JUNIOR: *Class I*—Sedgewick, W. H.; Ross, Theodore; Hockin, J. G.; Crowe, H. S. *Class II*—Seeley, C. H.; Logan, Bessie M. *Passed*—Kennedy, Elizabeth E.; McLeod, J. C.; DeWolfe, Margaret W.; Fisher, Frank; Kent, H. H.; McLeod, A. M.; Ross, George M.; Glover, B.; Murray, Norman; McKay, Katie W.; O'Brien, M. A.; Rankine, J. M.; Lawson, P. F.; Forbes, G. E.; Cunningham, W. A.; McKay, R. G.; Burrows, L. R. *Special Examination*—Steeves, B. P.; O'Brien, O. F.

#### PHILOSOPHY.

ADVANCED: *Class I*—Blanchard, A. B. *Class II*—Sutherland, G. A., B.A. *Passed*—Nicholson, J. W. A., B.A.; Austen, M. May, B.A.; Mackintosh, F. H.; Farquharson, W. O.; Ross, W. A.

MORAL: *Class I*—Blanchard, A. B.; Mackenzie, G. N.; Sedgewick, W. H.; Mackintosh, F. H. *Class II*—Anderson, J. H. A.; Hockin, J. G.; Ross, W. A. *Passed*—Farquharson, W. O.; Read, H. R.; Noble, J. D.; Morrison, W. A.; McKay, Katie W.; Wood, George; Corston, J. R.; Logan, Bessie M.; Hebb, A. M.; O'Brien,

M. A.; Chase, Margaret H.; Hobrecker, Alma H.; Dickie, Gordon B.A.; Grant, C. F.; Macdonald, D. J.; Murray, N. G.; Seeley, C. H.; Macdonald, A. J.; Buchanan, M.; Colquhoun, J. G.; Ross, D. C. *Special Examination*—Burrows, L. R.

SENIOR: *Class I*—Mackenzie, G. N.; Anderson, J. H. A. *Class II*—Outhit, W. E.; Chase, Margaret H.; Farquharson, W. O.; Davis, Roy; Anderson, C. W. *Passed*—McLeod, A. M.; Ross, T.; McIntosh, C. C.; Ramsay, J. A.; Glover, B.; McKenzie, J. B.; O'Brien, M. A.; Cumming, A.; MacDougall, A. L.; Fisher, Frank; Ross, G. M.; Mackenzie, Janie; Mackenzie, L. B.; Forbes, G. E.

JUNIOR: *Class I*—Macdonald, W. S.; Ramsay, E. H.; Myers, C. A. *Class II*—Macleod, E. A.; McKinnon, D. H.; Macdonald, M. S.; Rand, Annie M.; Lawson, P. F.; Henderson, Geo.; Kent, H. A.; Mackenzie, D. W.; Simpson, Ruth. *Passed*—Fleming, Nancy O'B.; Worsley, P. J.; Mair, Catherine F.; Spencer, A. G.; Ross, J. S.; Macdonald, Ewen; Cunningham, A. R.; (Read, Edith M.; Weldon, J. W.) McKay, Nora K.; (Rankine, J.; Wood, T. C.) Bradley, J. A.; Mackintosh, F. G.; Chisholm, Maude; Douglas, E.; (Blanchard, M. W.; Bentley, J. S.) *Passed in Psychology*—MacDougall, James; Saunders, Grace H.

## EDUCATION.

*Class I*—Crowe, H. S. *Class II*—Austen, M. May, B.A.; Dempsey, Isabella; Fulton, C.; Logan, Bessie M.; Wakely, Agnes. *Passed*—Edgecombe, Ethel; Egan, Jean; DeWolfe, Margaret W.; Brother Aloysius; Kennedy, Elizabeth E.; Saunders, Grace H.; Steeves, B. P.; Haverstock, E.; Ackhurst, Violet; Blois, E.; McKerrow, Horace G.

## MATHEMATICS.

ADVANCED (partial course): *Passed*—Stewart, Elizabeth H.

SENIOR: *Class I*—Pasea, C. M.; Hebb, T. C.; Read, Edith M.; Anderson, B. C.; Ramsay, E. H.; Weldon, J. W.; Mackenzie, D. W.; Flemming, Ethel A.; Macdonald, W. Stanley; Fleming, J. M.; *Class II*—Myers, C. A.; Cunningham, A. R.; Kent, H. A. *Passed*—Forrest, G. M.; McKinnon, D. H.; Mackintosh, F. G.; Bradley, J. A.; Bentley, J. S.; Spencer, A. G.; Douglas, E.; McKay, Nora K.; Ross, J. S.; Macdonald, M. Stewart; Simpson, Ruth; Wood, T. C.; Chisholm, Maude; Rankine, J.; Lynch, G. J.; Macleod, E. A.; Mair, Catherine F.; Worsley, P. J.; Blanchard, M. W. *Passed in Geometry*—Fleming, Nancy O'B.; Ferguson, J. A. *Passed in Trigonometry and Algebra*—Henderson, Geo.; Macdonald, A. E. M.

JUNIOR: *Class I*—Mackie, J. C.; Gould, W. M. *Class II*—Williams, Winifred B.; Cameron, F.; Harvey, E. K.; Hockin, A.; Stewart, W. E.; Stuart, M. Ethel; Vance, F. S.; McArthur, A. *Passed*—Forrest, Catherine; Gordon, Jean; McPherson, M. J.; Forrest, Jean F.; Cock, J. L.; Kennedy, J. H.; Mackasey, W. P.; Ruggles, V. D.; Stewart, J. D.; Gorham, Mildred; Crowe, H. S.; Forbes, H. D. *Passed in Geometry*—Fraser, Anna; Carr, J. B.; McInnes, K. J.; Ritchie, R. L.; McQueen, N.

## PHYSICS.

ADVANCED MATHEMATICAL: *Class II*—McKay, T. C., B. A.

SENIOR: *Class I*—Campbell, D. M. *Class II*—Baird, J. W. A.; Barnes, J.; Murray, A. H. S. *Passed*—Messenger, R. J.; Watt, A. W.; McKenzie, G. W.; Lawlor, Gertrude; Moody, Georgina M.; Steeves, B. P.

JUNIOR: *Class I*—Pasea, C. M.; Hebb, T. C. *Class II*—Anderson, B. C.; Messenger, R. J.; (Outhit, W. E., Ross, T.); Ramsay, J. A.; Moody, Georgina M.; (Flemming, Ethel, Lawlor, Gertrude). *Passed*—Hebb, A. M.; Anderson, C. W.; Fleming, J. M.; Glover, B.; Fulton, C.; Cunningham, W. A.; (O'Brien, O. F., Read, Edith M.); Routledge, A. W.; (Borden, L. E., Kent, H. H.); McLeod, A. M.; (McIntosh, C. C., Mackenzie, G. N.); (Fisher, F., Forrest, G. M., Mackay, R. G., Ross, G. M.); Mackay, Annie; Burris, Grace; Anderson, J. H. A.; Keith, D.; Chase, Margaret H.; MacCaskill, J. J.; (Cumming, A., Forbes, G. E., MacDougall, A. L., Rice, Grace).

PRACTICAL: (*Alphabetically arranged in Classes*) *Class I*—Barnes, J.; Lindsay, C. F.; Morrison, H. T. *Class II*—McKenzie, G. W.; Murray, A. H. S. *Passed*—Steeves, B. P.

## CHEMISTRY.

SENIOR: *Class I*—Pasea, C. M.; Anderson, B. C. *Class II*—Cumming, A.; Forrest, G. M. *Passed*—Fleming, J. M.

JUNIOR: *Class I*—Mackie, J. C.; Gould, W. M.; Harvey, E. K.; Burris, Grace D.; (Hockin, A., Stewart, W. E.). *Class II*—Williams, Winifred B.; (Forrest, Jean F., Campbell, D. G. J.); Cameron, F.; (Mackay, Annie; Fisher, J. A.) *Passed*—McArthur, A.; Stairs, Susan I.; (Hobrecker, Hedwig; Carr, J. B.); Crowe, H. S.; Stewart, J. D.; Kent, H. H.; Mackenzie, G. N.; Stuart, Mary E.; (Kennedy, J. H.; Vance, F. S.); Cock, J. L.; Mackasey, W. P.; Ruggles, V. D.; Gordon, Jean; McPherson, M. J.; Lynch, George J.; Forbes, H. D.; Ritchie, R. L.

ADVANCED PRACTICAL (Inorganic): *Class I*—None. *Class II*—Mackinnon, W. T.; Barnes, J.

ADVANCED PRACTICAL (Physiological): *Class I*—None. *Class II*—Cook, A. D.

SENIOR PRACTICAL: *Class I*—Stewart, Elizabeth H.; DeWolfe, Margaret W. *Class II*—McKay, Catherine W.; Cordiner, C. A. *Passed*—Henderson, G.

JUNIOR PRACTICAL: *Class I*—McKenzie, G. W.; Morrison, H. T.; Messenger, R. J. *Class II*—Baird, J. W. A.; Fleming, J. M.; Lawlor, Gertrude. *Passed*—Corston, J. R.; O'Brien, O. F.; Moody, Georgina; O'Brien, C. W.; Murray, N. G.; Wood, G.

## MINERALOGY.

*Class I*—Campbell, D. M.

## DESCRIPTIVE GEOMETRY.

*Class I*—(Morrison, H. T.; Pasea, C. M.); Anderson, B. C.; Fleming, James. *Class II*—Forrest, Geo. M.

## FACULTY OF LAW.

## DEGREE EXAMINATIONS.

(Containing the names arranged in the order of merit in the First and Second Class, and alphabetically in the Pass List, of students who have passed in the various subjects.)

## TORTS

*Class I.*—Finlayson; Foley; Freeman. *Class II.*—Jardine; Killam; Douglas; Pearson; Nichols, F. W.; Begg. *Passed.*—O'Hearn; Brehaut; Butts.

## REAL PROPERTY.

*Class I.*—Foley; Butts; Reynolds; Douglas; Brehaut. *Class II.*—Begg; Jardine; O'Hearn; Freeman; Ternan. *Passed.*—Finlayson; Moseley; Killam; Pearson; Nichols, F. W.

## CONTRACTS.

*Class I.*—Foley; Finlayson. *Class II.*—Brehaut; O'Hearn; Jardine. *Passed.*—Moseley; Butts; Begg; Ternan; Pearson.

## BILLS AND NOTES.

*Class I.*—Burchell; McDonald; McIntyre; Newcombe; McKay, H. S.; Purney; Macleod; O'Connor; Gray; Mahon; MacEchen; Nichols, E. H.; Douglas; MacKay, J. J.; Finn; Waddell; Matheson. *Class II.*—Fawcett; Robertson; Freeman; Lamb; Ayre; Foote; Leahy; Murphy; Killam; Tufts; Sargent; Nichols, F. W.; Cummings; Purdy; Jamieson; McLatchy; Mills; Putnam; Cameron; Oakes. *Passed.*—Church; McMillan; O'Mullin; Harris; Boyd; Dunn; Parsons, W. R.; Seeley; Parsons, G. H.; Schurman; Johnston.

## CONSTITUTIONAL HISTORY.

*Class I.*—Crowe, H. S.; Sedgewick, W. H. *Class II.*—Foley; Begg; Richardson; Routledge, A. W.; Ross, T. *Passed.*—Blanchard, A. B.; Butts; Finlayson; Fulton, C.; Jardine; Keith, D.; Lawson, P. F.; Pearson; Ternan

## CRIMINAL LAW.

*Class I.*—Burchell; Foley; Richardson; Jardine. *Class II.*—O'Hearn; Waddell; Freeman; Douglas. *Passed.*—Begg; Brehaut; Butts; Finlayson; Killam; Moseley; Nichols, F. W.; Pearson; Reynolds; Ternan.

## PROCEDURE.

*Class I.*—Purney; McLatchy; Waddell. *Class II.*—Parsons, G. H.; Purdy; Boyd; Oakes; Nichols, E. H. *Passed.*—Leahy; O'Connor; Parsons, W. R.; Tufts; Putnam; MacEchen; Macleod; Kaulbach; Finn; Dunn; Nichols, G. E. E.

## SHIPPING.

*Class I.*—Burchell; McIntyre; Grey; Newcombe; O'Connor; Cameron; McDonald; Waddell; Purney. *Class II.*—McLatchy; Johnston; Mahon; Cummings; Purdy; Seeley; Macleod; Nichols,

E. H. ; Richardson ; Ayre ; Jamieson ; Sargent ; Parsons, W. R. ; MacEchen ; Leahy ; Robertson ; Putnam *Passed.*—Boyd ; Church ; Dunn ; Fawcett ; Finn ; Foote ; Harris ; Kaulbach ; Lamb ; McKay, H. S. ; McKay, J. J. ; McMillan ; Matheson ; Mills ; Murphy ; Nichols, G. E. E. ; Oakes ; O'Mullin ; Parsons, G. H. ; Schurman ; Slayter ; Tufts.

## EQUITY.

*Class I.*—Burchell ; (McIntyre ; O'Connor) ; Finn ; MacEchen ; Cummings ; Mahon ; Purney ; Grey ; Putnam ; Jamieson ; Douglas. *Class II.*—Macleod ; Ayre ; Foote ; Robertson ; Nichols, E. H. ; Newcomb ; Murphy ; Cameron ; Boyd ; Seeley ; McDonald ; Matheson ; Sargent ; Oakes ; McKay, H. S. ; McKay, J. J. ; Tufts. *Passed.*—McMillan ; Waddell ; Johnston ; Harris ; Nichols, F. W. ; Lamb ; Killam ; Fawcett ; Church ; Nichols, G. E. E. ; Richardson ; Purdy ; Parsons, W. R. ; Leahy ; Butts ; Schurman ; Freeman ; McLatchy ; Parsons, G. H. ; Mills ; O'Mullin.

## PARTNERSHIP AND COMPANIES.

*Class I.*—Burchell ; MacEchen ; (Macleod ; Newcombe). *Class II.*—Church ; Cameron ; McMillan ; Grey ; McLatchy. *Passed.*—Ayre ; Boyd ; Cummings ; Douglas ; Dunn ; Fawcett ; Finn ; Freeman ; Harris ; Jamieson ; Johnston ; Killam ; Leahy ; McDonald ; McIntyre ; McKay, H. S. ; McKay, J. J. ; Mahon ; Mills ; Murphy ; Matheson ; Nichols, E. H. ; Nichols, F. W. ; Nichols, G. E. E. ; Oakes ; O'Connor ; Parsons, G. H. ; Parsons, W. R. ; Purdy ; Purney ; Putnam ; Richardson ; Robertson ; Sargent ; Schurman ; Seeley ; Slayter ; Tufts ; Waddell.

## CONFLICT OF LAWS.

*Class I.*—None. *Class II.*—Nichols, E. H. ; Cummings. *Passed.*—Purdy ; Foote ; Parsons, G. H. ; Tufts.

## INTERNATIONAL LAW.

*Class I.*—Purney ; MacEchen ; Mahon ; Cummings ; O'Connor ; Finn ; Macleod. *Class II.*—Oakes ; McLatchy ; Boyd ; Jamieson ; Parsons, W. R. ; Seeley. *Passed.*—Dunn ; Johnston ; Leahy ; Mills ; Nichols, G. E. E. ; Robertson.

## CONSTITUTIONAL LAW.

*Class I.*—Grey ; McIntyre ; Newcombe ; Richardson ; Matheson. *Class II.*—McDonald ; Sargent ; Freeman ; McKay, J. J. ; Nichols, F. W. ; Murphy. *Passed.*—Cameron ; Church ; Douglas ; Fawcett ; Foote ; Harris ; Killam ; Lamb ; McKay, H. S. ; McMillan ; O'Mullin.



## FACULTY OF MEDICINE.

## GENERAL PASS LIST.

(Alphabetical Order.)

*Primary M. D., C. M. Examinations.*(A)—*First Year.*

Braine, Lawrence B. W., (suppl.); Cameron, Harold; Cochran, W. N.; Cook, Alex. D., (suppl.); Cooke, A. P. A., (suppl.); Cordiner, C. A., (suppl.); Cox, R. B.; Crosby, L. M.; DeOlloqui, Marie J.; Dymond, W. A., (suppl.); Faulkner, E. R.; O'Donnell, Florence M.; Palmer, G. H.; Reynolds, W. P., (suppl.); Roach, E. B.; Robbins, W. H.; Shaw, S. E.; Thomas, Lewis; Wardrope, M. J.; Woodland, G. H.

(B)—*Second Year.*

Braine, Winifred B.; Dymond, W. A.; Ernst, Victoria S.; Farrell, Edward, (suppl.); Forbes, Albert E.; Giovanetti, L. J.; Goodwin, W. V.; Pennington, J. W.; Pratt, Nelson; Randall, Mary L., (suppl.); Reynolds, W. P.; Salter, O. R.; Taylor, F. W.

*Final M. D., C. M. Examinations.*(A)—*Third Year.*

Almon, W. B.; Atkinson, E. P.; Farrell, Ed. D., (suppl.); Farrell, L. P.; Goodwin, W. V.; McDonald, E. M., (suppl.); Mackay, J. St. C.; McLean, M. T.; McMillan, C. E., (B. A.); Munroe, J. G.; Randall, Mary L.; Shaw, S. E.

(B)—*Fourth Year.*

Archibald, M. G.; Brehm, R. A.; Buckley, A. F.; Forrest, W. D., (B. Sc.); Gandier, G. G.; McDonald, D.; McKenzie, M. D.; Morton, A. McD.; Thompson, Alfred.

## DEGREE EXAMINATIONS.

## CLASS LISTS.

Containing the names arranged in order of merit of students who passed in the subjects of the various classes.

## JUNIOR ANATOMY.

Roach, E. B.; Crosby, L. M.; (Thomas, Lewis, Wardrope, M. J.); Faulkner, E. R.; Robbins, W. H.; DeOlloqui, Marie J.; Cochran, W. N.; (Cox, R. B., O'Donnell, Florence M.); Woodland, G. H.; Cameron, Harold; Cordiner, C. A.; (Cook, A. D., Palmer, G. H.).

## HISTOLOGY.

Roach, E. B.; Crosby, L. M.; (O'Donnell, Florence M., Faulkner, E. R.); Robbins, W. H.; (Cochran, W. N., Woodland, G. H.); Thomas, Lewis; Cox, R. B.; Wardrope, M. J.; DeOlloqui, Marie J.; Cameron, Harold; (Palmer, G. H., Zwicker, F. G., Cordiner, C. A.).

*Supplementary*—Braine, Lawrence B. W.; Dymond, W. A.

## JUNIOR CHEMISTRY.

Faulkner, E. R. ; Thomas, Lewis ; Robbins, W. H. ; Wardrope, M. J. ; Borden, L. E. ; Crosby, L. M. ; Cox, R. B. ; O'Donnell, Florence M. ; Woodland, G. H. ; Archibald, C. C. ; Fraser, F. L. ; Irwin, J. F. ; DeOlloqui, Marie J. ; (Cameron, Harold, Cochran, W. N.) ; Palmer, G. H. ; Dickson, C. H. ; Sivright, Wm.

*Supplementary*—Cook, A. P. A. ; Reynolds, W. P.

*Junior Practical Chemistry*—Roach, E. B. ; O'Brien, C. W.

## BOTANY.

Hebb, A. M. ; Robbins, W. H. ; Crosby, L. M. ; Thomas, Lewis ; Roach, E. B. ; Cordiner, C. A. ; (McKenzie, J. B. ; O'Donnell, Florence M.) ; O'Brien, C. W., DeOlloqui, Marie J., Cox, R. B., Zwicker, F. G. ; Faulkner, E. R. ; Densmore, L. D. ; Archibald, C. C. ; Wardrope, M. J. ; Dickson, C. H. ; Morse, C. D. ; Woodland, G. H. ; Cochran, W. N. ; (Cameron, Harold, Sivright, Wm.) ; Fraser, F. L. ; Palmer, G. H. ; McLean, W. E. ; Shaw, S. E. ; (Muir, J. R., Ferguson, J. A.) ; Irwin, J. F.

## SENIOR ANATOMY.

Braine, Winifred B. ; Salter, O. R. ; Pratt, Nelson ; Forbes, Albert E. ; Giovanetti, L. J. ; Taylor, F. W. ; Dymond, W. A. ; Reynolds, W. P. ; Goodwin, W. V. ; Braine, L. B. W.

*Special*.—Ernst, Victoria S. ; Pennington, J. W.

*Supplementary*.—Farrell, E. D.

## PHYSIOLOGY.

Ernst, Victoria S. ; (Dymond, W. A., Goodwin, W. V.) ; Pratt, Nelson ; (Braine, Winifred B., Forbes, A. E.) ; Pennington, J. W. ; Reynolds, W. P. ; Salter, O. R. ; Taylor, F. W.

*Supplementary*.—Randall, Mary L. ; Trenaman, L. G.

## SENIOR MEDICAL CHEMISTRY.

Hebb, A. M. ; Ernst, Victoria S. ; Pennington, J. W. ; Braine, Winifred B. ; Cordiner, C. A. ; (O'Brien, M. A., Pratt, Nelson) ; (O'Brien, C. W., Reynolds, W. P., Salter, O. R.) ; Forbes, Albert E. ; Braine, L. B. W. ; Taylor, F. W. ; Giovanetti, L. J. ; Dymond, W. A.

*Special*—Cook, A. D. ; Goodwin, W. V.

## SENIOR PRACTICAL CHEMISTRY.

Ernst, Victoria S. ; McKenzie, J. B. ; Hebb, A. M. ; Salter, O. R. ; Pratt, Nelson ; Braine, Winifred B. ; (Cordiner, C. A., Reynolds, W. P., Giovanetti, L. J.) ; Taylor, F. W. ; (Braine, L. B. W. ; Pennington, J. W.) ; Forbes, Albert E. ; Dymond, W. A.

*Special*.—Goodwin, W. V.

## MATERIA MEDICA AND THERAPEUTICS.

McMillan, C. E. ; Munroe, J. G. ; Mackay, J. St. C. ; Almon, W. B. ; Randall, Mary L. ; Farrell, L. P. ; Atkinson, E. P. ; McLean, M. T. ; Goodwin, W. V. ; Shaw, S. E.

*Supplementary*.—Farrell, Ed. D. ; McDonald, E. M.

## MEDICAL JURISPRUDENCE AND HYGIENE.

Atkinson, E. P. ; Randall, Mary L. ; Almon, Wm. B. ; Goodwin, W. V. ; (Mackay, J. St. Clair. McLean, M. T., McMillan, C. E., Munroe, J. G.) ; Shaw, S. E. ; (Farrell, E. D. ; Farrell, L. P.)

## PATHOLOGY AND BACTERIOLOGY.

Brehm, R. A. ; McMillan, C. E. ; Mackay, J. St. Clair ; Goodwin, W. V. ; Archibald, M. F. ; Thompson, Alfred ; Munroe, J. G. ; Randall, Mary L. ; Morton, A. McD. ; Farrell, L. P. ; Almon, Wm. B. ; Forrest, W. D. ; McLean, M. T. ; Atkinson, E. P. ; Gandier, G. G. ; McKenzie, M. D. ; Farrell, E. D. ; Buckley, A. F. ; Shaw, S. E. ; (Dickey, H. L., McDonald, D., McDonald, E. M.).

## OBSTETRICS AND DISEASES OF WOMEN AND CHILDREN.

(Archibald, M. G., Brehm, R. A.) ; Thompson, Alfred ; Gandier, G. G. ; McKenzie, M. D. ; Forrest, Wm. D. ; Buckley, A. F. ; Morton, A. McD. ; McDonald, D.

## SURGERY.

Brehm, R. A. ; (Archibald, M. G., Thompson, Alfred) ; Morton, A. McD. ; Forrest, Wm. D. ; Gandier, G. G. ; McKenzie, M. D. ; Buckley, A. F. ; (McDonald, D., McDonald, E. M.) ; Dickey, H. L.

## CLINICAL SURGERY.

Archibald, M. G. ; McDonald, E. M., Thompson, Alfred ; Forrest, Wm. D. ; Brehm, R. A. ; Morton, A. McD. ; Buckley, A. F. ; McKenzie, M. D. ; Gandier, G. G. ; McDonald, D. ; Dickey, H. L.

## PRACTICE OF MEDICINE.

Brehm, R. A. ; Forrest, Wm. D. ; Thompson, Alfred ; Archibald, M. G. ; Gandier, G. G. ; Morton, A. McD. ; McKenzie, M. D. ; McDonald, D. ; McDonald, E. M. ; Buckley, A. F. ; Dickey, H. L.

## CLINICAL MEDICINE.

Brehm, R. A. ; Thompson, Alfred ; Archibald, M. G. ; (Gandier, G. G., Morton, A. McD.) ; Forrest, Wm. D. ; McKenzie, M. D. ; McDonald, E. M. ; Buckley, A. F. ; (Dickey, H. L., McDonald, D.).

## GRADUATES.

## DOCTORS OF LAWS.

*(Honoris Causa.)*

Bailey, Prof. L. W., <i>M.A., Ph.D., F.R.S.C.</i> , Univ. of N. B. . . . .	1896
Gilpin, E., <i>A.M., F.G.S., F.R.S.C.</i> , Inspector of Mines, Halifax.	1892
Grant, Very Rev. G. M., <i>D.D., F.R.S.C.</i> , Principal of Queen's Univ., Kingston . . . . .	1892
Kingsford, William, <i>C.E., LL.D., F.R.S.C.</i> , Ottawa . . . . .	1896
Mackay, A. H., <i>B.A., B.Sc., F.R.S.C.</i> , Supt. of Education, Halifax.	1892
Patterson, Rev. George, <i>D.D., F.R.S.C.</i> , (obit) . . . . .	1896
Sedgewick, Hon. R., Judge Supreme Court of Canada, Ottawa .	1893
Thompson, Hon. Sir J. S. D., <i>K.C.M.G., P.C.</i> , (obit) . . . . .	1892

## MASTERS OF ARTS.

Allan, Rev. John M., Edinburgh . . . . .	1876
Annand, Rev. Joseph, <i>D.D.</i> , Santo, New Hebrides . . . . .	1872
Archibald, Rev. Alexander D., Salina . . . . .	1897
Archibald, H. T., Truro . . . . .	1898
Archibald, Sara E., (Mrs. John A MacIntosh), Malone, N. Y. . . . .	1894
Archibald, Rev. W. P., <i>B.D.</i> , Sunnybrae . . . . .	1878
Austen, M May, Halifax . . . . .	1898
Baxter, Agnes S., <i>Ph.D.</i> , (Mrs. A. R. Hill), Lincoln, Nebraska .	1892
Bayne, Prof. H. A., <i>Ph.D., F.R.S.C.</i> , (obit.) . . . . .	1872
Bent, Tillie Agatha, Farmington, N. S. . . . .	1896
Bigelow, Harry V., Truro . . . . .	1898
Burkitt, Robert J., Boston, Mass. . . . .	1890
Butler, George K., Yarmouth . . . . .	1897
Cameron, Ira W., New Glasgow . . . . .	1898
Cameron, Rev. J. J., Shakespeare, Ontario . . . . .	1871
Campbell, W. R., Truro Academy . . . . .	1895
Carr Rev. A. F., Campbellton, N. B . . . . .	1871
Chase, Rev. J. H., Onslow . . . . .	1869
Creelman, Rev. D. F., (obit.) . . . . .	1880
Crowell, Rev. Edwin, Canning, N. S. . . . .	1891
Currier, Rev. F. A., Chegoggin, Yarmouth Co. . . . .	1896
Dickie, Alfred, Upper Stewiacke . . . . .	1883
Fitzpatrick, H. H. K., <i>LL.B.</i> , New Glasgow . . . . .	1888
Forbes, Edgar W., Dartmouth . . . . .	1897
Forrest, James, (obit.) . . . . .	1872
Foster, Rev. Arthur H., <i>B.D.</i> , Riverside . . . . .	1897
Frame, Rev. David A., Wallace . . . . .	1897

Grant, D. K., Halifax .....	1891
Grant, George A., Trinidad .....	1895
Grant, M. F., Port Morien .....	1895
Grant, Rev. R. J., <i>B. D.</i> , River John .....	1895
Harrington, Emily B., Halifax .....	1894
Hebb, Bertha B., Kentville .....	1898
Hepburn, W. M., Pictou .....	1898
Herdman, Rev. J. C., <i>B. D.</i> , Calgary .....	1878
Herdman, W. C., Pictou .....	1881
Jamieson, Harriet J., Halifax .....	1895
Jordan, Edward E., Prince of Wales Coll., P. E. I. ....	1898
Jordan, Rev. L. H., <i>B. D.</i> , Toronto .....	1878
Langille, R. M., <i>LL.B.</i> , Westville .....	1888
Logan, J. D., <i>M.A.</i> , <i>Ph. D.</i> , Hampton, Mass .....	1894
Logan, Rev. R., Santa Paula, Cal. ....	1880
McArthur, Rev. S. J., Maitland .....	1894
Macdonald, Charles deW., Edmonton .....	1895
McDonald, J. H., (obit.) .....	1870
Macdonald, Rev. P. M., Wolfville .....	1895
MacGregor, Prof. J. G., <i>D.Sc.</i> , Halifax .....	1874
McIntosh, Rev. Charles D., Grand Bay, N. B. ....	1897
Macintosh, Rev. J., <i>B. D.</i> , Hopewell .....	1896
Mackay, Rev. A. W., Hastings, Colorado .....	1895
McKay, Ira, Pictou .....	1898
Mackay, Rev. J. D., <i>B. D.</i> , Halifax .....	1895
McKay, Mary A., Dartmouth .....	1897
McKay, Thomas C., Dartmouth .....	1898
McKenzie, Ellen M., Stellarton .....	1895
McKenzie, Hugh, Truro .....	1875
McKenzie, Prof. J. J., <i>Ph. D.</i> , (obit.) .....	1872
McLean, Rev. Lauchlin H., <i>B.A.</i> , (Queen's), Pt. Hastings, C. B. ....	1897
McLennan, Rev. J. W., <i>B. D.</i> , California .....	1887
McLeod, Rev. A. W., <i>Ph. D.</i> , (obit.) .....	1878
McLeod, Rev. J. W., (obit.) .....	1880
McNairn, Rev. William W., Sheet Harbor .....	1897
McNaughton, Rev. Samuel, Preston, England .....	1870
McPhee, Margaret J., Baddeck .....	1898
Milligan, Rev. G. S. ....	1896
Morton, Silvanus A., Halifax Academy .....	1894
Murray, Prof. W. C., <i>M.A.</i> , Dalhousie Coll., <i>ad eundem gradum</i> . ....	1893
Newcombe, E. L., <i>LL.B.</i> , Dep. Min. of Justice, Ottawa .....	1881
Nicholson, J. W. A., Oban .....	1898
Patterson, George G., New Glasgow .....	1887
Robins, E. P., Cornell Univ. ....	1896
Ross, Hedley D. V., Stanley Bridge, P. E. I. ....	1895
Ross, Jennie W., Kentville Academy .....	1896
Ross, Mary S., Honolulu .....	1896
Scott, Rev. Ephraim, Montreal .....	1875
Smith, Rev. D. H., Truro .....	1871

Smith, Rev. J. F., <i>B.D.</i> , (obit.) .....	1890
Smith, Rev. William H., <i>B.D.</i> , Ferrona .....	1897
Strathie, Rev. R. G., <i>B.D.</i> , Newport, N. S. ....	1896
Sutherland, G. A. ....	1898
Trefry, James H., Halifax .....	1898
Trueman, A. I., <i>D.C.L.</i> , St. John .....	1878
Trueman, Margaret F., Halifax Ladies' College .....	1898

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#### MASTER OF LETTERS.

Muir, Ethel, <i>Ph.D.</i> , Prof. of Philosophy, Mt. Holyoke.....	1893
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#### MASTER OF SCIENCE.

Archibald, Ebenezer Henry, Harmony, Col. Co.....	1898
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#### BACHELORS OF ARTS.

The signs and numbers prefixed in some cases to the names have the following signification :

- <sup>1</sup> Graduated with High Honours in Classics.
- <sup>2</sup> Graduated with Honours in Classics.
- <sup>3</sup> Graduated with High Honours in Latin and English.
- <sup>4</sup> Graduated with Honours in Latin and English.
- <sup>5</sup> Graduated with High Honours in Greek and English.
- <sup>6</sup> Graduated with Honours in Greek and English.
- <sup>7</sup> Graduated with High Honours in English and German.
- <sup>8</sup> Graduated with Honours in English and German.
- <sup>9</sup> Graduated with High Honours in English and English History.
- <sup>10</sup> Graduated with Honours in English and English History.
- <sup>11</sup> Graduated with High Honours in Philosophy.
- <sup>12</sup> Graduated with Honours in Philosophy.
- <sup>13</sup> Graduated with High Honours in Mathematics and Mathematical Physics.
- <sup>14</sup> Graduated with Honours in Mathematics and Mathematical Physics.
- <sup>15</sup> Graduated with High Honours in Pure and Applied Mathematics.
- <sup>16</sup> Graduated with Honours in Pure and Applied Mathematics.
- <sup>17</sup> Graduated with High Honours in Experimental Physics and Chemistry.
- <sup>18</sup> Graduated with Honours in Experimental Physics and Chemistry.
- <sup>19</sup> Graduated with High Honours in Chemistry and Chemical Physics.
- <sup>20</sup> Graduated with Honours in Chemistry and Chemical Physics.
- <sup>21</sup> Graduated with Great Distinction.
- <sup>22</sup> Graduated with Distinction.
- a* Governor-General's Gold Medal.
- b* Governor-General's Silver Medal.
- c* Sir William Young's Gold Medal.
- d* DeMille Gold Medal.
- e* Mackenzie Gold Medal.
- f* University Medal.
- g* Nominated for 1851 Exhibition Science Scholarship.
- h* Avery Prize.
- p* Sometime Munro Tutor in Mathematics.
- q* Sometime Munro Tutor in Classics.

NOTE.—Previous to 1893-94 the terms First Rank Honours and Second Rank Honours were used instead of High Honours and Honours respectively and the terms First Rank General Distinction and Second Rank General Distinction instead of Great Distinction and Distinction respectively.

b <sup>14</sup> Adams, H. S., Prof. of Mathem., St. Boniface, Winnipeg . . .	1884
Aitken, R. T. D., Newcastle, N. B. . . . .	1895
a <sup>1</sup> Aiton, W., St. John, N. B. . . . .	1885
Allan, Rev. John M., Edinburgh . . . . .	1873
Allison, Edmund P., Halifax . . . . .	1889
hAllison, Rev. Matthew G., Indiana . . . . .	1886
Annand, Edward E., California . . . . .	1893
Annand, Rev. Joseph, <i>D.D.</i> , Santo, New Hebrides . . . . .	1869
Archibald, Adams D., Halifax . . . . .	1895
Archibald, Rev. Alexander D., Salina . . . . .	1895
Archibald, Rev. F. W., <i>M.A.</i> , <i>B.D.</i> , <i>Ph.D.</i> , (obit.) . . . . .	1877
<sup>1</sup> Archibald, Herbert T., Truro . . . . .	1897
h <sup>21</sup> Archibald, Sara E., (Mrs. John A. MacIntosh), Malone, N. Y. . . . .	1892
Archibald, Rev. W. P., <i>B.D.</i> , Sunny Brae . . . . .	1872
h <sup>21</sup> Austen, Minna May, Halifax . . . . .	1897
Baker, Elma, Sheet Harbour . . . . .	1896
<sup>14</sup> Bakin, F. W. M., Digby . . . . .	1892
Barnstead, A. S., Halifax . . . . .	1893
c <sup>13</sup> Baxter, Agnes S., <i>Ph.D.</i> , (Mrs. A. R. Hill), Lincoln, Nebr. . . . .	1891
Bayne, Prof. H. A., <i>Ph.D.</i> , <i>F.R.S.C.</i> , (obit.) . . . . .	1869
Bayne, Rev. E. S., Mabou . . . . .	1871
a <sup>2</sup> Bell, F. H., Halifax . . . . .	1876
a <sup>2</sup> Bell, J. A., Texas . . . . .	1883
Bent, Tillie A., Farmington, N. S. . . . .	1895
h <sup>22</sup> Bigelow, H. V., Truro . . . . .	1894
<sup>12</sup> Blanchard, Aubrey B., Truro . . . . .	1893
Blanchard, C. W., South America . . . . .	1880
f <sup>1</sup> Brehaut, E., Harvard Univ. . . . .	1894
<sup>1</sup> Brehaut, J. W., Westerly, Rhode Island . . . . .	1891
Brodie, Wm. S., Halifax . . . . .	1898
<sup>12</sup> Brown, E. N., Lower Newcastle, N. B. . . . .	1889
Bruce, Rev. W. T., <i>M.D.</i> , Church Point, N. B. . . . .	1872
Bryden, Rev. C. W., Battleford, N. W. T. . . . .	1873
<sup>12</sup> Buchanan, James Jost, Sydney, C. B. . . . .	1887
Buchanan, Murdoch, St. Ann's, Victoria Co . . . . .	1898
Burchell, Charles J., Sydney, C. B. . . . .	1897
Burgess, Rev. J. C., Danville, Cal., U. S. . . . .	1867
<sup>14</sup> Burkitt, Robert J., Boston, Mass. . . . .	1889
Butler, George K., Yarmouth . . . . .	1896
Cahan, Charles H., Halifax . . . . .	1886
Cairns, Rev. J. A., <i>M.A.</i> , Scotsburn . . . . .	1878
Calder, Rev. John, <i>B.D.</i> , Mulgrave . . . . .	1886
hCalkin, W. S., Truro . . . . .	1887
<sup>10</sup> Cameron, C. S., Amherst . . . . .	1879
c <sup>13</sup> Cameron, Ira W., New Glasgow . . . . .	1897
bCameron, Rev. J. H., Russell, N. W. T. . . . .	1878
Cameron, Rev. J. J., Shakespeare, Ont . . . . .	1867
Cameron, William, Merigomish . . . . .	1873
Campbell, Rev. Alvin H., Waterford, N. B. . . . .	1898

	Campbell, Alexander J., Truro .....	1886
	Campbell, D. F., <i>M.A.</i> , Harvard Univ.....	1890
	Campbell, Duncan McD., Salmon River, Colchester Co.....	1898
<i>cp</i> <sup>14</sup>	Campbell, George M., <i>M.D.</i> , Halifax .....	1882
	Campbell, R. S., British Columbia .....	1892
	Campbell, William R., Truro Academy.....	1887
	Carmichael, J. M., New Glasgow .....	1872
	Carr, Rev. A. F., Campbellton, N. B. ....	1868
<i>h</i>	Carson, Rev. G. S., Pictou, N. S.....	1882
	Chambers, F. B., Truro .....	1879
	Chambers, R. E., New Glasgow .....	1877
	Chapman, Rev. A. E., Salisbury, N. B.....	1890
	Chase, Rev. J. H., Onslow.....	1866
	Christie, Rev. T. M., (obit.) .....	1868
<sup>3</sup>	Church, Nina E., Medford, Mass .....	1896
	Clarke, Rev. Daniel McD., Chipman, N. B.....	1888
	Clarke, Harold M., Trinidad.....	1897
	Cock, Daniel G., West River, Pictou.....	1897
<sup>10</sup>	Coffin, Rev. F. J., Instr. in Compar. Religion, Chic. Univ.....	1886
	Coffin, Rev. F. S., <i>M.A.</i> , Lower Stewiacke .....	1885
	Coffin, Robert L., Charlottetown, P. E. I.....	1897
<i>d</i> <sup>3</sup>	Coffin, V. E., <i>Ph.D.</i> , Asst. Prof. of Hist, Univ. of Wisconsin.....	1887
	Cogswell, G. A.....	1890
	Colquhoun, John G., Little Harbour .....	1898
<sup>2</sup>	Coops, Frank H., <i>M.D.</i> , <i>C.M.</i> .....	1887
	Corston, James R., Halifax .....	1898
	Costley, Alfred, Halifax.....	1881
	Cox, George H., Shelburne.....	1891
	Crawford, Rev. J. A., Metapedia, P. Q.....	1894
	Creelman, Rev. D. F., (obit.).....	1873
<i>a</i> <sup>14</sup>	Creelman, H. G., <i>B.Sc</i> , Purdue Univ, Indiana .....	1881
	Creighton, J. G. A., Ottawa .....	1868
	Creighton, H. S., Dartmouth .....	1880
<i>b</i> <sup>11</sup>	Creighton, J. E., <i>Ph.D.</i> , Prof of Metaph., Cornell Univ.....	1887
<sup>21</sup>	Crowe, Henry S., Central Onslow .....	1898
<i>a</i> <sup>10</sup>	Crowell, Rev. Edwin, Canning, N. S .....	1880
	Cruikshank, Rev. W., <i>B.D.</i> , Montreal .....	1872
<sup>11</sup>	Cumming, Bessie A., Halifax.....	1896
	Cumming, Melville, Truro .....	1897
	Cummings, Alfred G., Lower Onslow .....	1896
	Cummings, Edward, Halifax.....	1897
	Currie, William D., Halifax .....	1896
	Currier, Rev. F. A., Chegoggin .....	1895
	Dakin, William, Truro .....	1897
	Davidson, J. F., Pinos Altos, Grant Co., New Mexico .....	1882
	Davidson, Lilla A., Halifax .....	1896
	Davison, James McG., Halifax .....	1889
	Denoon, Alex. H., Westville, Pictou Co.....	1897
	DeWolfe, Margaret W., Halifax .....	1898



Dickie, Alfred, Upper Stewiacke.....	1879
<sup>22</sup> Dickie, Gordon, Milford .....	1896
Dickie, Rev. Henry, Windsor .....	1883
Dill, Rev. E. M., <i>B. D.</i> , Summerside, P. E. I.....	1884
Douglas, Ernest A., Maitland .....	1893
Douglas, Rev. John R., Annapolis .....	1896
Doull, W. S., Montreal .....	1874
<sup>f</sup> <sup>1</sup> Duchemin, H. P., Pictou Academy .....	1895
Duff, Kenneth, Lunenburg .....	1873
<sup>h</sup> Emmerson, R. R. J., (obit.) ..	1879
Faulkner, Ebenezer R., Folly Village.....	1897
Finlayson, Duncan, <i>M. P. P.</i> , Grand River, C B....	1893
Fisher, Arthur F., Lower Stewiacke .....	1897
Fisher, Rev. J. M., Malpeque, P. E. I.....	1890
<sup>12</sup> Fitzpatrick, H. H. K., <i>LL. B.</i> , New Glasgow .	1885
Fitzpatrick, Rev. James .....	1875
Forbes, Antoinette .....	1887
Forbes, E. W., Dartmouth, N. S....	1893
Forbes, Wm., Little Harbour, Pictou Co. ....	1897
Forrest, James, (obit.).....	1868
Foster, Rev. A. H., <i>B. D.</i> , Albert, N. B.....	1895
Frame, Rev. D. A., Wallace .....	1895
<sup>11</sup> Fraser, Alex., New Glasgow .....	1889
Fraser, Rev. A. L., <i>B. D.</i> , Port Elgin, N. B. ....	1895
Fraser, Rev. Donald, Kingston, Kent Co., N. B. ....	1887
<sup>22</sup> Fraser, D. A., New Glasgow.....	1895
Fraser, Hon. D. C., <i>M. P.</i> , New Glasgow.....	1872
Fraser, Rev. D. S., Springside, Col. Co.....	1874
Fraser, H. M., (obit.) .....	1894
Fraser, Rev. John K. G., Alberton, P. E. I.....	1889
<sup>b</sup> Fraser, Rev. W. M., Halifax.....	1883
Fraser, W. R., <i>Ph. D.</i> , New York... ..	1882
Frazer, Victor G., Providence, R. I.....	1889
Fulton, Eben, (obit.) .....	1890
<sup>d</sup> <sup>9</sup> Fulton, E., <i>M. A.</i> , <i>Ph. D.</i> , Prof. of English, Wells College ..	1889
Fulton, G. H., <i>M. D. C. M.</i> , Truro.....	1876
Fulton, W. H., Halifax .....	1888
<sup>d</sup> <sup>9</sup> Gammell, Isaac, Montreal .....	1885
<sup>a</sup> George, Rev. J. L., <i>M. A.</i> , Montreal .....	1878
Goodwin, Emily M., St. John, N. B. ....	1891
Graham, R. H., New Glasgow, N. S. ....	1892
<sup>2</sup> Grant, Clarence F., Port Morien .....	1898
Grant, D. K., Halifax .....	1888
Grant, George A., Trinidad .....	1896
Grant, M. D., High School, New Glasgow.....	1894
Grant, M. F., Port Morien.....	1894
Grant, Mary S., Port Morien, C. B.....	1897
Grant, Rev. R. J., <i>B. D.</i> , River John.....	1894

Grant, W. R., (obit.)	1877
Gratz, Rev. H. G., Andover, N. B.	1892
Grey, W. S., Hopewell, N. S.	1894
Grierson, John A., Weymouth Bridge	1891
Grierson, Rev. Robert, Korea	1890
Gunn, Rev. Adam, Cardigan, P. E. I.	1872
Hamilton, H. H., Pictou	1877
<sup>9</sup> Harrington, Emily B., Halifax	1892
Harvey, Rev. McLeod, Mosher River, Halifax Co.	1889
Hattie, Robert M., Halifax	1897
Hebb, Bertha B., Academy, Kentville	1894
<sup>h</sup> Henry, Joseph K., British Columbia	1889
<sup>21</sup> Hepburn, W. M., Pictou	1895
Herdman, A. W., Pictou	1877
<sup>2</sup> Herdman, Rev. J. C., <i>B. D.</i> , Calgary	1874
Herdman, W. C., Pictou	1874
Hetherington Eva F., Halifax	1897
Hill, Allan M., Halifax	1896
<sup>b11</sup> Hill, A. R., <i>Ph. D.</i> , Prof. of Philosophy, Univ. of Nebraska	1892
<sup>8</sup> Hobrecker, Clara C., (Mrs. Alex. Laird), Port Hope, Ont.	1894
<sup>21</sup> Hockin, John G., Halifax	1898
Howatt, Cornelius A., Alberton, P. E. I.	1893
<sup>b11</sup> Hugh, David D., <i>M. A.</i>	1891
Hunter, John, California	1873
Irving, Rev. Thomas, Isaac's Harbor, N. S.	1896
Jamieson, Harriet J., Halifax	1894
Johnson, Rev. E. W., Clyde and Barrington	1894
<sup>11</sup> Johnson, Rev. George F., <i>B. A.</i> , <i>B. D.</i> , Digby	1892
Johnson, Rev. G. M., (obit.)	1888
Johnson, J. B., New Glasgow	1892
Jones, Frank, Digby	1884
<sup>12</sup> Jordan, Elijah J., Chicago Theological Seminary	1891
<sup>c13</sup> Jordan, E. E., Prince of Wales Coll., P. E. I.	1895
<sup>a</sup> Jordan, Rev. L. H., <i>B. D.</i> , Toronto	1875
Keefer, Ralph T., Bridgewater	1892
Kennedy, Elizabeth E., Halifax	1898
Kennedy, James S., Port Philip, N. S.	1891
Kinsman, F. S., <i>M. D.</i> , Centreville	1880
Knowles, J. H., <i>M. D.</i> , New Bedford, Mass.	1882
Laird, Rev. Alex., Port Hope, Ont.	1890
<sup>a1</sup> Laird, A. G., <i>Ph. D.</i> , Prof. of Greek, Univ. of Wisconsin	1889
Laird, G. A., Manitoba	1877
Landells, R., Cedar Hill, B. C.	1882
<sup>b12</sup> Langille, R. M., <i>LL. B.</i> , Westville	1885
<sup>14</sup> Lawson, Thomas, Chester	1895
Layton, J. S., Maitland	1895
Lewis, Rev. Abner W., <i>B. D.</i> , Charlotte Co., N. B.	1886
Lewis, Bessie B., Truro	1898
<sup>22</sup> Lewis, E. W., Principal High School, Campbellton, N. B.	1890

Lindsay, A. W. H., <i>M. B., C. M.</i> , Halifax.....	1870
Lippincott, Aubrey, <i>M. D.</i> , Pittsburg, Pa.....	1867
Locke, R. T., Lockeport.....	1885
Logan, Bessie M., Truro.....	1898
<sup>11</sup> Logan, J. D., <i>M. A., Ph. D.</i> , Hampton, Mass.....	1893
<sup>f</sup> <sup>1</sup> Logan, J. W., Academy, Halifax.....	1894
Logan, Melville, Halifax.....	1873
Logan, Rev. Richmond, Santa Paula, Cal.....	1877
McArthur, Rev. S. J., Maitland.....	1893
McCurdy, Rev. J. F., Richmond, N. B.....	1891
McCurdy, S. T., New Glasgow.....	1877
McDonald, A. F., Halifax.....	1892
McDonald, Rev. A. J., Loch Katrine, Antigonish Co.....	1892
<sup>14</sup> Macdonald, Blanche, Halifax.....	1895
Macdonald, C. deW., Edmonton.....	1873
Macdonald, Daniel J., Point Prim, P. E. I.....	1898
McDonald, Rev. Donald, <i>B. D.</i> , Strathlorne, C. B.....	1884
McDonald Ida Grace, River John.....	1893
<sup>b</sup> <sup>14</sup> McDonald, J. A., Halifax.....	1883
McDonald, J. H., (obit.).....	1867
Macdonald, Rev. P. M., Wolfville.....	1894
McDonald, Robert J., Hopewell, N. S.....	1889
McDonald, William, Truro.....	1888
Macdonald, W. M., Halifax.....	1881
McDowell, Isaac, (obit.).....	1876
McGlashen, Rev. J. A., <i>B. D.</i> , Bridgeport, C. B.....	1891
McGregor, Rev. Daniel, Amherst.....	1874
MacGregor, Prof. J. G., <i>D. Sc., F. R. S.S. E. &amp; C.</i> , Halifax.....	1871
<sup>h</sup> <sup>21</sup> MacGregor, Robert M., New Glasgow.....	1896
<sup>14</sup> McGregor, T. S., Little Bras d'Or.....	1883
McIntosh, Rev. C. D., Grand Bay, N. B.....	1895
McIntosh, D. C., Springville, N. S.....	1890
<sup>22</sup> McIntosh, D. S., New Glasgow.....	1892
Mackintosh, Finlay H., Sunny Brae.....	1898
<sup>11</sup> Macintosh, Rev. J., <i>B. D.</i> Hopewell.....	1894
<sup>22</sup> McIntosh, Rev. J. A., Malone, N. Y.....	1892
<sup>14</sup> MacKay, A. H., <i>B. Sc., F. R. S. C.</i> , Supt. of Education, Hfx.....	1873
Mackay, Alex. L., Balmoral Mills.....	1897
<sup>11</sup> Mackay, Rev. A. W., Hastings, Colorado.....	1894
McKay, Catherine W., Dartmouth.....	1898
McKay, D. McG, <i>M. D.</i> , Stewiacke.....	1893
<sup>18</sup> McKay, Rev. D. O., Chebogue.....	1890
<sup>e</sup> <sup>17</sup> Mackay, Prof. Ebenezer, <i>Ph. D.</i> , Dalhousie College.....	1886
<sup>14</sup> Mackay, H. M., <i>B. A. Sc.</i> , Academy, Pictou.....	1888
<sup>11</sup> McKay, Ira, Pictou.....	1897
Mackay, Rev. J. D., <i>B. D.</i> , Halifax.....	1894
Mackay, Rev. Kenneth, Houlton, Me.....	1868
McKay, Mary A., Dartmouth.....	1896
McKay, M. S., Cariboo River, N. S.....	1892

b <sup>17</sup> MacKay, Neil F., Regina, N. W. T. ....	1886
<sup>22</sup> McKay, Thomas C., Dartmouth .....	1893
McKay, Rev. William R., Bridgetown .....	1896
McKeen, Rev. J. A., Orono, Ontario .....	1873
c <sup>p13</sup> McKenzie, A. S., <i>Ph. D.</i> , Prof. of Physics, Bryn Mawr, Pa. ....	1885
McKenzie, Ellen M. ....	1894
McKenzie, Hugh, Truro .....	1872
McKenzie, Rev. James, Acadia Mines. ....	1878
McKenzie, John B., Campbellton, N. B. ....	1893
McKenzie, Prof. J. J., <i>Ph. D.</i> , (obit.) .....	1869
McKenzie, Rev. J. W., East St. Peter's, P. E. I. ....	1892
McKenzie, Rev. W. J., (obit.) .....	1888
McKinnon, John A., Halifax .....	1890
bMcKittrick, Burgess, Lunenburg .....	1877
McLean, C. A., Englishtown, C. B. ....	1893
<sup>2</sup> McLean, I. M., <i>M. D.</i> , British Columbia .....	1879
McLean, Rev. J. A., Harvey, N. B. ....	1876
McLean, Rev. J. B., <i>B. D.</i> , Upper Stewiacke .....	1891
Maclean, Lauchlin A., Marshy Hope, Pictou Co. ....	1897
<sup>13</sup> McLean, Stewart C., New Glasgow .....	1897
hMcLennan, Rev. J. W., <i>B. D.</i> , California .....	1883
McLennan, S. J., Sydney, C. B. ....	1888
McLeod, Rev. A. W., <i>Ph. D.</i> , (obit.) .....	1875
<sup>12</sup> McLeod, Ambrose W., <i>M. A.</i> , (obit.) .....	1888
McLeod, Rev. Donald .....	1874
a <sup>5</sup> McLeod, F. J., <i>M. A.</i> , Prof. of English, Univ. of Nebraska ..	1890
d <sup>9</sup> McLeod, George, Murray River, P. E. I. ....	1888
McLeod, J. M., <i>M. A.</i> , Valleyfield, P. E. I. ....	1885
aq <sup>1</sup> McLeod, J. P., Vancouver, B. C. ....	1884
McLeod, Rev. J. W., (obit.) .....	1876
c <sup>13</sup> McLeod, Malcolm J., Belfast, P. E. I. ....	1887
McMillan, C. E., Halifax Medical College. ....	1891
McMillan, F. A., Alberny Plains, P. E. I. ....	1891
bMcMillan, Rev. G. W., Kentville .....	1875
McNairn, Rev. W. W., Sheet Harbour .....	1895
McNaughton, Elizabeth Sheffield, St. John, N. B. ....	1891
McNaughton, Rev. Samuel, Preston, G. B. ....	1867
<sup>9</sup> McNeill, Charlotte M., (Mrs. H. McInnes), Halifax. ....	1887
c <sup>13</sup> Macneill, Murray, Fellow, Cornell Univ. ....	1896
McNeil, Roderick, St. Catherines, P. E. I. ....	1892
McOdrum, Donald, Mira, C. B. ....	1897
McPhee, Margaret J., Baddeck .....	1894
<sup>12</sup> Macrae, A. O., Edinburgh Univ. ....	1893
Macrae, A. W., <i>M. A.</i> , St. John, N. B. ....	1886
f <sup>11</sup> MacRae, Donald A., Canoe Cove, P. E. I. ....	1898
McRae, Duncan M., Korea .....	1896
Magee, W. H., <i>Ph. D.</i> , Academy, Parrsboro .....	1891
Mahon, Harry E., Halifax .....	1896
Martin Albert J. D., Valleyfield, P. E. I. ....	1893

<sup>14</sup> Martin, K. J., Charlottetown, P. E. I. ....	1885
Mason, Rev. W. A., Kempt .....	1877
Matheson, Rev. J. A., B. D., Priceville, Ont.....	1888
Maxwell, George H., Halifax .....	1897
Maxwell, Ruth E., Halifax .....	1897
Mellish, Humphrey, Halifax .....	1882
Millar, Rev. E. D., Yarmouth, N. S. ....	1869
Millar, Rev. George, Brookfield, P. E. I.....	1890
Millar, James R., Annapolis .....	1897
Milligan, Rev. G. S. ....	1894
<sup>22</sup> Moore, C. L., Pictou Academy .....	1891
Morash, Rev. A. V., Elmsdale .....	1891
Morris, C. H., Windsor .....	1895
<i>cp</i> <sup>13</sup> Morrison, A. M., Visalia, California .....	1888
Mor'ou, James R., Ottawa, Finance Dept .....	1898
Morton, Joseph S., M. D., Shelburne .....	1876
Morton, R. F., Bridgewater .....	1895
<i>c</i> <sup>18</sup> Morton, Silvanus A., Halifax Academy .....	1886
Munro, Rev. Christopher, Oxford, N. S. ....	1891
Munro, G. W., 17-27 Vandewater Street, New York .....	1878
Munro, Rev. J. R., Antigonish.....	1876
Murdoch, William C. ....	1896
<i>cp</i> <sup>14</sup> Murray, D. A., Ph. D., Instr. in Mathematics, Cornell Univ.....	1884
Murray, John C., Queen's University.....	1896
Murray, J. S., (obit.) .....	1877
<sup>9</sup> Murray, John T., Truro.....	1897
<sup>11</sup> Murray, Lucy C., (Mrs. W. P. Ker), Soochow, China.....	1893
Murray, Norman G., Halifax .....	1898
Murray, R. H., LL. M., Halifax.....	1894
Murray, Wilbur, Amherst .....	1896
Newcombe, E. L., LL. B., Dep. Min. of Justice, Ottawa....	1878
<sup>10</sup> Newcombe, M. F., (Mrs. J. S. Trueman), Ladies' Coll., Halifax.....	1885
<sup>14</sup> Nicholson, Alfred, M. A., Newark, N. J. ....	1886
Nicholson, John W. A., Oban, Richmond Co .....	1897
Noble, John D., Miramichi .....	1898
Oakes, Ingram, New Albany.....	1896
O'Brien, Milton A., Noel .....	1898
<sup>20</sup> Oliver, A. C. L., (obit.) .....	1891
<sup>12</sup> Oxley, J. M., LL. B., Montreal .....	1874
Paton, Vincent J., Bridgewater, N. S. ....	1889
Patterson, George G., New Glasgow .....	1882
Pitblado, Colin, M. D., C. M., (obit.) .....	1877
Pol'ey, Rev. J. F., Little River, Halifax Co.....	1895
Pollok, A. W., (obit.) ...	1872
Putnam, Harold, Truro, N. S. ....	1893
Putnam, Rev. Homer, (obit.) .....	1839
Putnam, J. F., Maitland .....	1894
Putnam, William G., M. B., C. M., Yarmouth .....	1887
Rankine, Jas. M., Halifax .....	1898

	Rattee, Rev. E. J., Noel .....	1890
	Read, Hibbert R., Athol .....	1898
	Reid, David M., Middle Musquodoboit .....	1897
	Robb, Rev. Alexander F., Boiestown, N. B. ....	1896
	Robertson, S. N., North Bedeque, P. E. I. ....	1892
	<i>h</i> Robertson, T. R., Kentville .....	1888
	<i>f</i> <sup>11</sup> Robins, E. P., Fellow, Cornell Univ. ....	1895
	<i>a</i> <sup>1</sup> Robinson, Alexander, Vancouver, B. C. ....	1886
	<i>h</i> <sup>21</sup> Robinson, C. B., Academy, Pictou .....	1891
	Robinson, D. M., British Columbia .....	1893
	<sup>14</sup> Robinson, G. E., Vancouver, B. C. ....	1885
	Robinson, Rev. J. M., Moncton .....	1873
	<sup>22</sup> Rodgers, J. A. C., Pisquid, P. E. I. ....	1896
	Rogers, Rev. Anderson, New Glasgow .....	1878
	Ross, Alexander, Dalhousie, N. B. ....	1867
	Ross, Arthur, Ferrona .....	1897
	<i>h</i> <sup>22</sup> Ross, Rev. George E., <i>B. D.</i> , N. W. Arm, Halifax .....	1893
	<sup>5</sup> Ross, Hedley, D. V., New York State .....	1893
	<i>h</i> <sup>21</sup> Ross, Jennie W., Kentville Academy .....	1895
	<sup>18</sup> Ross, Mary S., Honolulu .....	1894
	Ross, Rev. William, Prince William, N. B. ....	1873
	Ross, Wm. A., Lorne .....	1898
	Ross, William D., Charlottetown, P. E. I. ....	1896
	<sup>14</sup> Rowlings, G. A. R., Halifax .....	1890
	Russell, Rev. A. G., Oyster Bay, L. I., N. Y. ....	1871
	<sup>21</sup> Schurman, G. W., New York .....	1890
	Scott, Rev. Ephraim, Montreal .....	1872
	Scott, Rev. Prof. H. McD., <i>D. D.</i> , Chicago .....	1870
	Scott, J. McD., (obit.) .....	1877
	<i>h</i> Sedgewick, J. A., Halifax .....	1881
	Sedgewick, Hon. Robert, Judge Supreme Court of Canada ..	1867
	<i>h</i> <sup>21</sup> Sedgewick, W. Harry, Middle Musquodoboit .....	1898
	Sedgewick, William M., Tatamagouche .....	1896
	<sup>10</sup> Shaw, Henry C., Vancouver, B. C. ....	1887
	<i>aq</i> <sup>1</sup> Shaw, James C., <i>M. A.</i> , Vancouver High School, B. C. ....	1887
	Shaw, Percy J., Waterville .....	1897
	Shaw, Robert, (obit.) .....	1866
	Shinner, Harry R., Halifax .....	1897
	<sup>9</sup> Simpson, F. S., <i>B. A.</i> , High School, New Glasgow .....	1894
	Simpson, Rev. Isaac S., Lucerne, Ind., U. S. A. ....	1868
	Smith, Alex., Princeton .....	1895
	Smith, Rev. D. H., Truro .....	1867
	Smith, Rev. Edwin, Middle Musquodoboit .....	1867
	Smith, E. B., Truro .....	1890
	<sup>10</sup> Smith, Rev. James F., <i>B. D.</i> , (obit.) .....	1886
	Smith, Rev. W. H., <i>B. D.</i> , Ferrona .....	1894
	Smithers, Rev. Allan, Waterford, N. B. ....	1889
	<sup>10</sup> Soloan, D. M., Principal New Glasgow High School .....	1888
	Spencer, Rev. W. H., Montague, P. E. I. ....	1881

Stairs, H. B., Halifax .....	1891
Steeves, Blanchard, P. Elgin, N. B. ....	1898
<i>h</i> Stewart, Alexander F., Pictou .....	1887
<sup>13</sup> Stewart, Dugald, <i>M. D.</i> , Bridgewater .....	1886
Stewart, F. I., Academy, Sydney .....	1889
<i>b</i> <sup>14</sup> Stewart, James McG., (obit) .....	1876
Stewart, Rev. Thomas, <i>B. D.</i> , Dartmouth .....	1882
Stirling, Rev. Alexander D., Dublin Shore .....	1896
<i>f</i> <sup>11</sup> Stirling, John, Scotsburn .....	1895
Stramberg, H. M., New Westminster, B. C. ....	1875
Strathie, Rev. R. G., <i>B. D.</i> , Newport .....	1895
Sutherland, George A., Dartmouth .....	1896
Sutherland, Rev. J. M., Virden, Man. . . . .	1869
<i>b</i> <sup>9</sup> Sutherland, Rev. J. S., Sussex, N. B. ....	1888
Tattrie, Rev. G. P., N. W. T. ....	1894
Taylor, W. B., (obit.) .....	1884
<sup>10</sup> Thompson, Rev. A. W., <i>M. A.</i> , Couva, Trinidad, W. I. ....	1885
Thompson, Rev. F. W., Upper Musquodoboit . . . . .	1891
Thompson, Margaret, Antigonish .....	1897
Thompson, Willard S., North Sydney .. . . .	1893
<i>h</i> Thomson, A. E., Surbiton, England .....	1880
Thorburn, W. M., I. C. S., Madras Pres., India .....	1870
Torey, E. J., Windsor .....	1882
Trefry, J. H., Halifax .....	1895
Trueman, A. I., <i>D. C. L.</i> , St. John .....	1872
<i>aq</i> <sup>2</sup> Trueman, Prof. J. S., (obit.) . . . . .	1882
<i>h</i> Tufts, Rev. W. M., <i>M. A.</i> , Stellarton .....	1885
<i>a</i> <sup>9</sup> Tupper, J. W., <i>Ph. D.</i> , Prof. of English, Western Univ., Ont. 1891	
<i>h</i> Turner, D. F. D., London, G. B. ....	1884
<i>a</i> <sup>14</sup> Waddell, Prof. John, <i>Ph. D.</i> , <i>D. Sc.</i> , Kingston, Ont. . . . .	1877
Waddell, Wm. H., jr., Halifax .....	1897
Wallace, Rev. John, Ione City, Amador, Cal., U. S. ....	1870
<sup>15</sup> Watt, Arthur W., Pictou .....	1898
<sup>9</sup> Webster, K. G. T., <i>M. A.</i> , Milton High School, Mass. ....	1892
West, T. F., Prince of Wales College, Charlottetown .....	1891
<sup>14</sup> Weston, Clara P., White River Junction, Vt. ....	1892
<sup>14</sup> Weston, R. A., Northern Pacific Ry. Co., St. Paul. . . . .	1892
Whitman, Alfred, Halifax .....	1878
Wilkie, Florence A., Halifax .....	1897
Wood, George, Halifax .....	1898
<sup>10</sup> Yorston, F., <i>B. A.</i> , Pictou .....	1894

BACHELORS OF LETTERS.

(For the signification of signs and numbers prefixed to the names, see p. 142.)

Crockett, Albert E., Hopewell, Pictou Co. ....	1897
Fraser, J. G., Toronto .....	1892
Gunn, A. D., St. Peters, C. B. ....	1895
Hill, Amy, Halifax .....	1896

Johnston, J. R., Halifax.....	1896
McDonald, Rev. A. D., Montrose, P. E. I.....	1894
McKay, W. P., Truro.....	1895
Mackinnon, W. T. Morris, Amherst.....	1898
Marshall, Lillian E., Halifax.....	1896
Montgomery, John, St. John.....	1891
Muir, Ethel, <i>Ph. D.</i> , Prof. of Philosophy, Mt. Holyoke.....	1891
<sup>11</sup> Ritchie, Eliza, <i>Ph. D.</i> , Assoc. Prof. of Philos., Wellesley Col.....	1887

### BACHELORS OF SCIENCE.

(For the signification of signs and numbers prefixed to the names, see p. 142.)

<i>g</i> Archibald, Ebenezer H., Harmony, Colchester Co.....	1887
Arthur, Rev. George, Lakesend, N. W. T.....	1893
Blair, Alex. D., Loch Broom, Pictou Co.....	1897
Cameron, A. G., Newton, Guysborough Co.....	1882
Campbell, G. G. <i>M. D.</i> , Truro.....	1885
Cook, Alex. D., Halifax.....	1898
Forrest, W. D., Halifax.....	1895
<i>b</i> Fraser, Rev. W. M., <i>B. A.</i> , (Dal.), Halifax.....	1880
<sup>22</sup> Lange, C. C. A., New York.....	1895
McCull, A., New Glasgow.....	1883
<i>g</i> <sup>20</sup> McIntosh, D., Cornell Univ.....	1896
McIntosh, D. S., <i>B. A.</i> , (Dal.), McGill Univ.....	1896
McKeen, G. W., Harvard Univ.....	1892
<i>g</i> <sup>14</sup> McKittrick, F. J. A.....	1894
Miller, J. J., Halifax.....	1885
<sup>16</sup> Morrison, Hugh T., Dartmouth.....	1898
O'Brien, R. F., Noel, Hants Co.....	1893
<i>c</i> <sup>13</sup> Reid, A. G., <i>M. B. C. M.</i> (Edin.), England.....	1883
Smith, Rev. H. McN.....	1884
<sup>14</sup> Stewart, Anne A., Philadelphia.....	1886
Tait, J. Sinclair, <i>B. S.</i> (Mt. All.), <i>M. D.</i> , Medical Supt. Nfld. Hospital for Insane, St. John's, Nfld.....	<i>ad eundem.</i> 1897

### BACHELORS OF LAWS.

Aitken, Traven D., <i>B. A.</i> , (Dal.), Newcastle, N. B.....	1897
Allison, Edmund P., <i>B. A.</i> , (Dal.), Halifax.....	1891
Anderson, A. H., <i>B. A.</i> , (Mt. All.), Lunenburg.....	1893
Armstrong, B. H., Halifax.....	1890
Armstrong, E. H., Yarmouth.....	1888
Barnstead, A. S., <i>B. A.</i> , (Dal.), Halifax.....	1895
Bennett, A. W., Sackville, N. B.....	1885
Bennett, R. B., Chatham, N. B.....	1893
Bigelow, H. V., <i>B. A.</i> , (Dal.), Truro.....	1896



Bill, E. M., <i>B. A.</i> , (Acad.), Shelburne.....	1892
Blackadar, H. S., <i>B. A.</i> , (Acad.), Halifax.....	1892
Boak, H. W. C., Halifax .....	1885
Borden, H. C., Halifax .....	1894
Bowser, William J., Vancouver, B. C.....	1890
Boyd, John A., <i>B. A.</i> , (St. Fr. Xav.), Antigonish .....	1898
Brown, H. W., <i>B. A.</i> , (Acad.), Priv. Sec'y Min. Militia, Ottawa.....	1893
Burns, C. B., <i>B. A.</i> , (Queens), Priv. Sec'y Min. Finance, Ottawa.....	1894
Cahan, Charles H., <i>B. A.</i> , (Dal.), Halifax.....	1890
Calder, Fred., Port Hood .....	1892
Cameron, D. A., Sydney.....	1893
Campbell, Alex., Sydney.....	1889
Campbell, Alex. J., <i>B. A.</i> , (Dal.), Truro.....	1889
Campbell, J. R., <i>B. C. L.</i> , (Kings), St. John.....	1888
Carter, Titus James, Andover, N. B. ....	1887
Carter, William D., Richibucto, N. B. ....	1886
Casey, C. E., <i>B. A.</i> , (Mt. All.), Amherst .....	1892
Chisholm, Joseph A., Halifax .....	1886
Cluney, Andrew, Halifax .....	1887
Congdon, F. H., Halifax.....	1891
Congdon, F. T., <i>B. A.</i> , <i>LL. B.</i> (Tor.), Halifax, <i>ad eundem gradum</i> .....	1889
Copp, A. B., Jolicure .....	1894
Corbett, J. E., Truro .....	1892
Crowe, R. W., <i>B. A.</i> , (Mt. All.), Halifax .....	1894
Crowe, Walter, Sydney .....	1886
Cummings, Alfred, G., <i>B. A.</i> (Dal.), Onslow.....	1898
Cummings, Selden W., <i>B. A.</i> , (Acad.), Truro .....	1889
Davidson, J. McG., <i>B. A.</i> , (Dal.), Halifax.....	1891
Dockrill, G. O. M., New Westminster, B. C.....	1893
Doull, W. S., <i>B. A.</i> , (Dal.), Halifax .....	1885
Doyle, Matthew N., Halifax.....	1892
Fairweather, F. L., Sussex, N. B. ....	1890
Fairweather, S. L., St. John.....	1891
Ferguson, Wm. M., Earltown .....	1897
Finlayson, Duncan, <i>B. A.</i> , (Dal.), <i>M. P. P.</i> , Grand River, C. B. ....	1895
Finn, Robert E., Dartmouth .....	1898
Forsythe, G. O., <i>B. A.</i> , (Acad.), Port Hawkesbury.....	1889
Frame J. F., Halifax .....	1890
Fraser, A. H. R., Librarian Cornell Law Library ..	1892
Fraser, Thomas M., New Glasgow .....	1898
Fullerton, C. P., Halifax .....	1895
Fulton, E. M., Truro .....	1892
Fulton, J. A., Lower Stewiacke .....	1893
Fulton, W. H., <i>B. A.</i> (Dal.), Halifax .....	1892
Girroir, E. L., <i>B. A.</i> (St. Fran. Xav.), Big Tracadie .....	1895
Graham, R. B., Brookfield.....	1893
Graham, R. H., <i>B. A.</i> (Dal.), New Glasgow .....	1894
Grant, D. K., <i>M. A.</i> (Dal.), Halifax.....	1895
Gregory, C. E., Antigonish .....	1888

Grierson, J. A., <i>B. A.</i> (Dal.), Weymouth Bridge .....	1893
Gunn, Alexander D., <i>B. L.</i> (Dal.), St. Mary's .....	1897
Hamilton, C. F., <i>B. A.</i> (Univ. Coll., Ottawa,) (obit.).....	1890
Hanright, Fred. W., <i>B. A.</i> (Kings), Halifax.....	1887
Henry, W. A., Halifax .....	1886
Hewson, E. H., <i>B. A.</i> (Mt. All.), Oxford, N. S.....	1894
Hill, W. A. G., Sydney .....	1894
Hood, John, Shelburne .....	1896
Howay, F. W., New Westminster, B. C.....	1890
Huggins, W. H., Halifax .....	1890
Irving, R. A., Buctouche, N. B.....	1894
Ives, W. B., Pictou .....	1885
Jenks, Stewart Dixon, <i>LL. B.</i> (Cornell), Parrsboro.....	1896
Jennison, Hedley V., New Glasgow.....	1886
Johnstone, L. M., Halifax .....	1892
Johnston, James R., <i>B. L.</i> (Dal.), Halifax.....	1898
Jones, H. T. Halifax .. .. .	1888
Kaulbach, Rupert C., Lunenburg.....	1898
Keebler, Ralph T., <i>B. A.</i> (Dal.), Bridgewater.....	1895
Kenny, J. B., Halifax .....	1893
King, H. W. DeW., Halifax.....	1895
Knight, James A., Halifax .....	1897
Lane, C. W., Lunenburg .....	1887
Leahy, William J., Halifax.....	1898
LeNoir, M. U., Halifax.....	1885
Logan, H. J., <i>M. P.</i> , Amherst.....	1891
Loggie, William James, Chatham, N. B.....	1896
Lovett, Henry A., <i>B. A.</i> (Acad.), Truro.....	1889
Lovett, Lawrence A., Kentville .....	1895
Lyons, William A., Halifax .. .. .	1887
McBride, Richard, New Westminster, B. C.....	1890
McCart, Leander D., <i>B. A.</i> (Acad.), (obit.).....	1896
McCoy, W. B., <i>B. A.</i> (Mt. All.), Halifax .....	1893
McCready, Charles A., Moncton .....	1888
McCully, Frank A., <i>B. A.</i> (U. N. B.), Sussex .....	1887
McDonald, A. F., <i>B. A.</i> (Dal.), Halifax .....	1894
McDonald, A. J., <i>B. A.</i> (St. Fran. Xav.), Sydney.....	1891
Macdonald, E. M., <i>M. P. P.</i> , Pictou.....	1887
McDonald, Joseph, North Sydney .....	1891
McDonald, J. A., <i>B. A.</i> (Dal.), Halifax .....	1886
McDonald, L. X., Sydney.....	1892
McDonald, William, <i>B. A.</i> (Dal.), Truro .....	1890
MacEchen, Francis A., Sydney.....	1898
MacIlreith, R. T., Halifax.....	1895
McInnes, Hector, Halifax .....	1888
McKay, Adams A., <i>B. A.</i> (McGill), Halifax.....	1888
McKay, John W., Pictou .....	1897
McKay, Robert Sims, Plymouth .....	1896
MacKenzie, Alexander G., Amherst .....	1897

McKinnon, D. A., <i>M. P. P.</i> , Georgetown, P. E. I.....	1887
MacKinnon, J. A., <i>B. A.</i> (Dal.), Halifax.....	1892
McKinnon, John L., <i>B. A.</i> (St. Fr. Xavier), Halifax.....	1897
McLatchy, Harry O., Grand Pré.....	1898
McLatchy, Henry F., Hillsboro, N. B.....	1887
McLean, A. K., Lunenburg.....	1892
McLean, C. A., <i>B. A.</i> (Dal.), Englishtown, C. B.....	1895
McLeod, John, R., Springhill.....	1898
McLennan, D., Port Hood.....	1888
McNeil, Alex., <i>B. A.</i> (St. Fr. Xavier), Halifax.....	1891
McNeill, Albert H., Vancouver, B. C.....	1889
McPhee, D. L., North Sydney.....	1890
McPhie, Stewart, West Bay.....	1897
McVicar, Ronald, Dawson City.....	1896
Magee, Edgar A., (obit.).....	1888
Mahon, Harry E., <i>B. A.</i> (Dal.), Halifax.....	1898
March, S. E., Bridgewater.....	1893
Mathers, F. F., Halifax.....	1892
Mellish, Humphrey, <i>B. A.</i> (Dal.), Halifax.....	1890
Milliken, A. E., Mexico.....	1886
Mills, N. Marks, St. Stephen, N. B.....	1898
Montgomery, John, <i>B. L.</i> (Dal.), St. John.....	1893
Mooney, P. C. C., (obit.).....	1885
Morine, Hon. A. B., <i>M. P.</i> , St. John's, Nfld.....	1892
Morrison, Aulay, <i>M. P.</i> , New Westminster, B. C.....	1888
Morrison, Fred. A., Milltown, N. B.....	1897
Morrison, John S. M., St. Peter's, C. B.....	1897
Morse, C., Ottawa.....	1885
Moseley, Edgar W., Sydney, C. B.....	1897
Munro, H. H., Yarmouth.....	1893
Murray, R. G., St. John.....	1892
Murray, R. H., <i>B. A.</i> (Dal.), <i>LL. M.</i> (Cornell), Halifax.....	1896
Nichols, Ed. H., <i>B. A.</i> (Acad.), Digby.....	1898
Nichols, George E. E., Halifax.....	1898
Notting, Thomas, Halifax.....	1890
Oakes, Ingram, <i>B. A.</i> (Dal.), New Albany.....	1898
O'Connor, William F., Halifax.....	1898
O'Donoghue, Richard, <i>B. A.</i> (St. Fr. Xav.), Antigonish.....	1897
Outhit, J. F., Halifax.....	1895
Oxley, C. H., <i>B. A.</i> (Mt. All), Oxford.....	1890
Parsons, George H., <i>B. A.</i> (Acad.), Halifax.....	1898
Parsons, William R., <i>B. A.</i> (Acad.), Halifax.....	1898
Paton, Vincent J., <i>B. A.</i> (Dal.), Bridgewater.....	1891
Patterson, George G., <i>M. A.</i> (Dal.), New Glasgow.....	1889
Payzant, John A., <i>B. A.</i> (Kings), Halifax.....	1893
Payzant, W. L., <i>B. A.</i> (Kings), Halifax.....	1894
Phalen, Robert F., North Sydney.....	1897
Pineo, Avard Vernon, <i>B. A.</i> (Acad.), Kentville.....	1896

Puddington, H. F., St. John .....	1893
Purdy, Harry A., <i>B. A.</i> (Acad.), Amherst .....	1898
Purney, Willard P., Shelburne .....	1898
Putnam, Harold, <i>B. A.</i> (Dal.), Truro .....	1898
Roberts, J. A., Bridgewater .....	1890
Robertson, H. McN., Barrington .....	1886
Robertson, Henry W., Wickham, N. B. ....	1898
Robertson, S. G., <i>B. A.</i> (Queens), New Glasgow .....	1894
Robertson, T. R., <i>B. A.</i> (Dal.), Kentville .....	1890
Rogers, H. W., Amherst .....	1887
Ross, Henry T., <i>B. A.</i> (Acad.), Bridgewater .....	1889
Ross, Hugh, Port Morien .....	1896
Rowlings, G. A. R., <i>B. A.</i> (Dal.), Halifax .....	1893
Ruggles, N. C., Lunenburg .....	1891
Russell, F. W., <i>LL. M.</i> (Cornell), Dartmouth .....	1893
Russell, Joseph A., Vancouver, B. C. ....	1887
Sangster, H. W., <i>B. A.</i> (Mt. All.), Windsor .....	1892
Schurman, George W., <i>B. A.</i> (Dal.), New York .....	1892
Scott, Frank B., <i>B. A.</i> (Mt. All.), Halifax .....	1896
Sedgewick, J. A., <i>B. A.</i> (Dal.), Halifax .....	1885
Shaw, A. E., <i>B. A.</i> (Acad.), Windsor .....	1891
Shaw, G. S., St. John .....	1885
Sinclair, J. A., St. John .....	1890
Smith, Bowyer S., St. John .....	1892
Stairs, Harry B., <i>B. A.</i> (Dal.), Halifax .....	1893
Stevens, D. J., Halifax .....	1890
Ternan, G. C. B., Halifax .....	1896
Thompson, S. R. ....	1886
Thompson, W. E., Halifax .....	1893
Thomson, Walter K., Halifax .....	1887
Tilley, L. P. D., St. John .....	1893
Tobin, Thomas F., Halifax .....	1889
Tremaine, C. F., Halifax .....	1895
Troop, Arthur G., <i>B. A.</i> (Acad.), Halifax .....	1886
Trueman, W. H., St. John .....	1892
Tufts, Clifford A., <i>B. A.</i> (Acad.), Kingston .....	1898
Vernon, Gilbert H., Truro .....	1897
Wallace, W. B., <i>M. P. P.</i> , Halifax .....	1885
Walsh, W. W., Halifax .....	1886
Wells, W. Woodbury, <i>M. P. P.</i> , Point DeRute, N. B. ....	1886
White, T. H., <i>B. A.</i> (Kings), Shelburne .....	1891
Whitford, Joseph A., Bridgewater .....	1889
Whitman, Alfred, <i>B. A.</i> (Dal.), Halifax .....	1885
Wickwire, H. H., <i>B. A.</i> (Acad.), <i>M. P. P.</i> Digby .....	1891
Wood, John E., <i>B. A.</i> (Acad.), Halifax .....	1896
Woodworth, C. M., <i>B. A.</i> (Acad.), S. Edmonton, N. W. T. ....	1893

## DOCTORS OF MEDICINE AND MASTERS OF SURGERY.

Archibald, Matthew George, Victoria General Hospital.....	1898
Bentley, Robie D., <i>B. A.</i> (Acad.) N. Brookfield, Queens Co.....	1897
Bethune, J. L., Baddeck.....	1875
Bissett, Ernest E., Port Morien, C. B.....	1897
Brehm, Robert A., St. John's, Nfld.....	1898
Brown, Martha W., Newport.....	1897
Bruce, Rev. W. T., <i>B. A.</i> (Dal.), Church Point, N. B.....	1875
Buckley, Avery F., Halifax.....	1898
Byers, D. W., Reading, Mass, U. S. A.....	1893
Campbell, D. A., Halifax.....	1874
Chisholm, Donald, St. Louis, Mo., U. S. A.....	1874
Coady, Patrick F., Newton, Mass, U. S. A.....	1893
Cogswell, W. F., Aldridge, Mont., U. S. A.....	1894
Cox Robinson, Stewiacke.....	1875
Dechman, A. A., Upper Musquodoboit.....	1894
DeWolfe, G. H. H., (obit.).....	1872
Dorman, Oscar, S. S. "Minia," Anglo-Am. Tel. Co., Lond., G. B.....	1897
Drysdale, G. N., San Francisco.....	1892
Fairbanks, H. G., Alma, N. B.....	1895
Forrest, William D., <i>B. Sc.</i> (Dal.), Victoria General Hospital....	1898
Fraser, Alex., <i>B. A.</i> (Dal.), New Glasgow.....	1897
Gandier, George G., Pictou.....	1898
Gates, Charles R., Black Point, St. Margaret's Bay.....	1897
Grant, William, Channel, Nfld.....	1892
Grierson, Robert, <i>B. A.</i> (Dal.), Korea.....	1897
Hamilton, Annie I., Halifax.....	1894
Hamilton, C. A., Mahone Bay.....	1891
Hiltz, C. W., (obit.).....	1872
Irwin, Archer, Hebron, Yarmouth Co.....	1892
Johnson, Isaac W., <i>L. R. C. P.</i> (Edin.), Bury, Lincoln, England.....	1891
Kent, H. V., Truro.....	1890
Lindsay, A. W. H., <i>B. A.</i> (Dal.), <i>M. B. C. M.</i> (Edin.), Halifax.....	1875
McAulay, M. W., Thorburn, Pictou Co.....	1893
McCharles, R. W., Manitou, Man.....	1892
McDonald, Daniel, Middle Musquodoboit.....	1898
McDonald, J. C., Oxford, N. S.....	1895
Macdonald, William Henry, Up. Rose Bay, Lunenburg Co.....	1896
McEwen, Henry E., O'Leary Station, P. E. I.....	1896
McGeorge, Thomas (obit.).....	1893
McKay, Katherine J., New Glasgow.....	1895
McKenzie, Murdock D., Parrsboro.....	1898
McMillan, Finlay, Sheet Harbour.....	1872
McRae, William (obit.).....	1872
Meyer, E. J., East Cambridge, Mass.....	1893
Moore, Edmund, Salisbury, N. B.....	1874
Moore, E. F., <i>B. A.</i> (Mt. All.), Hosp. for Insane, Dartmouth....	1895

Morrow, A., <i>M. B. C. M.</i> (Edin.), <i>ad eundem gradum</i> , Sandcou- lee, Cascade Co., Mont., U. S. A.....	1893
Morton, Angus McD., S. S. "Gulnare".....	1898
Muir, W. S., <i>L. R. C. P. &amp; S.</i> (Edin.), Truro.....	1875
Munro, C B., Wallace . . . . .	1895
Murphy, G. N., <i>M. D.</i> (Bellevue), Yarmouth.....	1895
Murray, Duncan, Lower Stewiacke. . . . .	1896
Olding, Clara Mary, St. John, N. B.....	1896
Payzant Henry A., Sherbrooke . . . . .	1897
Rice, F. E , Digby . . . . .	1893
Robert, Cassimir (obit.).....	1875
Ross, Alexander, N. Earltown . . . . .	1896
Simpson, H. O., Dartmouth.....	1895
Slaughenwhite, Stephen S., Conquerall Bank, N. S.....	1896
Sutherland, Roderick (obit ) . . . . .	1872
Thompson, Alfred, Klondike.....	1898
Turnbull, G. D., Arcadia, Yarmouth Co.....	1892
Williamson, Samuel W., Hebron, Yarmouth Co.....	1896
Woodworth, P. C., Kentville . . . . .	1892

## STUDENTS, 1897-98.

### FACULTY OF ARTS.

#### GRADUATE STUDENTS.

Austen, M. May, B. A. ....	Halifax.
Cameron, Ira William, B. A. ....	New Glasgow.
McKay, Thomas C., B. A. ....	Dartmouth.
Nicholson, John W. A., B. A. ....	Oban, Richmond Co.
Sutherland, George Adam, B. A. ....	Earltown.

#### UNDERGRADUATES.

##### *In Arts.*

##### FOURTH YEAR.

Blanchard, Aubrey Blanchard .....	Truro.
Brodie, William Stuart .....	Halifax.
Buchanan, Murdoch .....	St. Ann's, Victoria Co.
Campbell, Alvin Henry .....	Elmsdale.
Campbell, Duncan McDonald .....	Salmon River, Col. Co.
Colquhoun, John G. ....	Little Harbour.
Corston, James Robert .....	Halifax.
Crowe, Henry Stanley .....	Central Onslow.
DeWolfe, Margaret Woodill .....	Halifax.
Grant, Clarence Fraser .....	Port Morien, C. B.
Hockin, John George .....	Halifax.
Kennedy, Elizabeth Erota .....	Halifax.
Lewis, Bessie Blanche .....	Truro.
Logan, Bessie Margaret .....	Truro.
Macdonald, Daniel John .....	Point Prim, P. E. I.
Mackintosh, Finlay H. ....	Sunnybrae, Pictou Co.
MacRae, Donald Alexander .....	Canoe Cove, P. E. I.
McKay, Catherine Wetmore .....	Dartmouth.
McKenzie, John Bradshaw .....	Campbellton, N. B.
Morton, James Roland .....	Milton, Queens Co.
Munro, Henry Fraser .....	Pictou.
Murray, Norman Grant .....	Halifax.
Noble, John Duncan .....	Miramichi, N. B.
O'Brien, Milton Addison .....	Noel, Hants Co.
Rankine, James Miller .....	Halifax.
Read, Hibbert Robert .....	Athol, Cumberland Co.
Ross, David Charles .....	Marlboro, Conn.
Ross, William Alexander .....	Lorne, Pictou Co.
Sedgewick, William Harry .....	Middle Musquodoboit.

Steeves, Blanchard Perley.....	Elgin, N. B.
Watt, Arthur William .....	Pictou.
Wood, George .....	Halifax.

## THIRD YEAR.

Anderson, Charles Willoughby.....	Halifax.
Anderson, James Henry Addison. ....	St. Peter's Bay, P. E. I.
Baird, John William Adams.....	River Hebert, N. S.
Barnes, James .....	Halifax.
Borden, Lorris E.....	Sheffield Mills.
Burriss, Grace Dean .....	Upper Musquodoboit.
Campbell, Jessie Brown.....	Halifax.
Chase, Margaret Hawthorne .....	Onslow.
Cunning, Alison .....	Truro.
Davis Roy.....	Clifton.
Farquharson, William Oban. ....	Halifax.
Fisher, John Andrew.....	Pictou.
Forbes, George Ernest.....	Little Harbour, Pictou Co.
Fulton, Clarence.....	Lower Stewiacke.
Glover, Benjamin .....	Georgetown, P. E. I.
Hebb, Arthur Morrison .....	Bridgewater.
Keith, Donald, Jr.....	Halifax.
Lindsay, Charles Fowler.....	Halifax.
Mackay, Annie.....	Pictou.
MacKenzie, George Norris.....	Parrsboro, Cumb. Co.
MacKenzie, Jane.....	Bedford.
MacKenzie, Luther Burns.....	Bedford.
McKenzie, George William. ....	St. George's Channel, C.B.
Messenger, Ralph James.....	Bridgetown.
Moody, Georgina Maud .....	Halifax.
Murray, A. Heary Stewart .....	Halifax.
Outhit, William Edward.....	Melvorn Square, Annap.
Ramsay, James Archibald.....	Hamilton, P. E. I.
Rice, Grace Elizabeth Bernard.....	Weymouth.
Ross, George Murray.....	Blue Mountain, Richd. Co.
Ross, Theodore.....	Ross' Corner, P. E. I.
Routledge, Arthur Weston.....	Sydney.
Thompson, Charles Alexander .....	Durham, Pictou Co.

## SECOND YEAR.

Bentley, John Skipwith .....	Truro.
Blanchard, Melville Waddell .....	Truro.
Cunningham, Allan Rupert.....	Dartmouth.
Douglas, Edgar.....	Halifax.
Fleming, Nancy O'Brien. ....	Halifax.
Flemming, Ethel Augusta.....	Halifax.
Hebb, Thomas Carlyle.....	Bridgewater.
Henderson, George.....	Halifax.



Kent, Harry Arnold	Truro.
MacDonald, Wentworth Stauley	New Glasgow.
MacKenzie, David Wallace	Flat River, P. E. I.
Macleod, Edward Annand	Halifax.
Mair, Catherine Frith	Campbellton, N. B.
McKinnon, Duncan Hugh	Sydney River, C. B.
Myers, Charles Allan	P. E. I.
Ramsay, Ernest Herbert	Hamilton, P. E. I.
Rankine, John	Halifax.
Read, Edith McGregor	Halifax.
Ross, John Samuel	Eureka.
Simpson, Ruth	Halifax.
Smith, Alonzo Alexander	New Glasgow.
Spencer, Arthur Gordon	Truro.
Weldon, Joseph William	Halifax.
Wood, Thomas Chalmers	Halifax.
Worsley, Pennyman John C.	Halifax.

FIRST YEAR.

Anderson, Harold Blanchard	Halifax.
Archbold, Francis Harry	Halifax.
Boak, Lillie May	Halifax.
Cameron, Fraser	New Glasgow.
Carr, James Beariste	Campbellton, N. B.
Crowe, Henry Scott	Central Onslow.
Forbes, Homer Dudley	St. John, N. B.
Forrest, Jean Fairbanks	Halifax.
Gordon, Jean Anna May	River John.
Gorham, Mildred Helen	Halifax.
Harvey, Edward Kitson	Halifax.
Hockin, Arthur	Halifax.
Kennedy, James Horace	Halifax.
Mackasey, William Patrick	Halifax.
Mackie, Irwin Cameron	Brockton, Mass.
McPherson, Fred. Gordon	Halifax.
McPherson, Malcolm James	Uigg, Scotland.
Ritchie, Reginald Lee	Halifax.
Ruggles, Vernon Douglas	Halifax.
Stewart, James David	Montague, P. E. I.
Stuart, Mary Ethel	Truro.
Vance, Fred. Smith	Folly.
Williams, Winifred Boak	Boston.

*In Letters.*

FOURTH YEAR.

Mackinnon, William Thomas Morris	Amherst.
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THIRD YEAR.

Hobrecker, Alma Helena	Halifax.
Lawlor, Gertrude Louise	Dartmouth.

## GENERAL STUDENTS.

Bentley, Ethel Elizabeth	Halifax.
Bond, Elizabeth	Halifax.
Bradley, John Alexander	South Branch, Stewiacke.
Burrill, Louis Maynard	Weymouth.
Burrows, Leopold Reid	Hamilton, Bermuda.
Butler, George K., B. A.	Killam's Cove, Yar. Co.
Chisholm, Maud	Dartmouth.
Cock, James Lyall	Truro.
Covey, Fanny Ruth	Halifax.
Crocker, J. Howard	St. Stephen, N. B.
Cunningham, William Andrew	Tatamagouche Bay.
Cummings, Elizabeth Agnes	Folly Village.
Dennis, Helen Tupper	Halifax.
Dickey, Edwin Egbert	Upper Canard, Kings Co.
Dickie, Gordon, B. A.	Milford.
Doherty, Serena Agnes	Kent Co., N. B.
Donovan, William Edward	Halifax.
Farrell, Robert Joseph	Halifax.
Ferguson, John Archibald	Port Morien, C. B.
Fisher, Franklin	Bay of Islands, Nfld.
Forrest, Catherine Munro	Halifax.
Fraser, Anna Elizabeth	Vancouver, B. C.
Fraser, Annie Chisholm	New Glasgow.
Gilmore, Alice Mary	Halifax.
Hattie, Robert M., B. A.	Halifax.
Haverstock, Alice M.	Halifax.
Hobreeker, Hedwig	Halifax.
Huestis, Lizzie Starr	Halifax.
Kent, Herbert Howard	Truro.
Lawson, Peter Fearn	Grafton, Kings Co.
Lynch, George Joseph	Halifax.
Liechti, Minna	Halifax.
McArthur, Angus	New Glasgow.
MacCaskill, John James	Little Narrows.
McCrow, Ella Augusta	Halifax.
McCurdy, Elizabeth Russell	Halifax.
Macdonald, Alexander Elmore Murray	Truro.
Macdonald, Archibald J.	St. Peters, C. B.
Macdonald, Blanche, B. A.	Halifax.
McDonald, Ewen	Murray Head Ro., P. E. I.
Macdonald, James Gordon	Elmsdale.
Macdonald, M. Stewart	Whycocomagh.
Macdougall, Albert Lorne	Moncton.
Macdougall, James	P. E. I.
Macinnes, Kenneth John	Baddeck.
Macinnes, Peter	South Ingonish.
McIntosh, Charles Campbell	Malagawatch.

Mackintosh, Finlay G.....	Springville E. R.
MacKay, Alexander Murray.....	Halifax.
McKay, Ira, B. A.....	Pictou.
Mackay, Nora Katrina.....	Dartmouth.
MacKay Robert Grant.....	Springville.
MacLeod, Albert Morrison.....	Lorne.
MacLeod, John Charles.....	Port Caledonia.
McLeod, Margaret.....	
McMillan, Mildred.....	Halifax.
McQueen, Norman.....	Port Morien, C. B.
Mahon, Harry Edmund, B. A.....	Halifax.
Mitchell, George Stewart.....	Linden.
Morrison, Bertha Leila.....	Dartmouth.
Morrison, William Angus.....	Middle River.
Murphy Thomas William.....	Halifax.
Murray, Robert Pollok.....	Hillsboro, C. B.
O'Brien, Clarence Wilbert.....	Noel, Hants Co.
O'Brien, Osmond Franklin.....	Noel, Hants Co.
O'Donnell, Minnie E.....	Halifax.
Paisley, Grace Allison, B. A.....	Halifax.
Rand, Annie Mack.....	King's Co., N. S.
Rankine, Annie B.....	Halifax.
Robertson, Henry Whitford.....	Wickham, N. B.
Roy, Myrtle Irene.....	Bedford.
Seeley, Charles Herbert.....	Halifax.
Saunders, Amy C.....	Halifax.
Saunders, Grace Hart.....	Halifax.
Seeton, Ella Winifred.....	Halifax.
Simmonds, Lillie Irene.....	Dartmouth.
Stairs, Susan Isabella.....	Halifax.
Sutherland, Edith Frances.....	Baddeck, C. B.
Theakston, S. Emma.....	Halifax.
Tucker, Holford Adam.....	Parrsboro.
Willis, Eliza J.....	Halifax.
Wiswell, Ida May.....	Halifax.

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FACULTY OF PURE AND APPLIED SCIENCE.

**GRADUATE STUDENT.**

Archibald, Eben Harry, B. SC. .... Harmony, Colchester Co.

**UNDERGRADUATES.**

FOURTH YEAR.

Cook, Alexander David..... Halifax.  
 Macdonald, William Angus..... Halifax.  
 Morrison, Hugh Thomas..... Dartmouth.

## THIRD YEAR.

Cordiner, Charles Alonzo ..... Groves' Point.  
 Stewart, Elizabeth Helen ..... Halifax.

## SECOND YEAR.

Anderson, Bernard Charles ..... Lunenburg.  
 Fleming, James Maxwell ..... Halifax.  
 Forrest, George Munro ..... Halifax.  
 Pasea, Charles Monro ..... Trinidad.

## FIRST YEAR.

Gould, William Matthew ..... Halifax.  
 Stcwart, William Edgar ..... Jackson, Cumberland Co.

## GENERAL STUDENTS.

Ackhurst, Violet Kathleen ..... Halifax.  
 Aloysius, Brother ..... Halifax.  
 Anderson, Teresa ..... Halifax.  
 Blois, Ernest H. .... Halifax.  
 Brodie, Isabel ..... Halifax.  
 Blathwayt, Mary Charlotte ..... Dartmouth.  
 Campbell, Duncan Geo. Jos. .... Halifax.  
 Campbell, Robert ..... Halifax.  
 Delahanty, Katherine ..... Haiifax.  
 Dempsey, Isabel ..... Halifax.  
 Edgecombe, Ethel ..... Dartmouth.  
 Egan, Jean Grant ..... Halifax.  
 Haverstock, Ernest ..... Halifax.  
 Healy, Katherine E ..... Halifax.  
 Kelly, Jessie M. .... Halifax.  
 MacKerrow, Horace Gilford ..... Haiifax.  
 McColough, Agnes ..... Halifax.  
 Phelan, Margaret T. .... Halifax.  
 Simson, Robie Seymour ..... Halifax.  
 Wakely, Agnes ..... Halifax.  
 Whalen, Annie ..... Halifax.

## FACULTY OF LAW.

## UNDERGRADUATES.

## THIRD YEAR.

Boyd, John Albert, B. A., (St Fr. Xav) ..... Antigonish  
 Cummings, Alfred Graham, B. A., (Dal.) ..... Onslow.  
 Finn, Robert Emmett ..... Dartmouth  
 Foote, Samuel James, A B., (Mt. All.) ..... Grand Bank, Nfld.  
 Irwin, Harry ..... Shelburne.  
 Johnston, James Robinson, B. L., (Dal.) ..... Halifax.

Leahy, William James .....	Halifax.
MacEchen, Francis Alexander, B. A., (St. F. Xav.)	Sydney.
MacLatchy, Harry Otis .....	Grand Pré.
MacLeod, John Robert .....	Springhill.
Mahon, Harry Edmund, B. A., (Dal.) .....	Halifax.
Mills, Nehemiah Marks .....	St. Stephen, N. B.
Nichols, Edward Hart, A. B., (Acadia) .....	Digby.
Nichols, George Everard Edgehill .....	Halifax.
Oakes, Ingram, B. A., (Dal) .....	New Albany.
O'Connor, William Francis .....	Halifax.
Parsons, William Rufus, A. B., (Acadia) .....	Halifax.
Parsons, George Harold, A. B., (Acadia) .....	Halifax.
Purdy, Harry Alden, A. B., (Acadia) .....	Amherst.
Purney, Willard Parker .....	Shelburne.
Putnam, Harold A., B. A., (Dal.) .....	Lower Onslow.
Robertson, Henry Whitford .....	Wickham, N. B.
Tufts, Clifford Ashton, A. B., (Acadia) .....	Kingston.

## SECOND YEAR.

Ayre, George William Bulley .....	St John's, Nfld.
Burchell, Charles Jost, B. A., (Dal.) .....	Sydney, C. B.
Cameron, John Alexander Hugh, B. A., (St. Fr. Xav.)	Mabou, C. B.
Douglas, John Carey, A. B., (Mt. All) .....	Stellarton.
Fawcett, John Louis .....	Sackville, N. B.
Freeman, Churchill Locke, A. B., (Acadia) .....	Milton.
Grey, William Smith, B. A., (Dal.) .....	Halifax.
Jardine, David, A. B., (Mt. All.) .....	Richibucto, N. B.
Killam, Cecil, A. B., (Mt. All.) .....	Yarmouth.
Macdonald, Finlay .....	Hawkesbury.
Mackay, Henry Seaton .....	Westville.
Macmillan, Neil A., B. A., (St. Fr. Xav.) .....	East Bay.
McIntyre, Archie A., B. A., (St. Fr. Xav.) .....	Antigonish.
Newcomb, Louis Forrester .....	Sheffield Mills.
Nichols, Frank William, A. B., (Acadia) .....	Digby.
O'Mullin, John Coll .....	Halifax.
Richardson, John William .....	St. Andrews.
Slyater, James Morrow .....	Halifax.
Sargent, Joseph Heinrich .....	Barrington.
Waddell, William Henry, B. A., (Dal) .....	Halifax.

## FIRST YEAR.

Begg, William Alexander .....	Kentville.
Brehaut, Alder .....	Murray Harbor, S.
Butts, Robert Hamilton .....	Sydney Mines, C. B.
McInnis, Angus Charles, B. A., (St. Fr. Xav.) .....	Lake Ainslie, C. B.
Moseley, Herbert Charles .....	Sydney.
O'Hearn, Walter Joseph Aloysius .....	Halifax.
Pearson, George Frederic .....	Halifax.
Spinney, Frederick Herbert .....	Malvern Square.
Ternan, Patrick Breifni .....	Bedford.

## GENERAL STUDENTS.

Blanchard, Aubrey Blanchard .....	Truro.
Church, Harold Ambrose.....	Bedford.
Crowe, Henry Stanley .....	Central Onslow.
Davis, Roy.....	Clifton.
Dunn, James Hamet .....	Bathurst, N. B.
Elliott, Charles Clifford .....	Pictou.
Finlayson, Duncan Kenneth.....	Grand River.
Foley, Joseph Patrick .....	Halifax.
Fulton, Clarence.....	Lower Stewiacke.
Harris, George Ludlow, B. A., (U. N. B.) .....	Moncton, N. B.
Hattie, Robert McConnell, B. A., (Dal.) .....	Halifax.
Jamieson, Charles Frederick .....	Lockeport.
Keith, Donald, jr.....	Halifax.
Lamb, Albert Everett.....	Baie Verte, N. B.
Lawson, Peter Fearn.....	Grafton.
Mackay, John James.....	Pictou.
Matheson, Joseph Duncan.....	Marble Mountain.
Reynolds, Maynard Martin .....	N. W. Arm.
Routledge, Arthur Weston .....	Sydney.
Schurman, Richard .....	Truro.
Sedgewick, William Harry.....	Mid. Musquodoboit.
Seeley, Charles Herbert.....	Halifax.

## FACULTY OF MEDICINE.

## UNDERGRADUATES.

## FOURTH YEAR.

Archibald, Matthew George .....	Middle Musquodoboit.
Brehm, Robert Almon.....	St. John's, Newfoundland.
Buckley, Avery Fillis .....	Halifax.
Dickey, Hugh Leverette.....	Upper Canard, Kings.
Forrest, William Duff, B. Sc.....	Halifax.
Gandier, George Gaw .....	Newburgh, Ontario.
McDonald, Daniel .....	Leitch's Cove, C. B.
McDonald, Edward Murray .....	Sydney Mines, C. B.
McKenzie, Murdoch Daniel .....	Grand River, C. B.
Morton, Angus McDonald .....	Woodville, Kings.
Thompson, Alfred.....	Nine Mile River, Hants.

## THIRD YEAR

Almon, William Bruce .....	Halifax.
Atkinson, Edward Payson .....	Baie Verte, N. B.
Farrell, Edward Dominick.....	Halifax.
Farrell, Louis Patrick .....	Halifax.
Goodwin, Wendell Vankleeck .....	Baie Verte, N. B.
Mackay, John St. Clair.....	Earlton.

McLean, Murdock Thomas	Groves' Point, C. B.
McMillan, Charles Edward, B. A. (Dal.)	Whycocomagh.
Munroe, James Gilbert	River John, Pictou.
Randall, Mary Leila	Bayfield, Antigonish.
Shaw, Sidney Everette	Waterville, Kings.
Trenaman, Louis Gervaise	Halifax.

SECOND YEAR.

Braine, Laurence Bernard Wilfrid	Halifax.
Braine, Winifred Brenda	Halifax.
Cook, Alexander David	Halifax.
Cooke, Allen Percy Archer	Halifax.
Cordiner, Charles Alonzo	Groves' Point, C. B.
Dymond, William Adams	Halifax.
Ernst, Victoria Sarah	Bridgewater, Lunenburg.
Forbes, Albert Ernest	Sydney, C. B.
Giovanetti, Louis John	Port Morien, C. B.
McKenzie, John Bradshaw	Campbellton, N. B.
O'Brien, Milton Addison	Noel.
Pennington, John Wesley	Sandy Point, Shelburne.
Pratt, Nelson	Maitland.
Reynolds, James	Upper Musquodoboit.
Reynolds, William Pearson	Upper Musquodoboit.
Salter, Orland Ray	Newport, Hants.
Taylor, Frank Woodland	Port la Tour, Shelburne.

FIRST YEAR.

Archibald, Charles Clifford	Harmony.
Borden, Lorris Elijah	Sheffield Mills, Kings Co.
Cameron, Harold	River John, Pictou.
Cochran, Wilfrid Northup	Newport.
Cox, Ralph Benjamin	Kingsport.
Crosby, Leander Marshall	Hebron.
Densmore, Lambert Douglas	Maitland.
DeOlloqui, Marie Jeanette	Kingston, N. B.
Dickson, Charles Harold	Pictou.
Faulkner, Ebenezer Ross, B. A.	Folly Village.
Ferguson, John Archibald	Port Morien, C. B.
Fraser, Frederick Lawson	West River, Pictou.
Hebb, Arthur Morrison	Bridgewater.
Irwin, John Frank	Halifax.
Morse, Charles Dakin	Sandy Cove, Digby.
Muir, John Ritchie	Truro.
McLean, William Edwin	Sherbrooke.
O'Brien, Clarence Wilbert	Noel, Hants.
O'Donnell, Florence Maude	Halifax.
Palmer, Gideon Howard	Dorchester, N. B.
Roach, Edwin Bishop	Nappan Station.

University Lists.

- Robbins, Welton Havelock ..... Rossway, Digby.
- Sivright, William ..... Brookville, Pictou
- Thomas, Lewis ..... Dartmouth.
- Wardrope, Monson James ..... Milford, Hants.
- Woodland, George Hart ..... Wallace.
- Zwicker, Francis Gordon ..... Halifax.

GENERAL STUDENT.

- Garrison, Annie Florence ..... Halifax.



APPENDIX.

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FACULTIES OF ARTS AND SCIENCE.

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JUNIOR MATRICULATION

EXAMINATION PAPERS, 1897-98.

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LATIN.

*Examiner*..... HOWARD MURRAY, B. A.

CÆSAR: GALLIC WAR, BOOK I. VIRGIL: AENEID, BOOK II.

TIME: THREE HOURS.

I.

Translate:

(a) Eodem die ab exploratoribus certior factus hostes sub monte condesisse millia passuum ab ipsis castris octo, qualis esset natura montis et qualis in circuitu ascensus, qui cognoscerent misit. Renuntiatum est facilem esse. De tertia vigilia Titum Labienum, legatum pro prætore, cum duabus legionibus et iis ducibus, qui iter cognoverant, summum jugum montis ascendere jubet; quid sui consilii sit ostendit. Ipse de quarta vigilia eodem itinere, quo hostes ierant, ad eos contendit, equitatumque omnem ante se mittit.

(b) evado ad summi fastigia culminis, unde tela manu miseri iactabant inrita Teucris, turrim in præcipiti stantem summisque sub astra eductam tectis, unde omnis Troia videri et Danaum solitae naves et Achaica castra, adgressi ferro circum, qua summa labantes iuncturas tabulata dabant, convellimus altis sedibus, inpulimusque: ea lapsa repente ruinam cum sonitu trahit, et Danaum super agmina late incidit. ast alii subeunt; nec saxa, nec ullum telorum interea cessat genus.

1. In (*a*), account for case of *die, hostes, millia, itinere*, and for mood of *consedissee, esset, cognoscerent*.
2. Write brief historical notes on the following :
  - (*a*) L. Cassium consulem occisum ab Helvetiis.
  - (*b*) Cimbris et Teutonibus pulsus.
  - (*c*) Nuper in Italia servili tumultu.
3. In what year and at what age did Cæsar become consul? How long was he in Gaul? When and why did he return to Italy?
4. Scan the last four lines of extract (*b*).
5. Write brief notes on Andromache, Laocoon, Mycenæ, Palladium, Tydides.

## II.

1. Write, giving meaning :
  - (*a*) Five feminine nouns of the 2nd declension.
  - (*b*) Five feminine nouns of the 4th declension.
  - (*c*) Five nouns used in the plural only.
2. Decline throughout :—*ea urbs, hæc respublica, tota domus*.
3. Give the Latin cardinals, ordinals, distributives and numeral adverbs from 1 to 5 inclusive.
4. Write down the 1st sing. pres. and imperf. subj. and the 2nd sing. pres. imperat. of *abeo, cieo, curo, curro, facio, fero, hortor, sequor*.
5. What is the test of a transitive verb in Latin? How does the use of such a verb in the passive voice differ from that of an intransitive verb? Illustrate your answer.
6. Turn into Latin :
  - (*a*) We obey the laws to enjoy freedom.
  - (*b*) Do not think I am afraid he will desert us.
  - (*c*) The general gave the enemy no opportunity of collecting themselves.
  - (*d*) All the world believes that that crime was perpetrated by this man.
  - (*e*) Who will doubt that these things have been done contrary to law?

## III.

Translate this passage from a book not prescribed :

Non ego iam Epaminondæ, non Leonidæ mortem huius mortis antepono; quorum alter quum vicisset Lacedæmonios apud Mantineam, atque ipse gravi vulnere exanimari se videret; ut primum dispexit, quaesivit, salvusne esset clypeus? Quum salvum esse flentes sui respondissent: rogavit, essentne fusi hostes? Quumque id quoque, ut cupiebat, audivisset, evelli iussit eam, qua erat transfixus, hastam. Ita multo sanguine profuso, in lætitia et in victoria est mortuus. Leonidas autem, rex Lacedæmoniorum, se in Thermopylis trecentosque eos, quos eduxerat Sparta, quum esset proposita aut fuga turpis aut gloriosa mors, opposuit hostibus. Præclaræ mortes sunt imperatoriarum. Philosophi autem in suis lectulis plerumque moriuntur.

## GREEK.

Examiner:.....HOWARD MURRAY, B. A.

## XENOPHON: ANABASIS, BOOK IV.

TIME: THREE HOURS.

## I.

Translate:

(a.) Καὶ ἀριστῶντι τῷ Ξενοφῶντι προσέτρεχον δύο νεανίσκω· ἤδεσαν γὰρ πάντες, ὅτι ἐξεῖη αὐτῷ καὶ ἀριστῶντι καὶ δειπνοῦντι προσελθεῖν, καὶ, εἰ καθεύδοι, ἐπεγείραντα εἰπεῖν, εἰ τίς τι ἔχοι τῶν πρὸς τὸν πόλεμον. Καὶ τότε ἔλεγον, ὅτι τυγχάνοιεν φρύγανα συλλέγοντες ὡς ἐπὶ πῦρ, κάπειτα κατίδοιεν ἐν τῷ πέραν ἐν πέτραις καθηκούσαις ἐπ' αὐτὸν τὸν ποταμὸν γέροντά τε καὶ γυναικας καὶ παιδίσκας ὡσπερ μαρσίτους ἱματίων κατατιθεμένους ἐν πέτρᾳ ἀντρώδει.

(b.) Καὶ ἀφικνοῦνται ἐπὶ τὸ ὄρος τῇ πέμπτῃ ἡμέρᾳ· ὄνομα δὲ τῷ ὄρει ἦν Θήχης. Ἐπειδὴ δὲ οἱ πρῶτοι ἐγένοντο ἐπὶ τοῦ ὄρους καὶ κατείδον τὴν θάλατταν, κραυγὴ πολλὴ ἐγένετο. Ἀκούσας δὲ ὁ Ξενοφῶν καὶ οἱ ὀπισθοφύλακες ᾤθησαν ἐμπροσθεν ἄλλους ἐπιτίθεσθαι πολεμίους· εἶποντο γὰρ ὀπισθεν ἐκ τῆς καιομένης χώρας, καὶ αὐτῶν οἱ ὀπισθοφύλακες ἀπέκτεινάν τέ τινας καὶ ἐζώγησαν, ἐνέδραν ποιησάμενοι, καὶ γέρρα ἔλαβον δασειῶν βοῶν ὁμοβόεια ἀμφὶ τὰ εἰκοσιν.

1. In (a) parse ἐξεῖη, γέροντα, κατατιθεμένους, ἀντρώδει.

2. In (b) account for the case of ἡμέρα and of ὄρει, and give the principal parts of ἀφικνοῦνται, κατείδον, ἐγένετο, ἀκούσας, εἶποντο, ἔλαβον.

## II.

1. Explain the following terms:—close vowels, palatals, crasis, elision, antepenult, circumflex accent, barytone.

2. Gen. sing. and dat. plur. of πόλις, γένος, ἀνὴρ, κέρας, λαμπάς, νεανίας, ὕδωρ, κύων, σὺ, ὄστις.

3. Compare αἰσχρός, ἡδέως, μέσος, σαφής, σοφός, ταχέως.

4. 2nd plur. imperf. of λείπω, τιμάω, ἴστημι, εἰμί, εἶμι.

Aor. inf. pass. of λύνω, φαίνω, τίθημι, δίδωμι, δίδωκο.

5. Greek for:—The quickest way, three times a day, the half of the island, the rest of the army, hardly anything, many other things.

6. Turn into Greek:—

(a.) During the night the ship was captured, crew and all.

(b.) The soldiers remained in the same place for four days after the battle.

(c.) I do not think that the city has been taken by the enemy.

(d.) The citizens leaving their houses fled with their wives and children to the mountains.

(e.) This man had often proved of great value to the army.

## III.

Translate this passage from a book not prescribed :

Ἄνδρες στρατιῶται, τῶν Ἀρκάδων οἱ μὲν τεθνήσκειν οἱ δὲ λοιποὶ ἐπὶ λόφον τινοῦ πολιορκοῦνται. Νομίζω δ' ἐγώ γε, εἰ ἐκεῖνοι ἀπολοῦνται, οὐδ' ἡμῖν εἶναι οὐδεμίαν σωτηρίαν, οὕτω μὲν πολλῶν ὄντων πολεμίων, οὕτω δὲ τεθαρρηκότων. Κράτιστον οὖν ἡμῖν ὡς τάχιστα βοηθεῖν τοῖς ἀνδράσιν, ὅπως, εἰ ἔτι εἰσὶ σῶοι, σὺν ἐκείνοις μαχώμεθα καὶ μὴ μόνοι λειψθέντες μόνοι καὶ κινδυνεύωμεν. Νῦν μὲν οὖν στρατοπεδευσώμεθα, προελθόντες, ὅσον ἂν δοκῇ καιρὸς εἶναι εἰς τὸ δευποποιεῖσθαι· ἕως δ' ἂν παρεύωμεθα, Τιμασίῳν ἔχων τοὺς ἵππους προελανθέντω ἑφόρων ἡμᾶς, καὶ σκοπεῖτω τὰ ἔμπροσθεν, ὡς μηδὲν ἡμᾶς λάθῃ.

## ENGLISH.

Examiner . . . . . ARCHIBALD MACMECHAN, PH. D.

TIME : TWO HOURS.

1. Write a short composition of at least three paragraphs on *one only* of the following themes, paying attention to hand-writing, spelling and punctuation, as well as to diction and sentence construction :

- (a) The Trial of Nuncomar, *or*
- (b) The Boyhood and Old Age of Warren Hastings, *or*
- (c) Hastings, the Governor, *or*
- (d) The Exile of Coriolanus, *or*
- (e) Coriolanus and his Mother, *or*
- (f) The Wooing of Portia, *or*
- (g) The Ruin of Shylock, *or*
- (h) Grand Pré Before the English Came, *or*
- (i) The Last Meeting of Gabriel and Evangeline, *or*
- (j) The Battle in the Trossachs.
- (k) The Sending of the Fiery Cross.

2. Reproduce carefully in prose the substance of the following lines :—

Lurked in their watery lairs the *trout*,  
But, *silver* and scarlet, I lured them out.  
Wary were they, but *warier* still  
My cunning wrist and my cast of skill.

I whipped the red pools under the beeches ;  
I whipped the yellow and dancing reaches.  
The purple eddy, smooth *like oil*,  
And the tail of the rapid *yielded spoil*.

So all day long, *till* the day was done,  
I followed the stream, I followed the sun ;  
Then homeward over the ridge I went,  
The wandering heart of me well *content*.

—ROBERTS, *The Trout Brook*.

3. Analyse fully the selection in (2) ; and parse the italicized words.

## FRENCH.

Examiner..... PROFESSOR LIECHTI.

TIME: THREE HOURS.

## I.

- A. Translate : *Charles XII.*— Pierre le Grand quitta la Russie en 1698, n'ayant encore régné que deux années, et alla en Hollande, déguisé sous un nom vulgaire, comme s'il avait été un domestique de ce même "le Fort," qu'il envoyait ambassadeur extraordinaire auprès des Etats-généraux. Arrivé à Amsterdam, inscrit dans le rôle des charpentiers de l'amirauté des Indes, il y travaillait dans le chantier comme les autres charpentiers. Dans les intervalles de son travail il apprenait les parties des mathématiques qui peuvent être utiles à un prince, les fortifications, la navigation, l'art de lever des plans. Il entrait dans les boutiques des ouvriers, examinait toutes les manufactures ; rien n'échappait à ses observations. De là il passa en Angleterre ; où il se perfectionna dans la science de la construction des vaisseaux : il repassa en Hollande, et vit tout ce qui pouvait tourner à l'avantage de son pays.

## II.

- B. Translate : Charles XII, impatient de ne pas aborder assez près ni assez tôt, se jette de sa chaloupe dans la mer, l'épée à la main, ayant de l'eau par delà la ceinture : ses ministres, l'ambassadeur de France, les officiers, les soldats, suivent aussitôt son exemple, et marchent au rivage malgré une grêle de mousquetades. Le roi, qui n'avait jamais entendu de sa vie de mousqueterie chargée à balle, demanda au major général Stuart, qui se trouva auprès de lui ce que c'était que ce petit sifflement qu'il entendait à ses oreilles. "C'est le bruit que font les balles de fusil qu'on vous tire, lui dit le major." "Bon ! dit le roi, ce sera là dorénavant ma musique." Dans le même moment le major qui expliquait le bruit des mousquetades en reçut une dans l'épaule, et un lieutenant tomba mort à l'autre côté du roi.

Questions :— 1. Parse and give principal parts of : *quitta, avait, apprenait, pouvait* (A) ; *jette, suivent, était* (B).

2. Mention, giving short illustrations, some leading points in which French and English differ from one another in their construction.

3. *En 1698.* Write this date in letters ; distinguish between : *deux mille* and *deux milles*. Show by exs. that *en* may be used as *partitive article* and as *pronoun*. Translate : There is gold in Nova Scotia I have bought some French books. We have good friends. That man has no money.

4. Write the sentence : *Pierre le Grand . . . 1698* in the negative interog. form, and comment on its construction. Write down the present Indic., and the present Subj. of *quitta*.

5. *Il y travaillait.* Parse *y*, and show that it may assume a nominal character in sentences like : Are you *thinking of* (penser à) what he said ? No, I am not thinking of it ; translate this.—Used idiomatically, *y* is susceptible of various meanings ; can you interpret : Je lui ai écrit *il y* a trois mois. *Y a-t-il* longtemps que vous êtes dans la ville. Combien *y a-t-il* d'ici à Boston ?

6. *Le roi qui n'avait . . . entendu.* (B) Write down the principal *adv.* of *negat.*, and translate: I have never been in France. He has no longer any parents. Have you ever read Molière? Never. Has anything happened? No, Sir, nothing. Distinguish between *qui* and *que*: (a) as *relative pronouns*; (b) as *interrog. pronouns*; illustrate with short exs.

7. Illustrate by short exs. the difference between *comme* and *comment*. Write in French: Her Majesty, the Queen. His Majesty, the Emperor. His father and (his) mother are both English. Note peculiarities in the agreement of the *possess pron.* in the foregoing exs.

8. Translate: There are many strangers in town. The weather is magnificent. It is mild. It is not cold. How old are you? I am nineteen years old. Are you a Frenchman? No, Sir, I am an Englishman, but I understand French a little. Am I right? I beg your pardon, you are wrong. To-day is the 11th of September, 1897—(letters).

### MATHEMATICS.

Examiner ..... C. MACDONALD, M. A.

#### G E O M E T R Y.

TIME : THREE HOURS.

1. If from the ends of the base of a triangle lines be drawn to meet in a point within the triangle, these lines shall be together less than the sides of the triangle; but they shall contain an angle greater than the angle at its vertex.

2. Shew, without proof, how to make a parallelogram equal to a given triangle, with one of its angles equal to a given angle.

3. A line BC is bisected in D, and produced B — D — C — F to any point F. Prove  $BF \cdot FC + DC^2 = DF^2$ . (By the division of the line, if you can.)

4. Using your knowledge of Euclid, Book II, show that the square of the side of a triangle is greater than, equal to, or less than the sum of the squares of the other sides, according as, etc. Complete the statement, and illustrate by diagram. (Without proof.)

5. In a circle, chords equidistant from the centre are equal.

6. If from an external point two lines be drawn, of which one cuts the circle and the other meets it, and if the rectangle of the segments of the cutting line be equal to the square of the meeting line, then is this last line a tangent to the circle.

7. Equal parallelograms on the same base are between the same parallels.

8. If the diagonals of a parallelogram are equal, the angles opposite to them are unequal, the greater being opposite the obtuse angle, etc.

9. Divide a straight line internally into two parts so that their rectangle may be the greatest possible.

10. AB is divided in "medial section" in C: *i. e.*, so that  $A \text{---} C \text{---} B$ .  $AB \cdot BC = AC^2$ . Prove  $AB^2 + BC^2 = 3 AC^2$ . (Euc. : II. 7.)

11. ABC is a triangle surrounded by a circle. Prove that the sum of the angles in the segments of the circle outside of the triangle is equal to four right angles.

12. CQ, CT are tangents to a circle, centre O. Prove that the angle CQT is bisected by QF.

ARITHMETIC.

(a) 1. The nominal value of a share in a certain company being \$100, a broker bought stock at 5 per cent. *below par*, and after a fortnight sold the same stock at  $7\frac{1}{2}$  *above par*, gaining \$300 by the transaction. How many shares did he buy?

2. A sportsman whose three special friends were A, B, and C, caught a large fish, and sent A  $\frac{5}{16}$  of it, B  $\frac{1}{8}$  and C  $\frac{5}{12}$ , keeping for himself the remainder, which weighed  $3\frac{1}{4}$  lbs. What did the fish weigh?

3. What fraction is 64 ft, 4 in. of 52 yds., 2 ft., 4 in.?

4. Explain the difference between *true discount* and *banker's discount*.

5. If the Denominator of a Vulgar Fraction (expressed in lowest terms) be any prime number except 2 or 5, the length of the period, when it is reduced to a Decimal is the same, whatever the numerator may be. Prove.

6. Prove, by Arithmetical induction, that a Decimal Fraction, such as  $.5\bar{8} = \frac{58}{99}$ .

ALGEBRA.

(β) 7. Divide  $a^{\frac{2x}{3}} - b^{\frac{2x}{3}}$  by  $a^{\frac{x}{3}} - b^{\frac{x}{3}}$ , and express, in simplest form:  $(x^3)^{\frac{1}{2}} \times (-(-x)^2)^{\frac{1}{2}}$ .

8. If  $s = \frac{a+b+c}{2}$ , prove  $\frac{1}{s-a} + \frac{1}{s-b} + \frac{1}{s-c} = \frac{abc}{s(s-a)(s-b)(s-c)}$ .

9. Shew that  $(\sqrt{-1})^{4m+1} = \sqrt{-1}$ ,  $m$  being any positive integer.

10. Reduce, if possible, to lower terms,  $\frac{\alpha^4 + 3\alpha^3 - 7\alpha^2 - 21\alpha - 36}{\alpha^4 + 2\alpha^3 - 10\alpha^2 - 11\alpha - 12}$ .

11. If  $\sqrt{x}$  and  $\sqrt{y}$  are different surds, prove  $m\sqrt{x} + n\sqrt{y} = a$ , a finite number, is impossible.  $m$  and  $n$  being integers.

12. Solve the equation:  $\frac{x + \sqrt{n^2 - 1}}{x - \sqrt{x^2 - 1}} = \frac{a}{b}$ .

13. Find the values of  $x$  in the equation,  $9x^2 - \frac{x}{4} - 574 = 0$ .

14. The product of the roots of the equation,  $x^2 + px + q = 0$ , is 28; and their difference is 3, write the equation with numerical coefficients.

Not more than *four* of (a) and *six* of (β) to be attempted.

## HISTORY AND GEOGRAPHY.

*Examiner* ..... PRESIDENT FORREST.

TIME: THREE HOURS.

*(Candidates for Matriculation only may omit any two questions in each section.)*

## ENGLISH HISTORY.

1. What parts of our system of government come to us particularly from the Anglo-Saxons?
2. Give a brief account of the reign of Henry V.
3. What circumstances tended greatly to the extension of commerce during the latter half of the 15th century?
4. Give some of the dates at which great changes took place in the English Constitution?
5. What is the Habeas Corpus Act? When was it passed? Mutiny Act? Conventicle Act? Free Mile Act?
6. Write brief notes on Battles of Agincourt, Culloden Moor, Dunbar, Flodden, Waterloo, Balaklava, Alma.
7. What was the Act of Settlement? (1701.)

## CANADIAN HISTORY.

1. When was Port Royal founded by French? When captured by English?
2. Give an account of the massacre of Lachine, 1689.
3. Write a brief historical account of Louisburg.
4. Write a brief account of the union of the Provinces. When first suggested? When carried into effect?
5. Massacre of Grand Pre. Write account.

## GEOGRAPHY.

1. Give as nearly as you can the latitude and longitude of St. Petersburg, Canton, Cairo, Philadelphia, Ottawa, Winnipeg.
2. If you went round the world on the same parallel of latitude as Halifax what countries and bodies of water would you cross?
3. What are the chief products of Jamaica? Trinidad? Cape Colony? Mexico? Italy? Norway?
4. What is the population of Sweden? France? Great Britain? German Empire? Cuba? Japan?
5. Bound Austria, Belgium, Mexico, State of Ohio, New Jersey, New Brunswick.
6. Locate New Orleans, Pekin, Copenhagen, Antwerp, Dantzic, Dundee.



\* TIME TABLE—FACULTY OF LAW.

<i>Hours.</i>	<i>Monday.</i>	<i>Tuesday.</i>	<i>Wednesday</i>	<i>Thursday.</i>	<i>Friday.</i>
9 to 10.....	Shipping .....	Const. History...	Const. Law .....	Const. History . . .	Const. Law.
10 to 11 .....	Conflict of Laws...	Crimes .....	Crimes .....		International Law.
11 to 12 .....	.....	Conflict of Laws....	Sales .....	} Moot Court .....	Equity.
12 to 1.....	.....	.....	Contracts .....		Contracts.
4.30 to 5.30 .....	RealProperty, 1st yr.	RealProperty, 2nd yr.	Procedure .....	Evidence .....	Torts.
8 to 9 .....	.....	.....	.....	.....	.....

\* Subject to alteration.

