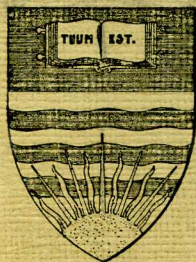


CALENDAR
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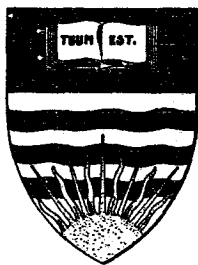
THIRD SESSION
1917-18



VANCOUVER, BRITISH COLUMBIA
1917

CALENDAR
OF THE
University
of
British Columbia

THIRD SESSION
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VANCOUVER, BRITISH COLUMBIA
1917

VICTORIA, B.C. :

Printed by WILLIAM H. CULLIN, Printer to the King's Most Excellent Majesty.
1917.

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1917-18

THE UNIVERSITY OF BRITISH COLUMBIA.

VISITOR.

The Honourable FRANK STILLMAN BARNARD, Lieutenant-Governor of British Columbia.

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Superintendent of Education, ALEXANDER ROBINSON, Esq., B.A., LL.D.

The Chancellor.

The President (Chairman).

(b.) Dean of the Faculty of Agriculture, LEONARD S. KLINCK, M.S.A.

Dean of the Faculty of Applied Science, REGINALD W. BROCK, M.A., F.G.S., F.R.S.C.

Dean of the Faculty of Arts, G. E. ROBINSON, B.A.

Dean of the Faculty of Forestry.

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Representatives of the Faculty of Applied Science, Dr. J. G. DAVIDSON, _____.

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Prof. H. CHODAT.
- Representative of the Faculty of Forestry.
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The Hon. D. M. EBERTS, K.C., Victoria, B.C.
- (d.) The Principal of Vancouver Normal School, Wm. BURNS, Esq.,
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The Principal of Victoria Normal School, D. L. MACLAURIN,
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- (f.) Representative of Provincial Teachers' Institute.
- (g.) Representative of Affiliated Colleges.
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- GEORGE E. ROBINSON, B.A. (Dal.), Dean of the Faculty of Arts and
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- F. DALLAS, Business Agent.

Department of Agronomy.

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P. A. BOVING, Cand. Phil. (Malmo, Sweden), Cand. Agr., Alnarp Agric. (Sweden), Assistant Professor of Agronomy.

Department of Animal Husbandry.

- J. A. McLEAN, B.A. (McMaster), B.S.A. (Ames), Professor of Animal Husbandry.

Department of Bacteriology.

- F. F. WESBROOK, M.A. (Man.), M.D., C.M. (Man.), Professor of Bacteriology.

Department of Biology.

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JOHN DAVIDSON, F.L.S., F.B.S.E., Demonstrator in charge of Herbarium and Botanical Garden.

Department of Chemistry.

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Department of Civil Engineering.

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W. H. POWELL, B.Sc. (McGill), Special Field Instructor.

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S. J. WILLIS, B.A. (McGill), Associate Professor of Classics.
R. E. MACNAGHTEN, B.A. (Cantab.), Assistant Professor of Greek.
H. T. LOGAN, B.A. (McGill and Oxon.), Instructor in Classics (absent on leave, overseas service).

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- THEODORE H. BOGGS, B.A. (Acadia and Yale), M.A., Ph.D. (Yale), Assistant Professor of Economics.

Department of English.

J. K. HENRY, B.A. (Dal.), Assistant Professor of English.
 FREDERICK G. C. WOOD, B.A. (McGill), M.A. (Harvard), Assistant
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Department of Geology and Mineralogy.

R. W. BROCK, M.A. (Queen's), F.R.S.C., Professor of Geology
 (absent on leave, overseas service).
 STUART J. SCHOFIELD, M.A. (Queen's), B.Sc., Ph.D. (M.I.T.), Acting
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 EDWIN T. HODGE, M.A. (Minnesota), Ph.D. (Columbia), Assistant
 Professor of Geology.

Department of History.

MACK EASTMAN, B.A. (Tor.), Ph.D. (Columbia), Assistant Professor
 of History (absent on leave, overseas service).
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Department of Horticulture.

F. M. CLEMENT, B.S.A. (Guelph), Professor of Horticulture.

Department of Mathematics.

GEORGE E. ROBINSON, B.A. (Dal.), Associate Professor of Mathe-
 matics.
 E. H. RUSSELL, B.A. (Queen's), Assistant Professor of Mathematics.
 THOMAS PATTISON, M.A. (Glasgow), Assistant Professor of Mathe-
 matics.
 E. E. JORDAN, M.A. (Dal.), Instructor in Mathematics (absent on
 leave, overseas service).
 LEONARD RICHARDSON, B.Sc. (London), Instructor in Mathematics.

Department of Mechanical Engineering.

L. KILLAM, M.A. (Mt. Allison), B.Sc. (McGill), Assistant Professor
 of Mechanical Engineering.
 G. A. BOOTH, B.S. (Col.), Instructor in Mechanical Engineering.

Demonstrators.

J. M. GOODWIN, Draughting.
 H. TAYLOR, Machine-work and Blacksmithing.
 S. NORTHROP, Wood-working.
 J. ROBB, Moulding.

Department of Military Training.

(Canadian Officers' Training Corps.)

Names submitted and approved for commission, C.O.T.C.:—
 To be Provisional Major—Captain F. F. Westbrook, 107th Regi-
 ment:

To be Captain—Captain E. E. Jordan, from McGill University College Contingent (absent on leave, overseas service):

To be Lieutenant—Lieutenant H. T. Logan, from McGill University College Contingent (absent on leave, overseas service).

Captain L. A. Elliott, 72nd Seaforth Highlanders, Adjutant.

Lieutenant S. J. Schofield, 3rd Field Company, Canadian Engineers, of Ottawa (absent on leave, overseas service).

Department of Mining and Metallurgy.

J. M. TURNBULL, B.A.Sc. (McGill), Professor of Mining and Metallurgy and Head of the Department.

Department of Modern Languages.

H. ASHTON, B.A. (Cantab.), DèS L. (Univ. Paris), D.Litt. (Birmingham), Officier de l'Instruction Publique (France), Associate Professor of French.

HENRI CHODAT, M.A. (McGill & Harvard), Assistant Professor of Modern Languages.

ISABEL MACINNES, M.A. (Queen's), Instructor in Modern Languages.

J. ULRICK RANSOM, B.A. (London), Tutor.

Department of Philosophy.

JAMES HENDERSON, M.A. (Glasgow), Assistant Professor of Philosophy.

Department of Physics.

J. G. DAVIDSON, B.A. (Tor.), Ph.D. (Cal.), Associate Professor of Physics.

T. C. HEBB, B.Sc., M.A. (Dal.), Ph.D. (Chicago), Assistant Professor of Physics.

P. H. ELLIOTT, M.Sc. (McGill), Instructor in Physics.

ACADEMIC YEAR, 1917-18.

1917. Monday, August 27th.	} Supplemental Examinations in Applied Science begin.
Wednesday, August 29th.	} Summer School in Surveying opens.
Monday, September 17th.	} Supplemental Examinations in Arts begin. Matriculation Examinations begin. Registration begins.
Friday, September 21st.	} Last day for Registration.
Monday, September 24th.	} Meeting of the Faculty at 10 a.m.
Tuesday, September 25th.	} Lectures begin.
Wednesday, October 10th.	} Meeting of the Senate.
Wednesday, December 12th.	} Meeting of the Senate.
Thursday, December 13th.	} Last day of Lectures for Term.
Saturday, December 15th.	} Examinations begin.
Friday, December 21st.	} Examinations end.
Friday, December 28th.	} Meeting of the Faculty at 10 a.m.
1918. Monday, January 7th.	} Second Term begins.

Wednesday, February 13th.	} Meeting of the Senate.
Friday, April 5th.	} Last day of Lectures.
Wednesday, April 10th.	} Sessional Examinations begin.
Saturday, April 27th.	} Meeting of the Faculty at 10 a.m.
Wednesday, May 1st.	} Meeting of the Senate.
Thursday, May 2nd.	} Congregation.
Monday, June 24th.	} Matriculation Examinations begin.

JUNIOR MATRICULATION EXAMINATION TIME-TABLE.

SEPTEMBER, 1917.

Date.	Subject.	A.M.	Subject.	P.M.
Monday, Sept. 17th	History	9 to 11	English Literature	1 to 3
Tuesday, Sept. 18th	Latin Authors and Sight	9 to 11	German Translation	3 to 5
Wednesday, Sept. 19th	French Translation	9 to 11	Latin Grammar and Composition	1 to 3
Thursday, Sept. 20th	Geometry, Part I.	9 to 11	Trigonometry	1 to 3
Friday, Sept. 21st	Algebra, Part I., and Arithmetic	9 to 11	French Grammar	1 to 3
			Physiography	1 to 3
			Chemistry	1 to 3
			German Grammar	1 to 3
			English Composition	1 to 3
			Geometry, Part II.	3 to 5
			Greek Composition and Sight	3 to 5
			Botany	3 to 5
Saturday, Sept. 22nd	Algebra, Part II.	9 to 11	Agriculture	2 to 4
	Greek Authors	9 to 11		
	Physics	9 to 11		

EXAMINATION TIME-TABLES.

Faculty of Arts, Supplemental Examinations, September, 1917.

Date.	Hour.	Supp. to First Year Sessional.	Supp. to Second Year Sessional.	Supp. to Third Year Sessional.
Monday, Sept. 17..	9	Trigonometry	English Literature.	English Literature.
	2	Algebra	English Composition.	English Composition.
Tuesday, Sept. 18..	9	Latin Books.	Latin Books.	Latin Books.
	2	Latin Composition, Sight Translation and History.	Latin Composition, Sight Translation, History, and Literature.	Latin Composition, Sight Translation, English Literature.
Wednesday, Sept. 19	9	French.	French.	French.
	2	French.	French.	
Thursday, Sept. 20	9	English Literature.	Chemistry. Geology.	
	2	English Composition and History.	Psychology.	
Friday, Sept. 21...	9	Geometry.	Greek Books. Logic. German.	
	2	Physics.	Greek Composition, Sight Translation. German.	
Saturday, Sept. 22	9	Greek Books. German.	Solid Geometry and Conics.	
	2	Greek Composition, Sight Translation and History. German.	Algebra.	

1917-18

The University of British Columbia.

HISTORICAL SKETCH.

The establishment of a University in British Columbia was first advocated by Superintendent Jessop in 1877, when he called public attention to the urgent need for providing the youth of the Province with an education which would adequately equip them for their various activities in the life of the Province. It was several years, however, before active steps were taken in this direction.

In 1890 the Provincial Legislature passed an Act establishing a body politic and corporate named the University of British Columbia. The first Convocation was held in Victoria on August 26th, 1890, when the Hon. John Robson, Provincial Secretary, presided. There were present seventy certified members of Convocation, who elected three members of Senate.

In 1891 the Act was amended by the addition of a clause requiring a meeting of the Senate to be held within one month after the election of Senators by Convocation. The Senators having been elected on June 2nd, the Chancellor, Dr. I. W. Powell, of Victoria, called a meeting of Senate for July 2nd. A quorum failed to assemble, and the first attempt to establish a University proved futile.

There being no immediate prospect of a Provincial University, some friends of higher education conceived the idea of bringing a university education—at least in part—within the reach of the youth of the Province by establishing relations with some one of the existing Canadian universities.

Owing to their efforts, an Act was passed in 1894 which empowered the affiliation of high schools in the Province to recognized Canadian universities; and this was supplemented in 1896 by an Act providing for the incorporation of affiliated high schools as colleges of the universities to which they were affiliated.

Under these enactments, Vancouver High School was admitted to affiliation with McGill University for the first year in Arts, and

began University work under the name of Vancouver College in the year 1899. (The man to whom more than any other the credit is due for the inauguration and successful organization of the scheme of affiliation was the late Mr. J. C. Shaw, M.A., formerly Principal of Vancouver High School, and later Principal of Vancouver College, and of McGill University College.)

In 1902 an extension of affiliation was granted to cover the second year in Arts, and in the same year Victoria High School also became affiliated to McGill University for the first year in Arts under the name of Victoria College.

As the work grew, still closer connection with McGill University became necessary, and in 1906 an Act was passed incorporating the Royal Institution for the Advancement of Learning of British Columbia. In the same year the Royal Institution established at Vancouver the McGill University College of British Columbia, taking over (by agreement with the Vancouver Board of School Trustees) the Arts work previously done by the Vancouver College, increasing the number of options allowed, and adding two years of Applied Science.

In 1908 the course was further extended to include the third year in Arts.

In 1907 Victoria College came also under the control of the Royal Institution as a part of the McGill University College of British Columbia, with power to give courses in the first two years in Arts.

The instruction given was similar to that of McGill University, the standards were identical, and the University examined and accepted the undergraduates *ad eundem statum*.

During the last year of its existence the McGill University College enrolled 292 students at Vancouver and 70 at Victoria.

These institutions were maintained mainly by grants from the School Boards of Vancouver and Victoria, supplemented in the earlier stages by contributions from Sir William Macdonald, of Montreal, and many public-spirited citizens of British Columbia, and later by grants from the Provincial Government, the City of Vancouver, and the University of British Columbia.

When the University of British Columbia opened its doors in the fall of 1915 these colleges ceased to exist, and at the same time the connection of the Province with McGill University in

higher education—a connection which had existed for a period of sixteen years and was alike creditable to McGill and advantageous to the Province—was also brought to a close.

Meanwhile efforts for the establishment of a Provincial University had been renewed, and in 1907 the Hon. Dr. H. E. Young, Minister of Education, took definite steps to establish a University by introducing a "University Endowment Act," which was passed by the Legislature. By this Act (slightly amended in 1911 and 1913) the setting apart of 2,000,000 acres of land, by way of University endowment, was authorized.

Constitution of Present University.

In 1908 an Act establishing and incorporating the University of British Columbia and repealing the old Act of 1890-1 was passed. The Act of 1908 provides:—

That the University shall consist of a Chancellor, Convocation, Board of Governors, Senate, and the Faculties; that the first Convocation shall consist of all graduates of any university in His Majesty's dominions resident in the Province two years prior to the date fixed for the first meeting of Convocation, together with twenty-five members selected by the Lieutenant-Governor in Council. After the first Convocation it shall consist of the Chancellor, Senate, members of the first Convocation, and all graduates of the University; that the Chancellor shall be elected by Convocation; that the Board of Governors shall consist of the Chancellor, President, and nine persons appointed by the Lieutenant-Governor in Council; that the Senate shall consist of: (a) The Minister of Education, the Chancellor, and the President of the University, who shall be Chairman thereof; (b) the deans and two professors of each of the Faculties elected by members of the Faculty; (c) three members to be appointed by the Lieutenant-Governor in Council; (d) the Superintendent of Education, the principals of the normal schools; (e) one member elected by the high-school principals and assistants who are actually engaged in teaching; (f) one member elected by the Provincial Teachers' Institute organized under subsection (e) of

section 8 of the "Public Schools Act"; (*g*) one member to be elected by the governing body of every affiliated college or school in this Province; (*h*) fifteen members to be elected by Convocation from the members thereof:

That the University shall be non-sectarian:

That instruction in Arts shall be free to all regular students matriculated in the University:

That women students shall have equality of privilege with men students:

That no other university having corporate powers capable of being exercised within the Province shall be known by the same name, or have power to grant degrees.

Instruction.

The Act of 1908 (consolidated August 2nd, 1912) provides for:—

- (*a*.) Such instruction in all branches of a liberal education as may enable students to become proficient, and qualify for degrees, diplomas, and certificates, in Science, Commerce, Arts, Literature, Law, Medicine, and all other branches of knowledge; (*b*) such instruction especially, whether theoretical, technical, artistic, or otherwise, as may be of service to persons engaged in the manufactures, or the mining, engineering, agricultural, and industrial pursuits of the Province; (*c*) facilities for the prosecution of original research in Science, Literature, Arts, Medicine, Law, and especially the applications of Science; (*d*) such fellowships, scholarships, exhibitions, prizes, rewards, and pecuniary and other aids as shall facilitate or encourage proficiency in the subjects taught in the University, and also original research in every branch; (*e*) such extra-collegiate and extra-university instruction and teaching as may be recommended by the Senate.

Selection of a Site.

Under authority of an Act passed by the Legislature in 1910, the Lieutenant-Governor in Council appointed a Site Commission

whose decision was to be final. The personnel of the Commission was as follows:—

Dr. R. C. Weldon, Dean of Law School, Dalhousie University, Chairman.

Rev. Canon G. Dauth, Vice-Rector, Laval University, Montreal.

Dr. Walter C. Murray, President, University of Saskatchewan.

Dr. Oscar V. Skelton, Professor of Economics, Queens University.

Dr. Cecil C. Jones, Chancellor, University of New Brunswick.

The Commission held its first meeting on May 25th, 1910, in Victoria, and after an exhaustive examination of the Province presented the following unanimous report:—

VICTORIA, B.C., June 28th, 1910.

To His Honour the Lieutenant-Governor in Council:

SIR,—The University Site Commission begs to submit the following report:—

In accordance with the provisions of the "University Site Commission Act, 1910," your Commissioners have visited and made a careful examination of the several cities and rural districts in the Province suggested as suitable University sites, and have selected as the location for the University the vicinity of the City of Vancouver.

Accompanying the main report was the following supplementary report:—

The University Site Commissioners are strongly of the opinion that the University should not be placed on a site which may in time be completely surrounded by a city. They respectfully suggest that not less than 250 acres be set apart for the University campus, and 700 acres for experimental purposes in agriculture and forestry. This is exclusive of a forest reserve for forestry operations on a large scale.

The Commissioners are of the opinion that the most suitable site is at Point Grey, unless the soils there and those of the delta land adjacent are found to be unsuitable for the experimental work of the College of Agriculture. Should Point Grey prove impossible, the Commissioners suggest: First, a site along the shore of North Vancouver, provided the tunnel and bridge are constructed; second, St. Mary's Hill, overlooking the Pitt, Fraser, and Coquitlam Rivers, provided residences are erected for the students. Central Park, though conveniently situated, will probably be surrounded by the Cities of Vancouver and New Westminster, and because of this and of the absence of outstanding scenic advantages is undesirable.

While the Commissioners are firmly convinced that it is of the highest importance to have all the Faculties of the University doing work of University grade located together, they believe that the diverse conditions of agriculture in this Province make it advisable to divide the work of agricultural education between the College of Agriculture and Schools of Agriculture of secondary grade located in different centres. The College of Agriculture should conduct researches, provide courses leading to a degree, and supervise the extension work and Schools of Agriculture. These schools should be established in conjunction with the Demonstration Farms in typical centres, and should provide short courses (extending over the winter months) of two or three years for the sons of farmers. Each school might specialize in one or more branches, such as horticulture, dairying, etc.

Similarly, Technical Evening Schools might be opened in the different coal-mining centres for the preparation of candidates for mining certificates, and in the metal-mining districts for the assistance of prospectors and others.

The Commissioners have been greatly impressed by the marvellous richness, variety, and extent of the natural resources of this Province, and by the very generous provision made for the endowment of the University; and they are of the opinion that, if the University adopts a policy of offering salaries ranging from \$3,800 to \$5,000 to its professors, it will attract men of the highest ability, who, by their scientific investigations and outstanding reputations, will not only materially aid in developing the resources of the Province, but will also place the University on an equality with the best universities of America.

In the autumn the Executive Council, after a careful survey of the sites proposed, decided to locate the University at Point Grey, the site which the Commission named as its first choice.

In 1911 the Legislature passed an Act authorizing the Lieutenant-Governor in Council to grant this site to the University. In 1913 this grant was increased by a few acres.

The site at present consists of 250 acres lying upon the extremity of the headland of Point Grey at an elevation of approximately 300 feet above the sea. The waters of the Gulf of Georgia form more than half the boundary of the site, while the remaining sides are bounded by a tract of some 3,000 acres of Government land. It is accessible by water for passenger and freight service, and is within a mile and a half of the existing electric tram service, which will be extended to the grounds. The site has now been cleared and the main campus and some of the roads have been graded.

First Convocation.

Between May 1st and July 31st, 1912, 849 members of Convocation were registered, of whom twenty-five had been appointed by the Lieutenant-Governor in Council. The first Convocation, held August 21st of the same year, chose Mr. Francis Carter-Cotton as first Chancellor of the University and elected certain Senators.

Plans for Buildings.

In February, 1912, the Hon. H. E. Young, Minister of Education, called for competitive plans which should include plans in detail of four buildings to be erected immediately, and a block plan exhibiting the completed buildings as a beautiful and harmonious scheme in keeping with the site, one of the finest in the world.

The first prize was \$5,000 and the probability of being engaged as the University architect; the second, third, and fourth, \$2,000, \$2,000, and \$1,000, respectively. The competition was closed in November, and the first prize awarded to Messrs. Sharp & Thompson, of Vancouver, by a Board of Assessors consisting of: Hon. H. E. Young, Minister of Education; F. Carter-Cotton, Chancellor; A. Arthur Cox, Samuel Maclure, and W. Douglas Carøe.

The President and Governors.

In March, 1913, the Lieutenant-Governor in Council appointed the President, F. F. Wesbrook, M.A., M.D., C.M., LL.D., and shortly after the following Governors:—

- George H. Barnard, Esq., K.C., M.P.
- Robert F. Green, Esq., M.P.
- Robert E. McKechnie, Esq., M.D., C.M.
- Robert P. McLennan, Esq.
- Lewis G. McPhillips, Esq., K.C.
- Robie L. Reid, Esq., K.C.
- S. Dunn Scott, Esq., M.A., LL.D.
- Campbell Sweeny, Esq.
- George I. Wilson, Esq.

Buildings and Grounds.

The University architects are Messrs. Sharp & Thompson, of Vancouver, B.C., who obtained the award in the competition held in 1912. In November, 1913, Dr. C. C. James, Commissioner of Dominion Agricultural Instruction, met with a Commission appointed to examine and report upon the general design for the University. A general plan was prepared by this Commission and approved by the Board of Governors.

The report accompanying the plan presented a statement of the problem to be solved and the solution proposed by the Commission, and pointed out the practical and artistic possibilities of the design. With it were submitted drawings showing the building areas for the various constituent portions of the University, and the location proposed for the buildings which are to be constructed at once. The design is a comprehensive one, and provides for the needs of an institution potentially great, the relatively small beginnings of which must be arranged with due regard for present economy and efficiency, yet in such a manner as to ensure co-ordination with a properly planned and steadily developing scheme.

The Commission consisted of:—

Dr. Thomas H. Mawson, City Planner and Landscape Artist, of London, England.

Mr. Warren Powers Laird, Professor and Head, School of Architecture, University of Pennsylvania, and Advisory Architect to the University of Wisconsin.

Mr. Richard J. Durley, late Professor and Head of the Department of Mechanical Engineering, McGill University.

Messrs. Sharp & Thompson, the University architects.

In accordance with the recommendations of the Commission's report, detailed plans and specifications are being prepared for the various buildings, and the Science Building is under construction.

This building is planned for the temporary accommodation of Physics, Chemistry, Biological and certain other Sciences, but it is intended ultimately for the sole use of Chemistry. With its equipment it is expected to cost about \$600,000.

Preparations for Work.

In 1914 the Legislature voted \$500,000 and the Government promised \$1,000,000 for the following year, thus enabling the Board to proceed with actual work on the University. The clearing of the site was completed and necessary grading done; the steel-concrete work of the Science Building was completed; the Deans of Agriculture and Applied Science and some professors were appointed, and in general the necessary preliminary preparations were made for beginning University work in the fall of 1915.

War Conditions.

Upon the outbreak of war in August, 1914, the Board of Governors, feeling that it would be shortsighted and unpatriotic to commit the public to a large capital expenditure and heavy fixed charges when every available dollar in the country might be required in the struggle to preserve the rights and liberties of free peoples, decided to withhold the contract for the completion of the Science Building, to make no further contracts or appointments to the staff, and to postpone large expenditures upon the library and grounds. By this action the grant for the year largely reverted to the Provincial Treasury, and the people were not committed to a heavy outlay in 1915.

In 1915 the Legislature voted sufficient funds to enable the University to take over and carry on the work of McGill University College, and to add a year's work to it, thus giving a complete Arts Course leading to a degree and the first three years in a course in Applied Science. Funds were also voted to enable Dean Klinck to prepare and put under cultivation a small portion of the campus to be ready for experimental work by the time agricultural classes can be undertaken.

Students at the Front.

A number of the students of the University having volunteered for the Front, certain conditions arose which were dealt with at a meeting of the Senate held on February 16th, 1916. At this meeting the following resolutions were carried with regard to the standing to be granted students enlisting for overseas service:—

- (1.) "That students who leave in their fourth year be given their degree at the end of the session.
- (2.) "That those who attend for the major part of any year be given their standing for that year.
- (3.) "That it be made possible for those who leave before the end of the first term to graduate when they have completed three full years at the University.
- (4.) "That former students of the McGill University College of British Columbia at present at the Front who would otherwise be now enrolled in the University of British Columbia be given an opportunity of enrolling as students of the University of British Columbia without payment of fees."

First Session (1915-16).

The University opened, as announced, on September 29th, 1915. Three hundred and seventy-nine students were enrolled, which, with fifty-six students at the Front, made a total student body of 434.

The students in attendance came from forty localities in British Columbia, three other Canadian Provinces, and six other countries.

A successful session was brought to a close by Congregation held on May 4th, at which forty students were granted the degree of B.A.

THE UNIVERSITY AND THE PROVINCE.

The University of British Columbia is an integral part of the public educational system of the Province. As such it completes the work begun in the public and high schools.

By prescribing a large number of studies during the first years of undergraduate work, and by leaving a wide choice under a definite system to the student during his final years, the University endeavours to give a wise measure of direction, and at the same time to encourage individual initiative and special development.

In addition to fostering the general educational interests of the Province, it is the policy of the University to render service to

its constituency through three generally recognized channels—viz., teaching, research, and extension. The University undertakes to furnish instruction in the various branches of a liberal education, and in those technical departments which are most directly related to the life and industries of the Province. That its teaching may be vitalized, and that it may do its share in contributing to the advancement of knowledge, the University aims to encourage research in all departments. When a sufficiently firm foundation has been laid in these two departments of University activity, extension work will be organized. Through this channel new truths discovered in this or in other institutions of learning will be presented in popular form in many centres throughout the Province. By this means those whose circumstances deprive them of the opportunity of attendance at the University may avail themselves of the latest contributions to knowledge, as well as of the most recent lessons of practical experience.

ENDOWMENTS.

The “University Act” of 1908 (slightly amended in 1912) provides that:—

“Any person or corporation may, with the approval of the Senate, found one or more professorships, lectureships, fellowships, scholarships, exhibitions, prizes, or other awards in the University, by providing a sufficient endowment in land or other property, and conveying the same to the University for such purposes, and every such endowment of lands or other property shall be vested in the University for the purpose or purposes for which it is given.”

THE LIBRARY.

The University Library consists of about 23,500 bound volumes and 8,000 pamphlets. It includes representative works in chemistry, classics, economics, geology, history, modern languages, philosophy, physics, technology, and a growing collection of

works of general reference. It also possesses a number of complete sets of periodical publications devoted to literature and science, and of the transactions of learned societies.

Small working reference libraries are maintained by the Chemistry, Geology, and Physics departments.

About 3,000 books were added to the Library during the past University year. The work of classification of the bound volumes in the original purchase of 1914, and of the accessions made since that time, is practically complete. The card catalogue makes available to the students almost the whole of the Library's resources. Classification of the pamphlets is proceeding, and a great proportion of this material may be referred to by the students attending the University's third session.

The facilities of the Library have been greatly improved by the addition of a new Reading Room, with accommodation for ninety readers. The former Reading Room is now utilized as an annex to the Stack Room, giving space needed for shelving of new purchases.

About 130 magazines are subscribed to by the Library, and are available for students in the Reading Room.

The Library is classified throughout on the system in use at the Congressional Library, Washington, D.C.

During the session the Library is open from 8.45 a.m. to 9 p.m.; on Saturdays from 8.45 a.m. to 5 p.m. In vacation it is open from 9 a.m. to 5 p.m., except on Saturdays, when the hours are from 9 a.m. to 1 p.m.

Books to which the Teaching Staff have specially referred their classes for consultation are placed in a "Reserved" class. These may be loaned only for periods during which the Library is closed. Other works, to the number of two, may be borrowed by students for a period of seven days, or for a shorter period should the volume be in general demand.

Works that are rare, costly, or otherwise unsuited for general circulation are loaned only under special conditions.

During the past academic year a number of valuable contributions to the Library have been made by governments, institutions, corporations, and private benefactors. Many of these presentations are of great value.

The following is a list of donations since the issue of the Calendar for 1916-17:—

THE GOVERNMENT OF GREAT BRITAIN.

Debates, House of Lords.
 Debates, House of Commons.
 Departmental Reports.
 Blue Books, etc.

THE GOVERNMENT OF THE DOMINION OF CANADA.

Senate Debates.
 House of Commons Debates.
 210 volumes, Sessional Papers.
 Departmental Reports and other Official Publications.

THE GOVERNMENT OF THE UNITED STATES.

Department of Agriculture.

Reports, Farmers' Bulletins, Monthly Crop Reports,
 Weekly Newsletter, etc.
 Also Reports and Publications of:—
 Bureau of Animal Industry.
 Bureau of Chemistry.
 Bureau of Entomology.
 Bureau of Plant Industry.
 Bureau of Soils.
 Bureau of Statistics.
 Division of Botany.
 Library.
 Office of Market and Rural Organization.
 Office of Public Roads.
 States Experimental Station Service.
 States Relation Service.
 Weather Bureau, etc.

Department of Commerce.

General Reports and Publications.
 Also Reports and Publications of:—
 Bureau of the Census.
 Bureau of Corporations.
 Bureau of Fisheries.

THE GOVERNMENT OF THE UNITED STATES—*Concluded.**Department of Commerce—Concluded.*

Bureau of Manufactures.

Bureau of Mines.

Department of Interior.

Reports and Publications.

Also Reports and Publications of:—

Bureau of Education.

Bureau of Geological Survey.

Bureau of Mines.

Forestry Branch.

Immigration Branch.

Department of Marine and Fisheries.

Reports, Bulletins, and other Publications.

Treasury Department.

Reports and Publications.

Also Reports and Publications of:—

Public Health Service.

U.S. Surgeon-General, Washington, D.C.

Catalogue of Library, 21 volumes, and other Publications.

THE GOVERNMENT OF BRITISH COLUMBIA, VICTORIA, B.C.

Statutes of British Columbia.

Departmental Reports and Publications.

UNIVERSITES & ÉCOLES FRANCAISES, PARIS.

La Science française, 2 vols.

UNIVERSITY OF CHICAGO.

Bulletins and other Publications.

UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MINN.

Les Sentiments de l'Academe Francaise sur le Cid, and other Publications.

WASHINGTON UNIVERSITY, ST. LOUIS, MO.

Report of Dedicatory Proceedings of University Medical School.

HARVARD COLLEGE LIBRARY, CAMBRIDGE, MASS.

132 volumes.

LEGISLATIVE LIBRARY, VICTORIA, B.C.

About 350 volumes, many rare and valuable, largely dealing with exploration of the North Pacific and the early history of the Pacific Coast.

JOHN CRERAR LIBRARY, CHICAGO.

Annual Reports, 15 volumes.

86 miscellaneous volumes.

LIBRARY OF CONGRESS, WASHINGTON, D.C.

Reports and other Publications.

BUREAU OF RAILWAY ECONOMICS, WASHINGTON, D.C.

Publications.

Complete and partial sets of technical magazines.

78 miscellaneous volumes.

PUBLIC LIBRARY, NEW YORK CITY.

Bulletins, 1896 to date.

163 miscellaneous volumes.

AMERICAN ASSOCIATION FOR LABOUR LEGISLATION.

Review, vols. 1-5, 1911-1915.

ASSOCIATION OF DOMINION LAND SURVEYORS, OTTAWA.

Annual Registers, 1913, 1914, 1915.

CANADA, COMMISSION OF CONSERVATION, OTTAWA.

Publications.

CARNEGIE ENDOWMENT OF INTERNATIONAL PEACE, WASHINGTON, D.C.

Diplomatic Protection. Borchard.

Other Publications.

CARNEGIE INSTITUTION OF WASHINGTON, WASHINGTON, D.C.

Publications.

FRANKLIN INSTITUTE, PHILADELPHIA.

Complete Reports, Transactions, etc., 1828 to 1916.

INTERNATIONAL JOINT COMMITTEE OF WATERWAYS.

Reports and Publications.

MICHIGAN STATE BOARD OF AGRICULTURE.

Reports.

SMITHSONIAN INSTITUTE, WASHINGTON, D.C.

Yearbook, 1915.

Bulletins, Reports, and other Publications.

U.S. NATIONAL MUSEUM, WASHINGTON, D.C.

Reports and other Publications.

DAVID BERGESON, ESQ., ROYAL SWEDISH CONSUL-GENERAL,
MONTREAL.

Sweden; historical and statistical handbook.

THEODORE BOGGS, ESQ.

Nine reprinted articles in pamphlet form on economic and historical subjects.

MONSIEUR E. CHEVALIER, ACTING CONSULAR AGENT OF
FRANCE, VANCOUVER.

Rapports Proces-Verbaux d'enquets . . . en violation du droit des gens, 3 vols.

Evidence and documents . . . Alleged German Outrages. Viscount Bryce.

Reports, Violation of the Rights of Nations, and Laws and Customs of War in Belgium.

HENRI CHODAT, ESQ.

Michel de Montaigne. Campayre.

Germany and England. Cramb.

A Scrap of Paper. Dillin.

Germany and the Germans. Collier.

Mainsprings of Russia. Baring.

My Year of the Great War. Palmer.

- HENRY CHODAT—*Concluded*.
Greek Romances. Rowland Smith.
History of Spanish Literature. Fitzmaurice Kelly.
- R. H. CLARK, ESQ.
Journal of the Chemical Industry.
Chemical Engineering, 5 vols.
- J. R. DUNLOP, ESQ.
Yearbooks of the Vancouver Canadian Club, 1910-11,
1911-12, 1912-13.
- MACK EASTMAN, ESQ.
Education and Industrial Evolution. Carlton.
- MISS E. PHILLIPS EDGE.
Journal of John Wesley, vols. 5, 6, 7.
Message of Israel. Wedgewood.
- LIONEL HAWEIS, ESQ.
Manuscripts. Reproductions. Set Photographic Negatives.
- J. K. HENRY, ESQ.
History of the Reign of Henry VII. Roger Bacon.
1st edition, 1623.
- W. H. MCINNES, ESQ.
Fortnightly Review, 5 vols.
- D. MCINTOSH, ESQ.
Journal of the American Chemical Society, vols. 23-27,
1901-1910.
Chemical Abstracts, 1907-1912, 17 vols.
Journal of Industrial and Engineering Chemistry, vols.
1-4, 1909-1912, and unbound volumes in continuations.
Transactions of the American Electrochemical Society, vols. 1-29, 1902-1916.
- J. W. MCINTOSH, ESQ.
Report of the Ontario Agricultural Commission, 1881,
with Appendices A & B, 3 vols.

HARRY MELVILLE, ESQ.

History of England. Macaulay, 5 vols.

A. ST. JOHN MILDMAY, ESQ.

The Psalms of David. (Vanderbroght's Text.)

D. B. OWENS, ESQ.

Various Scientific Publications.

E. BAYNES REED, ESQ. (deceased).

Complete and partial sets of various meteorological, astronomical, entomological, and other periodicals and pamphlets.

MISS MAY BAYNES REED.

200 volumes and a number of unbound Transactions, pamphlets, etc., principally works on astronomy and meteorology, part of the Library of the late E. Baynes Reed, Meteorologist, Victoria.

C. SCOTT SHERRINGTON, ESQ., CAMBRIDGE, ENG.

Anatomi Humani Corporis. Godefridi Bidloo. Amsterdam, 1685. (Originally owned by Nicholas Hawkesworth, pupil and associate of Sir Christopher Wren. Contains autographs of Sir Wm. Osler, Sir Walter Raleigh, Dr. G. D. Thane, Dr. D. Noel Paton, Dr. W. H. Thompson, Dr. F. Gowland Hopkins, Dr. I. M. McKay, Dr. H. R. Dean, and Dr. A. G. Levy.)

S. D. SCOTT, ESQ.

Documentary History of Education in Upper Canada, vols. 3-18, 1836-1860.

F. F. WESBROOK, ESQ.

Textbook of General Technology. Frost and Campbell.

Textbook of General Bacteriology. Jordan.

Microbiology. Marshall.

The Physician of to-morrow. Wesbrook.

MRS. H. S. WOOD.

Musical America.

DOUBLEDAY, PAGE & CO.

Joseph Conrad. Follett.

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GENERAL INFORMATION.

Degrees.

The University Act gives the University full powers to grant such degrees in the several Faculties and different branches of knowledge as the Senate may from time to time determine. The Act reserves for the University the sole right in this Province to confer degrees, except in Theology.

Courses of Study.

For the Session 1917-18 the University offers instruction in the first, second, third, and final years of the Arts Course, leading to the degree of Bachelor of Arts, which will be conferred upon those who successfully complete the course; in the first, second, and third years of Courses in Applied Science; and in the first year of a Course in Agriculture.

A fourth-year Course is offered in Chemical Engineering.

The Session.

The University year or session is divided into two terms, the first extending to the Christmas vacation, and the second from the end of the Christmas vacation to the end of the Sessional Examinations in April.

The Session of 1917-18 will begin on Tuesday, September 25th.

Two Matriculation Examinations will be held, one commencing on Monday, September 17th, 1917, and the other on June 24th, 1918.

Buildings.

Since there is no accommodation at present on the University site at Point Grey, the work for the coming session, with the exception of laboratory work in agriculture, will be conducted in buildings on the site of the Vancouver General Hospital. These consist of one large modern fire-proof building, containing class-rooms and offices, and several commodious frame buildings. These latter include separate buildings for Physics, Chemistry, Geology, and Mining, an Assembly Hall, and Workshops.

Equipment.

Laboratories and equipment are available for courses in the work undertaken. Facilities for field-work in Physical Geography, Geology and Mining exist in the immediate vicinity of Vancouver. Climatic conditions permit class excursions to be made throughout the session.

Church Attendance.

All students are expected to attend a church of the denomination to which they adhere.

Students are requested to report to the President in writing the churches which they intend to make their places of worship. The reports will be used as the basis for notification to the various churches.

Physical Examination.

In order to promote as far as possible the physical welfare of the student body, every student, on entering the University, will be required to pass a physical examination, to be conducted by, or under the direction of, a specially qualified medical practitioner.

By such an examination physical defects and weaknesses, amenable to treatment, may be discovered. The student would then be expected to apply to his physician for such remedial

measures as his case may require. The appropriate form of exercise or athletic activity will then be recommended.

Military Training.

Military training is required of all male students during the first two years of their attendance.

Board and Residence.

Good board and lodging can be obtained in the vicinity of the College buildings at a cost of from \$25 per month upwards; or, separately, board at \$20 to \$25 per month; rooms at \$5 to \$10 per month.

Lists of approved boarding-houses, accessible to the University, the moral and sanitary conditions of which are satisfactory, may be obtained from the Registrar. Requests for these should state whether they are for men or women students.

Men and women students are not permitted to lodge in the same house, unless they are members of the same family, or receive special permission from the Senate.

Student Advisers.

Upon entrance each student is assigned to a member of the Faculty, who acts as his adviser in the matter of studies. Each term the student is requested to consult his adviser concerning the choice of studies.

The special advisers for women students will be glad to give counsel and advice on any matters on which they may be consulted.

Academic Dress.

The Undergraduate's gown shall be black in colour and of the ordinary stuff material, of ankle length, and with long sleeves and the yoke edged with khaki cord. Graduate's gowns the same, without cord.

Bachelor's hood shall be of the Cambridge pattern, black bordered with the distinctive colour of the particular Faculty; the Master's hood to be lined with the same colour. The colours are, for Arts, University blue; for Science, red; for Agriculture, maize.

Chancellors's robes scarlet, Oxford D.C.L. pattern, cloth, hood scarlet lined with white swansdown.

President's robes the same.

1917-18

ADMISSION TO THE UNIVERSITY.

I. ADMISSION BY MATRICULATION EXAMINATION OR ITS EQUIVALENT.

I. REGULATIONS.

All inquiries relating to the examinations should be addressed to the Registrar.

1. A special regulation to govern admission of Matriculation students who have enlisted for overseas service:—

A Matriculation student, whose work is certified as up to standard by the Principal of his school, will be allowed to enter the First Year without further examination.

The above conditions shall also govern the admission of Senior Matriculation students to the Second Year.

2. The Regular Matriculation Examination will be held beginning June 24th, 1918, at all the centres in British Columbia at which high-school examinations are now held, that is to say: Agassiz, Armstrong, Bridgeport, Chilliwack, Cranbrook, Cumberland, Duncan, Enderby, Fernie, Golden, Grand Forks, Kamloops, Kaslo, Kelowna, Ladner, Ladysmith, Matsqui, Mission, Nanaimo, Nelson, New Westminster, Peachland, Penticton, Point Grey, Alberni, Prince Rupert, Revelstoke, Rossland, Salmon Arm, Summerland, Trail, Vancouver (Britannia, King Edward, and King George), North Vancouver, South Vancouver, Vernon, and Victoria, as well as Abbotsford, Belmont, Cloverdale, Creston, Hedley, Maple Ridge, Merritt, and Sidney, and at any other high school established during the year.

3. A second examination will be held in September, but only for extra-provincial students, and such students resident in the Province as may have been granted the privilege of taking a supplemental examination by the Matriculation Board of Examiners. It will be held only at Vancouver and Victoria.

4. Every candidate for examination is required to fill up an application form and return the same with the necessary fee

(for which see page 41) one month before the examination begins. Blank forms may be obtained from the Registrar.

5. Candidates will not be considered as having passed unless they obtain at least 50 per cent. on the aggregate and at least 40 per cent. on each paper.

This regulation applies also in the case of candidates who present certificates.

6. Candidates for admission to the Faculties of Arts and Applied Science who have failed, by a small margin, to complete the Matriculation requirements may be allowed to enter the first year as conditioned undergraduates, on the recommendation of the Committee on Admission, Standing and Courses.

This regulation applies also to candidates who seek to satisfy the Matriculation requirements by means of certificates granted by other recognized examining bodies.

7. Matriculation certificates will be issued to candidates who have passed the Entrance Examination conducted by the University, but not to those who have qualified by means of certificates, except when the greater part of the requirements have been satisfied by passing the University examination.

8. Certificates and diplomas covering the Matriculation requirements of other universities will, if submitted to the Registrar, be accepted *pro tanto* in lieu of the Matriculation Examination; i.e., in so far as the subjects and standard of the examination taken to obtain them are, to the satisfaction of the Matriculation Board, equivalent to those required for the Matriculation Examination of this University. Candidates offering certificates which are not a full equivalent will be required to pass the Matriculation Examination in such of the necessary subjects as are not covered thereby.

Intending students who wish to enter by certificates should under no circumstances come to the University without having first obtained from the Registrar a statement of the value of the certificates they hold, as many of these may lack one or more essential subjects, or the work done in a subject may not be adequate, or, again, the percentage gained may not be sufficiently high. (See Regulation 5.) Moreover, it must be remembered that a certificate may admit to one Faculty and not to another. When a diploma or certificate does not show the marks obtained in

the several subjects of the examination, it must be accompanied by an official statement containing this information.

II. MATRICULATION EXAMINATION FEES.

Junior Matriculation.

For the first examination*	\$ 5 00
For a subsequent examination, per paper	2 00
For examination of certificates, in respect of which candidates are exempted from the whole of the Matriculation Examination	2 00

Senior Matriculation.

For the first examination	\$10 00
For a subsequent examination, per paper	2 00

Matriculation Examination fees must be sent to the University Registrar at the time of application for the examination. No application will be accepted unless accompanied by the regular fee.

Certificates will be issued to successful candidates without additional fee.

III. SUBJECTS OF EXAMINATION.

FACULTY OF ARTS.

Junior Matriculation.

The subjects for Junior Matriculation (that is, for entrance into the Faculties of Agriculture and Arts) are as follows:—

1. English.
2. History and Historical Geography.
3. Mathematics: Algebra and Arithmetic, Geometry.
4. French, or German, or Latin.
5. Agriculture, or Botany, or Chemistry, or Greek, or Physics, or one of the languages in 4 not already taken.
6. One of the languages in 4 not already taken, or two of the sciences in 5 not already taken.

Greek can only be taken by students offering Latin.

* In the case of candidates who qualify on certificates, or by other examinations in all but three subjects or less, the fee will be \$3.

Senior Matriculation.

The subjects for the Senior Matriculation (that is, for entrance into the Second Year in Arts) are the subjects prescribed for the First Year in Arts. Candidates must furnish evidence of having passed Junior Matriculation, or its equivalent.

FACULTY OF APPLIED SCIENCE.

The requirements for Matriculation in Applied Science are the same as for Senior Matriculation. Students who have passed the First Year in Arts are admitted to the First Year in Applied Science without further examination.

Candidates for a Senior Matriculation certificate will not be considered as having passed unless they obtain at least 50 per cent. on the aggregate and at least 40 per cent. in every paper.

REQUIREMENTS IN EACH SUBJECT.

For Junior Matriculation.

English.

A. *Composition and Reading*.—The principles of English composition, as in Sykes' Elementary Composition, with short essays on a general subject and other subjects based on works prescribed for reading as follows: (a.) Prose (two books to be selected)—Washington Irving, *The Sketch Book* (ed. Lichfield, Ginn & Co.); Scott, *Kenilworth*; George Eliot, *Silas Marner* (ed. Witham, Ginn & Co.); Southey, *Life of Nelson* (Everyman's Library). (b.) Poetry (one to be selected)—Shakespeare, *As You Like It* (Macmillan or Ginn); Tennyson, *Gareth and Lynette* (Macmillan or Ginn).

The editions are merely recommended, not required.

The books to be selected should be read carefully, but the student's attention should not be so fixed upon details that he fails to appreciate the main purpose and beauty of the work.

Frequent practice in composition is essential.

B. *Literature* (for critical study).—Shakespeare, *Merchant of Venice* or *Henry V.*; *Poems of the Romantic Revival* (Copp, Clark Co.), omitting the selections from Coleridge and Byron.

Candidates will be expected to memorize some of the finest passages.

Two examination papers of two hours each.

Spelling will be tested by the candidate's papers in English. Examiners in other subjects will also take note of misspelled words and will report flagrant cases to the Board.

History and Historical Geography.

The essentials of European history, ancient, mediæval, and modern (to the eighteenth century), as presented by Breasted and Robinson in their "Outlines of European History," Part I. (Ginn & Company).

The geography required will be that relating to the history prescribed.

One paper of two hours.

Mathematics.

1. *Algebra and Arithmetic*.—Algebra: as in the first thirty-one chapters, and the graphical work of Articles 411 to 428, inclusive, Hall & Knight's Elementary Algebra, omitting the articles in Chap. 29 marked with an asterisk. Arithmetic: Vulgar and Decimal Fractions, Square and Cube Root, Commercial Arithmetic, Metric System.

2. *Geometry*.—Parts I., II., III., and IV. of Hall & Stevens' School Geometry.

Two papers of two hours each.

Physics.

The general principles of physics as given in any standard text-book of High School Physics. The examinations will be based on the Ontario High School Physics (Marchant & Chant), and will consist of fifteen questions distributed as follows: Mechanics and Wave-motion, 4; Heat, 3; Sound, 2; Light, 2; Electricity and magnetism, 4. Ten questions will constitute a full paper.

One paper of 2 hours.

Latin.

Texts.—Caesar, De Bello Gallico, Books 2 and 3 (Rutherford, Macmillan & Co.); and Ovid, Gleason's A Term of Ovid, lines 234-670 (American Book Co.).

Grammar.—Knowledge of grammar will be tested by translation and composition, and by questions based on the specified texts.

Translation at sight from Latin into English.

Composition.—Translation into Latin of detached English sentences and easy narrative based on the prescribed texts.

Two papers of two hours each; one on composition and grammar, the other on prescribed texts and translation at sight.

NOTE.—The Roman method of pronouncing Latin is recommended.

The examination in grammar will be especially concerned with the regular forms of the noun and verb.

The paper in composition will include, in addition to the rendering of sentences not previously seen by the candidate, the reproduction of sentences from Macnaghten's Phrase Book—in the latter part absolute accuracy will be demanded.

Greek.

Lessons 1-54 of White's First Greek Book (Ginn & Co.).

One paper of two hours.

NOTE.—This course can be covered successfully in one year.

French.

Grammar.—Candidates will not be required to state in writing grammatical rules or to reproduce tables of verbs, regular or irregular. They will be expected to have a thorough *practical* knowledge of French accidence and of such points of syntax as are of frequent occurrence in ordinary prose style.

This knowledge will be tested by asking candidates to modify sentences given, to fill in words necessary to complete sentences, or to change infinitive to the tense required by the context. They may be asked to form sentences from elements given.

The book recommended is *Siepmann's Primary French Course, Part II.* (Macmillan Co., Canada).

Translation at sight into English of a French passage of moderate difficulty, dealing with French life, trades, industries, history travel. A knowledge of useful words is required.

Translation of English into French of detached sentences—chiefly common idioms (not rare idioms and little used proverbs)

and an easy English passage. The latter may be a dialogue. It will be selected with a view to testing the candidate's knowledge of French, not of grammatical exceptions.

Two papers of two hours each.

German.

Reading and speaking.

Candidates will be expected to have a fair knowledge of German sounds and pronunciation. They must be able to read with ease German prose or verse of ordinary difficulty and to answer correctly in German simple questions based on the reading prescribed.

Grammar.—They will be expected to have a thorough *practical* knowledge of German accidence and of such points of syntax as are of frequent occurrence in ordinary prose style.

This knowledge will be tested by asking them to modify sentences given, to fill in words necessary to complete sentences, or to change uninflected words to forms required by context, etc.

Translation at sight into English of a German passage of moderate difficulty, dealing with German life, ways, and customs. A knowledge of useful words will be required.

Translation into German of detached English sentences and of an easy English passage. A knowledge of simple idiomatic and colloquial German expressions will be required.

Books recommended: (a) *Siepmann, Primary German Course* (Macmillan); (b) *Allen, German Life*, (Holt); (c) *Goebel, Rübzahl* (Macmillan).

N.B.—Teachers should insist upon correct pronunciation, and use the language as much as possible in class instruction.

Two papers of two hours each.

Chemistry.

As in Waddell's *A School Chemistry* (Macmillan).

One two-hour paper.

Botany.

Upon application of schools giving a matriculation course in Botany, the following outline of the course will be supplemented by supplying lists of British Columbia plants which may be used

in illustration and with specific references to sections in the books mentioned below.

Emphasis is placed upon comprehension of principles rather than mastery of detail, and upon observation rather than book knowledge.

A. Plant Structures and the Part taken by each in carrying on Life Processes.

1. *Root.*

- (a.) Anchorage; forms of roots in relation to anchorage.
- (b.) Food storage; examples of food storage in roots.
- (c.) Absorption of food materials from the soil; root-hairs; osmosis experiment.

2. *Stem.*

- (a.) Support of leaves and flowers; forms of stems considered in this relation.
- (b.) The conduction of food and food materials; the general structure of the stem and its relation to conduction.
- (c.) Storage of food; examples.

3. *Leaves.*

- (a.) Manufacture of food from raw food materials; experiments to illustrate; the importance of light; the light relation of leaves.
- (b.) Food storage; examples.
- (c.) Transpiration of water; experiments to illustrate.

4. *Flower.*—Reproduction; the parts of a flower; the structure and rôle of each; structures related to pollination.

5. *Seed.*

- (a.) Food storage; and
- (b.) Protection of young plant during its dormant period; the structure of the bean-seed and corn.

6. *Fruits.*

- (a.) Protection; and
- (b.) Dispersal of seeds; classification of fruits on these bases.

B. *Plants in Relation to their Environment.*

1. *Plant Associations.*—Based upon conditions of temperature, amount of available water, light intensity, nature of soil.
2. *Modifications* in form and structure of roots, stems, and leaves in response to conditions.
3. *The Interrelation of Plants and Animals.*—Insect pollination; distribution of seeds.
4. *Movement responses;* growth movements; “day and night” movements; the sensitive plant.

C. *Classification of Plants.*

1. *Thallophytes.*—Recognition of algæ (green, red, brown), lichens, fungi.
2. *Bryophytes.*—Moss; description of plant.
3. *Pteridophytes.*—Recognition of Horsetails and Lycopods; description of a fern.
4. *Spermatophytes.*
 - (a.) *Gymnosperms.*—Conifers; at least five examples. Study of leaves, cones, and general habit.
 - (b.) *Angiosperms.*—Familiarity with the local flora; particularly examples of the following families: (*Monocotyledons*) Gramineæ, Liliaceæ. (*Dicotyledons*) Salicaceæ, Rosaceæ, Leguminosæ, Umbelliferæ, Ericaceæ, Dabiataæ, Compositæ.

A collection is recommended.

D. *Economic Plants.*—Native of British Columbia.

Reference Books.—Bergen and Caldwell: Practical Botany (Ginn & Co.). This book is recommended as most nearly fulfilling text-book requirements.

Coulter, Barns & Cowles: Text Book of Botany, Vols. I. & II. University of Chicago Press.

Ganong: A Text Book of Botany. (Macmillan, 1916.)

Curtis: Nature and Development of Plants. (H. Holt, 1915.)

Henry: Flora of Southern British Columbia. (Gage, 1915.)

One paper of two hours.

Agriculture.

Soil Studies.—Origin and classification; water, air, and bacteria in soil; drainage; drainage surveys; physical analysis; composition; plant-foods; humus and fertilizers.

Soil Management.—Tillage, manuring and rotation of crops; humid and dry farming.

Vegetable Gardening.—Hot beds and cold frames; their preparation and use; selection of garden seeds; choice of varieties; cultural methods.

Small Fruits.—Origin and evolution; soil and cultural requirements; picking and marketing.

Landscape Gardening.—Plans for beautifying home and school grounds; making and care of lawns, walks, and flower beds; best adapted ornamental trees, shrubs, and flowering plants.

Orcharding.—Origin, history, and adaptability of standard varieties; location, planting, and management; harvesting and marketing.

Insect Study.—Identification and life-history of field, garden, and orchard insects; remedial measures.

Field Crops.—Selection, cultivation, harvesting, and disposition.

Live Stock.—Necessity of live stock in good farming; history, adaptability, and management of the principal classes.

Poultry.—Breeds, housing, feeding, and management.

Rural Economics.—Laws relating to agriculture; agricultural organization; co-operative associations; the country-life movement.

One paper of two hours.

SENIOR MATRICULATION.

The subjects for Senior Matriculation are as follows:—

1. English and History.
2. Mathematics (Algebra, Geometry, and Trigonometry).
3. Physics.
4. Two of the following: Chemistry, French, German, Greek, Latin.

REQUIREMENTS IN EACH SUBJECT.**English.**

1. *Literature.*—As in English, I. (page 70).

One paper of three hours.

2. *Composition*.—Fundamental principles. Regular practice in composition is essential.

One paper of three hours.

History.

As in History, I. (page 74).

One paper of three hours.

Mathematics.

Plane and Solid Geometry.—As in Mathematics, I. (page 75).

One paper of three hours.

Algebra.—As in Mathematics, I. (page 75).

One paper of three hours.

Trigonometry.—As in Mathematics, I. (page 76).

One paper of three hours.

Physics.

As in Physics, I. (page 81).

One written paper of three hours and practical examination.

Chemistry.

As in Chemistry, I. (page 65).

One written paper of three hours and practical examination.

French.

As in French, I. (pages 76 and 77).

Two papers of three hours each.

German.

As in German, I. (pages 78 and 79).

Two papers of three hours each.

Greek.

As in Greek, I. (page 67).

Two papers of three hours each.

Latin.

As in Latin, I. (page 68).

Two papers of three hours each.

ADMISSION TO ADVANCED STANDING.

A student of another university applying for exemption from any subject or subjects which he has already studied is required to submit with his application a Calendar of the University in which he has previously studied, together with a complete statement of the course he has followed and a certificate of the standing gained therein. The Faculty will determine the standing of such a student in this University.

AGE OF ADMISSION.

Except under special circumstances, no student under the age of sixteen is admitted to the First Year Courses in Arts or Applied Science, or under the age of seventeen to the Second Year.

REGISTRATION AND ATTENDANCE.

I. Registration.

APPLICATION FOR ADMISSION.

Those who intend to register as students of the University for the Session 1917-18 are required to make application to the Registrar at least two weeks before the beginning of lectures, on forms to be obtained from the Registrar's office.

Between September 17th and September 21st, both dates inclusive, students may register for the Session 1917-18 at the office of the Registrar. Friday, September 21st, will be the last day of registration for all students. Lectures will commence on Tuesday, September 25th. The complete regulations regarding registration follow:—

1. Candidates entering on a course of study in any Faculty, whether as undergraduates, conditioned students, or partial students, are required to attend at the office of the Registrar, some time during the week preceding the opening day of the session, in order to furnish the information necessary for the University records, to register for the particular classes which they wish to attend, and to sign the following declaration:—

"I hereby accept and submit myself to the statutes, rules, regulations, and ordinances of the University of British Columbia, and of the Faculty or Faculties in which I am registered, and to any amendments thereto which may be made while I am a student of the University, and I promise to observe the same."

2. Students who for any reason have failed to register within the time specified above will be permitted to do so within a limited time thereafter, but only on payment of a fee of \$2 for late registration.

3. The Registrar is empowered to register all students whose records show that they are entitled to attend the classes applied for. To enable him to determine this, new students must present certificates at time of registration. All doubtful cases will be dealt with by the Faculty.

4. The names of those who have registered for separate classes will be sent by the Registrar to the Instructors on registration day and subsequently, as new names are received, and only those for whom cards have been received by an Instructor will be admitted to his class; except in the case of students whose standing cannot be determined at the time of registration. To these special tickets will be issued, which will give them the right of admission to classes until such time as their status is ascertained.

5. Students desiring to make a change in their choice of studies must make application to the Registrar. This application must be approved by the Committee on Courses, whereupon due notice will be sent by the Registrar to all parties concerned. No change in registration will be allowed, except under special circumstances, after the fifteenth day of the session.

6. Persons who wish to pursue courses in the University without a view to qualifying for a degree will be classified as partial students and shall not be admitted to any course until they have obtained the permission of the Instructor concerned. Their application must then be approved by the Committee.

7. In the Faculty of Arts, where there is a choice of courses, students in attendance shall be required to choose their electives for the next year before the close of the preceding session, or (in cases where this cannot be done) not later than one week before the opening of the session.

II. Attendance.

1. Students are required to attend at least seven-eighths of the total number of lectures in each course. Those whose unexcused absences exceed one-eighth of the total number of lectures in a course shall not be permitted to come up for the examination in that course, but may sit for supplemental examination; those, however, whose unexcused absences exceed one-fourth of the total number of lectures in any course must repeat the work in that course.

Excuses on the ground of illness or domestic affliction will be dealt with only by the Dean. *Medical certificates must be presented immediately on return to University work.*

2. A record will be kept by each professor or lecturer, in which the presence or absence of students will be carefully noted. This record will be submitted to the Faculty when required.

3. Credit for attendance at any lecture or class may be refused on the grounds of lateness, inattention, neglect of study, or disorderly conduct in the class-room or laboratory.

4. The following special regulations with regard to marking the attendance of students have been adopted:—

Lectures will commence on the hour, or at the conclusion of the roll-call. After the commencement of a lecture students are not allowed to enter, except with the permission of the Instructor. If permitted to enter, they will, on reporting themselves at the close of the lecture, be marked "late." Two "lates" will count as one absence. Lectures end at five minutes before the hour.

CLASSES OF STUDENTS.

There are three classes of students:—

- (1.) Undergraduates—students who have passed the Matriculation Examination and, in the case of Second Year and Third Year students, all the examinations of their course in the years below that in which they are registered.
- (2.) Conditioned undergraduates—those with defective entrance qualifications or who have failed in one or more

of the subjects of their course in the year previous to that in which they are registered.

- (3.) Partial students—comprising all those who, not belonging to one of the above classes, are taking a partial course of study. Except as provided below, such students may (subject to the approval of the Head of the Department and the Committee on Courses) attend any class without previous examination.

In order to obtain admission to the First-year class in French, intending students must have passed the University Matriculation Examination, or an equivalent examination, in that subject.

FEES.

General Regulations.

1. Fees shall be paid to the Registrar in two payments on or before October 6th and January 15th. After these dates an additional fee of \$2 will be exacted of all students in default.

2. Immediately after October 16th the Registrar shall send to the Instructors a list of the students applying for a course who have not paid their fees, on receipt of which their names shall be struck from the registers of attendance, and such students cannot be readmitted to any class except on presentation of a special ticket, signed by the Registrar, certifying to the payment of fees.

Students registering after October 6th shall pay their fees at the time of registration, failing which they become subject to the provisions of Regulation 2.

The sessional fees are:—

Registration	\$10 00
Alma Mater	2 00
Caution	5 00

All students are required to pay a registration fee annually of \$10.

At the request of the students themselves, and by the authority of the Board of Governors of the University, \$2 additional will be exacted from all students for the Alma Mater Society.

A deposit of \$5 as caution-money is required from each student. The deposit is returned at the end of the session, after deductions have been made to cover breakages, wastage, and use of special materials in laboratories, etc. In case the balance of the deposit remaining to the credit of a student falls below \$1.50, a second deposit of \$5 may be required.

Special fees are:—

A regular supplemental examination in any course, or part of a course in which separate examinations are held	\$ 5 00
Fee for special examination in any subject	7 50
Graduation fee	20 00

PRIZES, MEDALS, AND SCHOLARSHIPS.

1. General Proficiency Scholarships are open to candidates in both the Faculties of Arts and Applied Science.

2. No scholarship, medal, or prize will be awarded to any candidate who has failed to take 75 per cent. of the marks obtainable in the subject or subjects to which the award is attached.

3. No candidate will be permitted to hold more than one scholarship, but any one who would but for this provision have been entitled to a second scholarship will have his name published in the lists.

4. When the scholarship cannot be awarded for this reason to the candidate obtaining the highest number of marks, it will be granted to the candidate ranking second, provided the requisite number of marks has been obtained.

5. All winners of scholarships must attend lectures for the academic year immediately following the award. The Faculty may, upon satisfactory reasons being shown, permit a scholar to postpone attendance for a year. If at the end of a year a further postponement is necessary, special application must again be made. In every such case the payment of scholarship will be postponed in like manner.

6. The scholarships will be paid in three instalments during the session following their award, on the 15th of November, the 15th of January, and the 15th of March, and each scholar is required to send to the Registrar a certificate of attendance upon lectures at least three days before the date of each payment.

7. Winners of scholarships who desire to do so may resign the monetary value, while the appearance of their names in the University lists enables them to retain the honour. Any funds thus made available will be used for additional scholarships or student loans.

8. Scholarships, medals, and prizes will be awarded at the close of the session, and in case of Matriculation Examinations, after the June examination.

For 1918 the following scholarships, prizes, and medals will be offered:—

**ROYAL INSTITUTION FOR THE ADVANCEMENT OF
LEARNING OF BRITISH COLUMBIA SCHOLARSHIPS
AND LOANS.**

(a.) Junior Matriculation Scholarships.

Seven General Proficiency Scholarships will be awarded on the result of the Junior Matriculation Examinations, 1918.

A. One of \$150 to be awarded to the British Columbia candidate for matriculation who obtains the highest standing.

B. Six of \$100 each, one for each of the following districts, to be awarded to the candidate from each of such districts who obtains the highest standing among the candidates from the district:—

1. Victoria District.
2. Vancouver Island (exclusive of Victoria District) and Northern Mainland.
3. Vancouver District.
4. Fraser Delta (exclusive of Vancouver District, but including Agassiz).
5. Yale.
6. Kootenays.

NOTE.—*In the district from which the winner of A comes, B will be awarded to the candidate standing second.*

(b.) First-year Scholarships.

Four scholarships of \$75 each (three in Arts and one in Applied Science) will be awarded for general proficiency in the work of the First Year.

(c.) Student Loans.

A fund is provided from which a loan not to exceed \$100 may be made to a deserving student who is in need of pecuniary assistance. Application for such a loan will be addressed to the President on a form which will be supplied by the Registrar.

SUGGESTED LOCAL SCHOLARSHIPS.

The number of Junior Matriculation scholarships offered at present is quite inadequate to the needs of the Province, and opportunity is here taken to recommend a scheme for adding to their number.

This scheme is the establishment of local or district University Entrance Scholarships by City or Municipal Councils or other public bodies, as well as by private benefactors. These scholarships would be awarded by a local authority, the University reserving to itself the right of confirmation.

In the award of such scholarships, standing in the Matriculation Examination, while important, need not be the only consideration; it is desirable that regard should be had also to financial circumstances, character, and intellectual promise.

In the large universities, both of Great Britain and the United States, such district scholarships have proved a strong bond between the community and the University, have brought the University close to the life of the young, and opened up the prospect of a university education to many who would not otherwise have contemplated it.

Scholarships may be offered to students taking a particular course; in this way the study of such sciences and technical branches of knowledge as have a bearing on the industries of the district will be encouraged and native sons prepared to assist in developing the resources of the Province.

The scheme has great possibilities both for the growth of the University and the prosperity of the Province, and it is earnestly recommended to consideration.

UNIVERSITY SCHOLARSHIPS, ETC.

1. A Fellowship of the value of \$200 may be awarded to a graduate student who shows special aptitude for post-graduate studies.

2. Two Scholarships in Arts of \$75 each will be awarded to students proceeding to the Fourth Year, the award to be based on the work of the Third Year.

3. Three scholarships (two in Arts and one in Applied Science) of \$75 each will be awarded to students proceeding to the Third Year, the award to be based on the work of the Second Year.

4. A Scholarship in Agriculture of \$75 will be awarded to a student proceeding to the Second Year, the award to be based on the work of the First Year.

5. Two scholarships of \$75 each may be awarded to returned soldiers taking the work of the First Year, the award to be based on the work of the year.

6. The scholarships mentioned in the above sections will be awarded for general proficiency in the work of the respective years.

7. Two book prizes of the value of \$25 each, open to all students of the University, will be awarded for essays on special subjects, one literary and one historical or economic, to be announced at the beginning of the session.

SIR THOMAS TAYLOR PRIZES.

Two prizes of \$25. Presented by the late Sir Thomas Taylor (Session 1916-17) for essays on literary and economic subjects.

THE GOVERNOR-GENERAL'S MEDAL.

A gold medal, presented by His Royal Highness the Governor-General of Canada, will be awarded to the Arts student standing at the head of the graduating class.

THE RHODES SCHOLARSHIP.

In addition to the above scholarships, the University will award the Rhodes Scholarship assigned by the trustees of the late Mr. Cecil J. Rhodes to the Province of British Columbia.

The following are excerpts from the regulations laid down by the trustees:—

The election of scholars in Canada under the Rhodes bequest will take place each year during the month of January. The scholars will begin residence at Oxford in October of the year for which they are elected.

Each scholarship is tenable for three years, and is of the value of £300 per annum.

Candidates shall be British subjects and unmarried. They must have passed their nineteenth but not their twenty-fifth birthday on October 1st of the year for which they are elected.

An elected scholar must have reached at least the end of his sophomore or second year's work at some recognized degree-granting university or college of Canada.

Candidates may elect whether they will apply for the scholarship of the Province in which they have acquired any considerable part of their educational qualification, or that of the Province in which they have their ordinary domicile, home, or residence. They must be prepared to present themselves for examination or election in the Province they select. No candidate may compete in more than one Province, either in the same or in successive years.

Only candidates who have passed an equivalent to the Oxford Responsions Examination or those who are exempted from Responsions by the Colonial Universities' Statute are eligible for election.

In accordance with the wish of Mr. Rhodes, the trustees desire that "in the election of a student to a scholarship regard shall be had to (i) his literary and scholastic attainments; (ii) his fondness for and success in manly outdoor sports, such as cricket, football, and the like; (iii) his qualities of manhood, truth, courage, devotion to duty, sympathy for and protection of the weak, kindness, unselfishness, and fellowship; and (iv) his exhibition during school-days of moral force of character and of instincts to lead and to take an interest in his schoolmates." Mr. Rhodes suggested that (ii) and (iii) should be decided in any school or college by the votes of fellow-students, and (iv) by the head of the school or college.

Additional information will be furnished to intending candidates on application to the President of the University.

The Committee by whom the Rhodes scholar is elected is at present constituted as follows:—

President Wesbrook; Dean Klinck; Dean Robinson; Dr. Alexander Robinson (Superintendent of Education); and Chief Justice Hunter.

INFORMATION FOR STUDENTS IN ARTS.

COURSES LEADING TO THE DEGREE OF B.A.

The degree of B.A. is granted only after four sessions of classroom work from Junior Matriculation. Students who enter with Senior Matriculation may complete their course in three years.

A double course leading to the degrees of B.A. and B.Sc. (Applied Science) is offered. Information regarding this course may be obtained from the Registrar.

The curriculum as laid down in the following pages may be changed from time to time as deemed advisable by the Faculty.

FIRST YEAR.

- I. English, 1, 2.
- II. History, 1.
- III. Mathematics, 1.
- IV. Physics, 1.
- V., VI. Two of the following: Chemistry, 1; French, 1; German, 1; Greek, 1; Latin, 1.

SECOND YEAR.

- I. English, 3, 4.
- II. French, 2; or German, 2; or Greek, 2; or Latin, 2. The language must have been taken in the First Year.
- III. One subject from each of two of the following groups:—
 - A. Another language from II. if taken in the First Year.
 - B. Chemistry, 1 or 2; Geology, 1; Biology, 1; and Botany, 1.
 - C. Physics, 2; Philosophy, 1; Mineralogy, 1.
 - D. History, 2, and Economics, 1; Mathematics, 2.

THIRD AND FOURTH YEARS.

All students should select, before the end of March of their Second Year, the subjects to which they wish to give special attention during their Third and Fourth Years. In order that each student shall do a considerable amount of connected work in some one subject without erring on the side of too narrow specialization, a group system of courses has been adopted. The groups, which are as follows, include all subjects open to candidates for the B.A. degree: —

Group I.—Agriculture; Bacteriology; Biology; Chemistry; Geology and Mineralogy; Physics.

Group II.—English; French; German; Greek; Latin; Spanish.

Group III.—Economics; History; Mathematics; Philosophy.

In each of the Third and Fourth Years students are required to take at least fifteen units.

One subject taken in the Second Year must be continued through the Third and Fourth Years to the extent of not less than eight units in the last two years. The head of the department concerned should be consulted with a view to arranging a well-balanced course.

Of the remaining twenty-two units, four at least must be chosen from each of the other two groups.

	Units.
Agriculture	2
Bacteriology	2
Biology, 1	2
Botany, 1	2
" 4	2
Chemistry, 2	3
" 3	3
" 4	1
" 5	3
" 6	2
" 7	3
" 8	1
" 9	2
Economics, 1	3
" 2	3

	Units.
Economics, 3	2
" 4	2
" 5	2
" 6	2
English, 5	2
" 6	2
" 7*	1
" 8	3
" 9	2
French, 1	3
" 2	3
" 3	4
" 4	3
Geology, 1	3
" 3	4
" 4	1
German, 1	3
" 2	3
" 3	4
Greek, 1	3
" 2	3
" 3	4
History, 3	2
" 4	4
Latin, 1	3
" 2	3
" 3	4
" 4	4
Mathematics, 3	4
" 4	4
Mineralogy, 1	3
" 2, and Geology, 2	3
Philosophy, 1	3
" 2	4
Physics, 2	4
" 3	4
" 4	4

* This course must be taken by all students of the Third Year.

	Units.
Spanish	3
Zoology, 1	2
" 4	2

No credit will be given for a First Year language taken in the Third Year unless it is continued in the Fourth Year.

EXAMINATIONS IN ARTS.

1. There are two examinations in each year—one at Christmas and the other at the end of the session. Successful students are arranged in three classes as follows: First class, those who obtain 80 per cent. or more; Second class, 65 to 80 per cent.; Passed, below 65 per cent.

Christmas examinations will be held in all subjects, and are obligatory for all students.

Any student whose record is found to be unsatisfactory may at any time be required to withdraw from the University.

2. The following are the regulations for advancement to the Second, Third, and Fourth Years of the undergraduate course:—

Advancement to the Second Year.—In order that a student may proceed to the Second Year of his course, he must have completed his Matriculation, and have passed in all, or all but one, of the subjects of the preceding year.

Advancement to the Third Year.—In order that a student may proceed to the Third Year, he must have completed his first, and have passed in all, or all but one, of the subjects of the preceding year.

Advancement to the Fourth Year.—In order that a student may proceed to the Fourth Year, he must have completed all the subjects of the preceding years.

N.B.—A conditioned student will not be allowed to continue the subject in which he is conditioned, unless it is a compulsory subject.

Repeating Year.—By special permission of the Faculty, a student who is required to repeat his year may, on application in writing,—

- (a.) Be exempted from attending lectures and passing examinations in the subjects in which he has already passed:

(b.) And if so exempted, be permitted to take, in addition to the subjects in which he has failed, one of the subjects of the following year of his course.

3. Examinations supplemental to the sessional examinations will be held in September, simultaneously with the matriculation examinations. The time for each supplemental examination will be fixed by the Faculty; the examination will not be granted at any other time, except by special permission of the Faculty, and on payment of a fee of \$7.50.

4. A list of those to whom the Faculty has granted supplemental examinations in the following September will be published after the sessional examinations.

5. *Applications for supplemental examinations*, accompanied by the necessary fees, should be in the hands of the Registrar at least two weeks before the date set for the examinations.

COURSES IN ARTS.

Department of Agriculture.

Professor—Leonard S. Klinck, M.S.A.

THE SCIENTIFIC BASIS OF AGRICULTURE.

This course has been designed to familiarize the student with the basic principles underlying scientific agriculture.

Four lectures a week during the First Term.

Department of Bacteriology.

The President.

A course of General Bacteriology, consisting of lectures, demonstrations, and practical laboratory work.

The history of bacteriology, the place of bacteria in nature, the classification of bacterial forms, methods of culture and isolation, and various bactericidal substances and conditions will be studied.

Seven hours a week, including laboratory work, during the Second Term.

Department of Biology.

Assistant Professor—A. H. Hutchison, M.A., Ph.D.

Demonstrator in charge of Herbarium and Botanical Garden—Jno. Davidson, F.L.S., F.B.S.E.

Biology.

1. *General Biology*.—The course is introductory to more advanced work in Botany or Zoology; also to courses closely related to Biological Science, such as Agriculture, Forestry, Medicine.

The fundamental principles of Biology; the interrelationships of plants and animals; comparative physiology of plants and animals; general comparative anatomy; life-histories; relation to environment. The course is prerequisite to all other courses in Biology.

Six hours per week; lectures and laboratory work. First Term.

Botany.

1. *Morphology*.—(a.) General morphology of plants. A comparative study of plant structures. The relationships of plant groups. Comparative life-histories. Emphasis is placed upon the increasing complexity of plant structures, from the lower to the higher forms, involving a progressive differentiation accompanied by an interdependence of parts. Course is prerequisite to all other courses in Botany.

Six hours per week; lectures and laboratory work. Second Term.

Text-book: A Text-book of Botany, Pt. I, Coulter, Barnes & Cowles.

2. *Histology*.—Methods in plant histology. Use of microscope and camera lucida. Principles and methods of killing, fixing, embedding, sectioning, staining, mounting, drawing, reconstructing.

Seven hours per week. Second Term.

Zoology.

1. *Morphology*.—General morphology of animals. The aim and scope are similar to those as outlined for plant morphology. The course is prerequisite to all other courses in Zoology.

Six hours per week; lectures and laboratory work. First Term.

2. *Histology*.—Methods in animal histology. During the year 1917-18 the course will be given in conjunction with Botany 2.

Department of Chemistry.

Professor—D. McIntosh, M.A., D.Sc., F.R.S.C.

Associate Professor—E. H. Archibald, M.A., Ph.D., F.R.S.E.

Assistant Professor—R. H. Clark, M.A., Ph.D.

1. *General Chemistry*.—This course is arranged to give a full exposition of the general principles involved in modern Chemistry, and comprises a systematic study of the properties of the more important metallic and non-metallic elements and their compounds, and the application of Chemistry in technology.

Book recommended: General Chemistry for Colleges (Alexander Smith; Century Co.).

Three lectures and two laboratory periods of two hours each a week.

2. *Qualitative and Quantitative Analysis*.

(a.) *Qualitative Analysis*.—A course consisting of one hour of lecture or recitation and six hours of laboratory work each week throughout the First Term. During the first six weeks of the term an additional hour of lecture or recitation may be substituted for a part of the laboratory work.

(b.) *Quantitative Analysis*.—A course consisting of one hour of lecture or recitation and six hours of laboratory work each week throughout the Second Term. The course embraces the more important methods of gravimetric and volumetric analysis.

Course (b) must be preceded by Course (a).

Books recommended: Noyes' Qualitative Analysis; Cumming & Kay's Quantitative Analysis.

3. *Organic Chemistry*.—This introduction to the study of the compounds of carbon will include the methods of preparation and a description of the properties of the more important groups and compounds in both the fatty and the aromatic series. Two lectures and one laboratory period of three hours weekly.

No. 3 will only be given to those students taking No. 2, or those who have had the equivalent of No. 2.

Books recommended: Holleman-Walker, Text-book of Organic Chemistry; Gatterman, The Practical Methods of Organic Chemistry.

4. *Theoretical Chemistry*.—An introductory course on the development of modern Chemistry, including osmotic phenomena, the ionization theory, the law of mass action, and the phase rule.

Two lectures a week during the Second Term.

Text-book: James Walker, Introduction to Physical Chemistry.

5. *Advanced Qualitative and Quantitative Analysis*.

(a.) *Qualitative Analysis*.—One lecture and six hours in the laboratory throughout the First Term. The work of this course will include the detection and separation of the less common metals, particularly those that are important industrially, together with the analysis of somewhat complex substances occurring naturally.

(b.) *Quantitative Analysis*.—One lecture and six hours laboratory work per week during the Second Term. The determinations made will include the more difficult estimations in the analysis of rocks, as well as certain constituents of steel and alloys. The principles on which analytical chemistry is based will receive a more minute consideration than was possible in the elementary course.

Prerequisite: (2).

6. *Industrial Chemistry*.—Two hours of lectures per week throughout the year. These industries, which are dependent on the facts and principles of Chemistry, will be considered in as much detail as time will permit. The lectures will be supplemented by visits to manufacturing establishments in the neighbourhood, and it is hoped that some lectures will be given by specialists in their respective fields.

Prerequisites: (2) and (3).

7. *Physical Chemistry*.—The lectures, which are a continuation of those given in (4), include the kinetic theory of gases, thermo-chemistry, the application of the principles of thermodynamics to Chemistry, osmotic phenomena, applications of the dissociation theory, colloidal solutions, and a study of the physical properties of gases, liquids, and solids and of their chemical constitutions.

Two lectures and one laboratory period of three hours weekly throughout the year. Prerequisites: (2), (3), and (4).

Text-books: Bigelow, *Physical Chemistry*; Findlay, *Physico-Chemical Measurements*.

For reference: Ramsay's Series of Books on *Physical Chemistry*.

8. *Applied Electro-Chemistry*.—Solutions are studied from the standpoint of the osmotic and the dissociation theories. The laws of electrolysis, electroplating, primary and secondary batteries,

and the preparation of the elements and compounds by electrolytic methods and in the electric furnace are studied.

Two lectures weekly during the First Term.

For reference: Le Blanc, Elements of Electro-Chemistry; Thompson, Applied Electro-Chemistry; and Stanfield, The Electric Furnace.

9. *Advanced Organic Chemistry*.—Stereochemical theories will be discussed, and chemical and physico-chemical methods employed in determining the constitution of organic compounds will be studied.

The laboratory work will be arranged as far as possible to suit the requirements of the individual student. It will consist in the preparations of more complex substances than those made in (3) and special work in drug and food analysis.

One lecture and one laboratory period per week throughout the year.

Department of Classics.

Associate Professor—Lemuel F. Robertson, M.A.

Associate Professor—S. J. Willis, B.A.

Assistant Professor—R. E. Macnaghten, B.A.

Instructor—H. T. Logan, B.A. (on overseas service).

Greek.

All students taking a Greek course are recommended to provide themselves with Allen's Elementary Greek Grammar; Liddell & Scott's Greek Lexicon (abridged); Classical Atlas (Everyman's Library); Smith's Smaller Classical Dictionary (Everyman's Library).

1. *Lectures*.—Lucian, Extracts (Bond & Walpole, Macmillan); Euripides, Alcestis (Blakney, Bell's Illustrated Classics).

Composition: North and Hillard.

History: Athenian Empire (Cox, Epoch Series, Longmans).

Four hours a week.

2. *Lectures*.—Plato, Apology (Oxford Plato. Vol. I.); Aeschylus, Prometheus Vincetus (Rackham, Cambridge Univ. Press).

Composition (North and Hillard): Selected passages will occasionally be set for Unseen Translation.

History: Spartan and Theban Supremacies (Sankey, Epoch Series, Longmans).

Four hours a week.

3. *Lectures*.—Thucydides, Book VII. (E. C. Marchant, Macmillan); Sophocles, Philoctetes (Jebb & Shuckburgh, Cambridge Univ. Press); Odyssey, I.-XII. (Merry. Clarendon Press). Selections to be read in class.

History: Bury's Greek History (Second Edition, 1913), Chapters XII.-XVII.

Composition: Passages to be selected.

Latin.

All students taking Latin are expected to provide themselves with a grammar, a Latin-English dictionary, a classical dictionary, and an atlas of Ancient Geography. The following are recommended: New Latin Grammar, by Sonnenschein (Clarendon Press, 1912. N.B.—Note the exact title); Lewis' School Dictionary, or White's Junior Students' Latin-English Dictionary; "Everyman's" Classical Atlas (Dent); Smith's Smaller Classical Dictionary ("Everyman's" Library, Dent).

1. *Lectures*.—Cicero, De Senectute (Warman, Bell & Sons); Virgil, Georgic IV. (Page, Macmillan & Co.); Ovid, Elegiac Selections (Bell & Sons).

Composition: Latin Composition (Mitchell, Macmillan's Canadian School Series).

History: Rome and Carthage (Epochs of Ancient History, Longmans, Green & Co.).

Four hours a week.

2. *Lectures*.—Cicero, Pro Archia (Reid, Pitt Press); Livy, Hannibal's First Campaign in Italy (Bell & Sons); Horace, Wickham's Selected Odes (Clarendon Press); Virgil, Aeneid, Bk. VI. (Page, Macmillan).

Composition: Bradley's Arnold's Latin Prose Composition (Longmans, Green & Co.).

History: The Roman Triumvirates (Epochs of Ancient History, Longmans, Green & Co.).

Four hours a week.

3. *Lectures*.—Cicero, Selected Letters (Pritchard and Bernard, Clarendon Press); Catullus (Simpson, Macmillan); Horace, Epistles Book I. (Wilkins, Macmillan).

History: Cicero, Strachan-Davidson (Heroes of the Nations Series).

Composition: Latin Prose based on Caesar (Bryans, Macmillan).

Translation at Sight: Rivington's Unseens, Book VII.

Four hours a week.

4. *Lectures*.—Pliny, Select Letters. (Westcott, Allyn & Bacon); Juvenal (J. D. Duff, Pitt Press); Seneca, Select Letters (Summers, Macmillan & Co.).

History: Roman Empire (Stuart Jones, Story of the Nations Series).

Department of Economics.

Assistant Professor—Theodore H. Boggs, M.A., Ph.D.

Economics.

1. *Principles of Economics*.—An introductory study of general economic theory including a survey of the principles of value, prices, money and banking, international trade, tariffs, monopoly, taxation, labour and wages, the control of railways and trusts, etc.

Economics, I, is the prerequisite for all other courses in the department.

Three hours a week.

2. *Political and Economic Conditions within the Empire*.—A review of the governments of the British dominions and of suggested plans for the political reorganization of the empire, during the First Term; to be followed, in the Second Term, by a survey of the resources, industries, commerce, and tariffs of Britain and the dominions.

Three hours a week.

3. *Labour Problems and Social Reform*.—A study of the rise of the factory system and capitalistic production, and of the more important phases of trade unionism in England, Canada, and the United States. A critical analysis of various solutions of the labour problem attempted and proposed: profit-sharing, co-operation, arbitration and conciliation, scientific management, labour legislation, and socialism.

Two hours a week.

4. *Money and Banking*.—The origin and development of money. Banking principles and operations, laws of coinage, credit, price movements, foreign exchange. The history of bank-

ing in the leading countries, with particular reference to Canada. Two hours a week.

5. *Public Finance*.—This course deals with public revenues and expenditures and the administration of public funds. Some of the topics discussed are: theories of just taxation, progressive taxation, the shifting and incidence of taxation, the internal revenue system, tariffs on imports, the general property tax, income and inheritance taxes, the single tax. Particular attention is devoted to the taxation systems (federal, provincial, and local) of Canada.

Two hours a week. Not given till 1918-19.

6. *Corporation Economics*.—Historical development of the different forms of industrial organization, including the partnership, joint-stock company, and the corporation, and the later developments, such as the pool, trust, combination, and holding company. Methods of promotion and financing, over-capitalization, stock market activities, the public policy toward corporations, etc.

Two hours a week. Not given till 1918-19.

Department of English.

Assistant Professor—J. K. Henry, B.A.

Assistant Professor—F. G. C. Wood, M.A.

1. *Literature*.—Halleck's History of English Literature, new edition (American Book Company), pages 1-261, with such illustrations as time will permit, and the following readings: Chaucer's "Prologue" to the Canterbury Tales; Spencer's "Faerie Queene," Book I.; Milton's Comus (Macmillan's Pocket Classics).

Two hours a week.

2. *Composition*.—Fundamental principles; fortnightly essays, which will be taken into consideration in determining the standing of students at the end of the term.

One hour a week.

3. *Literature*.—The Romantic Movement of the Eighteenth and Nineteenth Centuries in Prose and Poetry; Victorian Literature.

Texts: (a.) Poetry, Ward's English Poets, Vols. 3 and 4 (Macmillan's Students' Edition). (b.) Prose (Everyman's Library mostly), Lamb's "Essays of Elia"; Hazlitt, "The Prize

Fight"; "People of One Idea"; "On Sitting for One's Picture"; and "Mill-Making"; De Quincey's "Confessions"; Landor's "Imaginary Conversations" (a few selections); Carlyle's "Sartor Resartus"; Borrow's "Lavengro"; Ruskin, portions of "Modern Painters" and "Munera Pulveris"; Macaulay's "Essay on History"; George Eliot's "Adam Bede"; Stevenson's "Virginibus Puerisque."

Three hours a week.

4. *Composition*.—Principles of Narration, Description, Exposition, and Argumentation. Fortnightly essays will be required, and will be taken into consideration in determining the standing of students.

One hour a week.

5. *The Drama*.—The course begins with a short study of one or two of the plays of Sophocles and an outline and development of Aristotle's dramatic criticisms, but deals mainly with the rise and development of the Elizabethan Drama, Liturgical, Miracle, and Morality Plays; Interludes; Influence of the Roman Stage; Shakespeare's predecessors—Lyly, Kyd, Green, Peele, Marlowe; Shakespeare's "Henry VI.," Pts. I. and II.; "Love's Labour's Lost"; "A Midsummer Night's Dream"; "Romeo and Juliet"; "As You Like It"; "Henry V.," "Hamlet"; "Macbeth"; and "The Tempest."

Texts (Everyman's Library): The Plays of Sophocles; Everyman: Minor Elizabethan Dramatists (two vols.); Marlowe's Plays. The Shakespearean Plays may be read in any cheap annotated edition, such as Macmillan's Pocket Classics. Students should purchase the Oxford Shakespeare (Craig).

Two hours a week.

6. *Tennyson and Browning*.—Representative Thinkers of the Victorian Period.

Tennyson: (a.) "In Memoriam," a detailed study of its various cycles of thought. (b.) "The Idylls of the King." Students are expected to read Swinburne's "The Tale of Belen," "Tristram of Lyonesse," and parts of Malory's "Morte d'Arthur."

Browning: The greater part of Browning's poems will be discussed with the purpose of illustrating his qualities as a poet and

a philosopher. Browning's Complete Poetical Works (one volume, Cambridge edition) is required.

Two hours a week. Not given 1917-18.

7. *English Composition*.—An advanced course on English Composition, including style, methods, and principles of literary criticism. Criticism will also be examined from the historical point of view. In connection with this course students will read a few prescribed texts. Essays at stated periods are required of all.

One hour a week.

Books of reference: Winchester's "Principles of Literary Criticism"; Saintsbury's "History of Criticism"; Arnold's "Essays in Criticism."

8. *The English Novel from Richardson to the Present Time*.—The development of English fiction will be traced from Richardson, Fielding, Smollett, and Sterne through Goldsmith, Mrs. Radcliffe, Jane Austen, Scott, C. Bronte, Dickens, Thackeray, George Eliot to Trollope, Meredith, Stevenson, and a few representative English novelists now living.

A fair knowledge of the important works of Jane Austen, Scott, Dickens, Thackeray, and George Eliot is a prerequisite for those taking this course.

Three hours a week.

9. *Milton and Shakespeare*.—(a.) Milton's Prose and Poetry. "Areopagitica" (Cotterill, Macmillan & Co.); "Samson Agonistes" and "Paradise Lost" (Oxford Poets, Clarendon Press).

(b.) Two Plays of Shakespeare: A detailed study of the text of "King Lear" and "Henry IV.," Part I. The purpose of this course is to familiarize the student with the language of Shakespeare, as well as to study his methods in tragedy and comedy.

Two hours a week.

Department of Geology and Mineralogy.

Professor—Reginald W. Brock, M.A., F.R.S.C. (on overseas service).

Acting Professor—Stuart J. Schofield, M.A., B.Sc., Ph.D. (on overseas service).

Assistant Professor—Edwin T. Hodge, M.A., Ph.D.

Geology.

1. *General Geology*.—Three lectures, one hour laboratory per week, and two afternoon excursions each term.

A general elementary course covering dynamic, structural, and historical geology.

First Term: Composition, structure, atmosphere, hydrosphere, diastrophism, and vulcanism of the earth.

Second Term: History of the earth and of its plants and animals; geology and physiography of North America.

Prerequisites: A year of one of the following: Chemistry, Biology, or Physics.

2. *Petrography*.—Two lectures and two laboratory periods of two hours each a week, and one afternoon excursion.

Second Term.—The lectures deal with the genesis, occurrence, character, determination, and uses of the igneous sedimentary, and metamorphic rocks. The laboratory work consists of the microscopic study of rocks in connection with the megascopic determination of the corresponding hand specimens. The course aims to train the students to determine accurately and rapidly the different rock types met with in geological field-work.

Prerequisite: Optical Mineralogy.

3. *Economic Geology*.—Three lectures and one hour laboratory throughout the session.

This course includes: (a) A study of the occurrence, genesis, and structure of the principal non-metallic and metallic ore deposits with type illustrations; (b) description of the ore deposits of the British Empire, special stress being placed on those of Canada, and involving the theories developed above; (c) application of the principles of general geology to civil engineering and to the industrial arts, with illustrations drawn from actual problems.

Prerequisites: General Geology, Mineralogy. Petrography is desirable but not required.

4. *Field Geology*.—Fifteen hours' field-work during the session. The course is designed to acquaint the student with the ordinary methods of Field Geology. Small areas will be assigned to each student and the results of his investigations are embodied in a report and a geological map. Conferences during the progress of each student's work will be held.

Prerequisites: General Geology and Petrography.

Mineralogy.

1. *Mineralogy*.—Two lecture and two laboratory periods of two hours each a week throughout the session and an afternoon excursion each term. The course is introduced by a short series of lectures on crystallography, supplemented in the laboratory by the examination of actual crystals and crystal models. The course includes determinative and descriptive mineralogy, and the aim is to train the student to determine accurately and rapidly the commoner minerals by their physical and pyrognostic properties. Emphasis is placed on the association of minerals in nature and their application in the industrial arts.

Prerequisite: Chemistry, I.

2. *Optical Mineralogy*.—Three hours a week, First Term. The course is primarily designed as an introduction to Petrography. It includes instruction in the practical application of the polarizing microscope to the study of crystalline material, especially the rock-forming minerals.

Prerequisites: Mineralogy, 1.

Department of History.

Assistant Professor—Mack Eastman, Ph.D.

(on overseas service).

Instructor—Walter C. Barnes, B.A.

History.

1. The evolution of modern European society as interpreted by Robinson and Beard in their "Outlines of European History," Part 2 (Ginn & Co.).

Prerequisite to all other history courses.

One hour per week.

2. Beginning with a brief survey of Spanish colonization in America, and a succinct account of the development of the United States, this course will be devoted to Canadian History. After a consideration of the main characteristics of the French regime, the class will proceed to a study of Canada under British rule. Special attention will be given to constitutional history and questions of government. Students are advised to read *in advance* Parkman's "Jesuits in North America," "Count Frontenac,"

“The Discovery of the Great West,” “The Old Regime,” and “Wolfe and Montcalm.”

Two hours a week.

3. The religious thought and the social life of the Roman Empire, the Middle Ages, the Renaissance, the Reformation, the Counter-Reformation, and the subsequent history of religious thought down to the present day, with special reference to the English Deists, the French Philosophers, the Evangelicals of Germany, England, and America, the Higher Critics, and the Catholic Modernists.

Two hours a week. Not given in 1917-18.

4. The economic, political, and military history of the great countries of Europe from the French Revolution to our own times. This course aims at an historical explanation of the present situation in Europe. As prerequisites for this course students should take History, I, and Economics, I. A reading knowledge of French is also desirable.

Text-books: Mathews, “The French Revolution” (Longmans); Fisher, Napoleon (Home University Library); Hazen, Europe Since 1815 (Henry Holt).

Four hours a week. Not to be given in 1918-19.

6. Sketch of Mediæval History from the Fall of Rome to the Eve of the French Revolution. Special emphasis will be laid upon the economic and social conditions and the intellectual life.

Two hours a week.

Department of Mathematics.

Associate Professor—G. E. Robinson, B.A.

Assistant Professors { E. H. Russell, B.A.
Thomas Pattison, M.A.

Instructors { E. E. Jordan, M.A. (absent
on leave, overseas service).
Leonard Richardson, B.Sc.

1. *Algebra*.—Hall and Knight’s Elementary Algebra (omitting Chapters 40, 41, 42), or the same subject-matter in similar text-books.

Plane and Solid Geometry.—As in Hall and Stevens’ School Geometry.

Trigonometry.—Hall and Knight's Elementary Trigonometry to page 210, and Chapter 19; nature and use of logarithms (Bottomley's four-figure tables).

Four hours a week throughout the session.

2. *Geometry*.—(a) Solid Geometry, continuation of the Geometry of the First Year; (b) Geometrical Conic Sections. Spherical Trigonometry, an elementary course.

Text-book: Wilson's Solid Geometry and Conic Sections.

Four hours a week First Term.

Algebra.—Permutations and combinations; binomial theorem; exponential and logarithmic series; interest, annuities, and bonds; undetermined coefficients; partial fractions; summation of typical series; probabilities; determinants.

Text-book; Hall and Knight's Advanced Algebra.

Four hours a week Second Term.

Analytic Geometry.—A short introductory course.

3. *Analytic Geometry*.

Text-book: Tanner & Allen.

Two hours a week throughout the session.

Calculus.—Text-book: Murray's Differential and Integral Calculus (Longmans).

Two hours a week throughout the session.

4. *Topics from Advanced Calculus*; Differential Equations; Analytic Geometry of three dimensions.

Algebra.—Topics in determinants, theory of equations. Series and functions of a real variable.

Four hours a week throughout the session.

Department of Modern Languages.

Associate Professor of French—H. Ashton, B.A., Dês.L.,
D.Litt., O.I.P.

Assistant Professor of Modern Languages—H. Chodat, M.A.

Instructor—Isabel MacInnes, M.A.

Tutor—J. Ulrick Ransom, B.A.

French.

1. (a.) *Literature*.—A general view of French Literature based on passages in Siepmann's *Primary French Course*, Third Part (Macmillan, Canada), 2nd edition, 1915. Corneille, Racine,

Molière, Boileau, Rousseau, Voltaire, Chateaubriand, Sand, Balzac, Hugo, Lamartine, Musset.

(b.) *Language*.—The passages from the above-mentioned authors in Siepmann, Part III., and the exercises thereon, with the exception of those marked V. Free Composition, pp. 143 to 219; the test papers in composition, pp. 259 to 265; and the passages for translation into French, pp. 266 to 270. Siepmann's *Short French Grammar* should be used in conjunction with Part III. and special attention paid to the accidence and syntax of the verb.

(c.) *Conversation*.—Practice in conversation will be based on Siepmann, Parts II. and III.

(d.) *Reading*.—Weil et Chenin, *Contes et récits du XIX^e siècle* (Larousse, Paris), the stories beginning on pages 15, 26, 29, 30, 34, 43, 49, 60, 103, 115, 141, 214, 224, 235, 241, 252, and 265.

Students should procure W. E. Weber's *Cahier français de notes diverses* (Cambridge University Press).

Four hours a week.

2. *Summer Reading*.—Students who intend to take Course 2 are required to read, during the vacation, De Tocqueville, *L'ancien régime*, pp. 144 to 216.

(a.) *Literature*.—The Eighteenth Century. Prescribed works: (1) De Tocqueville, *L'ancien régime* (Oxford, Clarendon Press); (2) Voltaire, *Contes (ibid.)*; (3) Beaumarchais, *Le barbier de Seville* (Macmillan); (4) Marivaux, *Le jeu de l'amour et du hasard (ibid.)*; (5) Le Sage, *Gil Blas* (Heath).

(b.) *Composition*.—Weekley, *French Prose Composition*. All the exercises and the shorter passages at the end. Philibert & Pratt, *Free Composition and Essay Writing* (Dent).

(c.) *Conversation*.—Based on the texts studied.

Students should procure W. E. Weber's *Cahier français de notes diverses* (Cambridge University Press).

Four hours a week.

3. *Summer Reading*.—The plays mentioned below (a) (2).

(a.) *Literature*.—(1.) French Poetry in the Nineteenth Century. Prescribed work: Auguste Auzas, *Les poètes français du XIX^e siècle* (Oxford. Imprimerie de l'Université).

(2.) Modern Drama. Prescribed works: Sardou, *Les femmes fortes* (Oxford, Clarendon Press); Sedaine, *Le philosophe sans*

le savoir (ibid.); Hugo, *Hernani (ibid.)*; Theodore de Banville, *Gringoire* (Cambridge University Press); Rostand, *Cyrano de Bergerac* (Holt).

(b.) Composition.—Revision of Weekley, *French Prose Composition*. Passages from Sevrette, *Morceaux choisis*, Cours supérieur 2^e partie, Paris (Belin).

(c.) *Phonetics*.—During the Second Term one hour a week will be devoted to an introduction to the study and use of phonetics. Prescribed book: Diemville, *Elements of French Pronunciation and Diction* (Dent, Toronto).

(d.) *Reading*.—Works prescribed for rapid reading: Musset: *On ne saurait penser a tout*; Mme de Girardin: *La joie fait peur*; Labiche: *La grammaire*; Labiche et Martin: *Le voyage de M. Perrichon*; Marivaux: *Le jeu de l'amour et du Hasard*. (Dent's Edition without notes, 15c. each.)

Students of the Third and Fourth Year should procure W. E. Weber's *Cahier français de notes diverses* (Cambridge University Press).

4. (a.) An elementary course in the study and use of phonetics. Phonetic dictation. Prescribed book: Diemville, *Elements of French Pronunciation and Diction* (Dent, Toronto). Phonetic charts for students and wall charts will be provided. One hour a week.

(b.) French free composition and essay-writing. One hour a week.

(c.) Modern French methods of explaining texts. Book prescribed: Des Granges, *Morceaux choisis des auteurs français*, 2^e cycle, Paris (Hatier).

Course 3 must be taken by all Third and Fourth Year students. Fourth Year students are advised to combine Courses 3 and 4.

Course 4 cannot be taken alone.

N.B.—A course of twelve lessons on Rostand's *Cyrano de Bergerac* will be open to the public. Application for enrolment should be made before September 15th to the Head of the Department.

German.

1. (a.) *Composition, Conversation, etc.*—Pope, *Writing and Speaking German* (Holt).

(b.) *Reading*.—Storm, Immensee (Holt); Keller, Legenden (Holt); Moser, Der Bibliothekar (Ginn); Freytag, Die Journalisten (Ginn).

Four hours a week.

2. *Summer Readings*.—Heyse, Die Blinden (Holt).

The examination in Summer Readings will be held in the first week of the session.

(a.) *Composition*.—Pope, Writing and Speaking German (Holt).

(b.) *Literature*.—A general survey of German literature. Stroebe and Whitney, Geschichte der Deut. Literature (Holt).

(c.) *Reading*.—Lessing, Minna von Barnhelm (Macmillan); Schiller, Jungfrau von Orleans (Holt); Goethe, Egmont (Ginn).

Four hours a week.

3. *Summer Readings*.—Students intending to take this course are expected to read at least three of the works mentioned in (c) Supplementary reading. All of these are to be found in the University Library.

(a.) *Composition*.—Whitney and Stroebe, Exercises in German Syntax and Composition (Holt).

(b.) *The German Lyric*.—A book of German Verse (H. G. Fiedler, Clarendon Press).

(c.) *Nineteenth Century Fiction*.—Kleist, Michael Kohlhaas (Holt); Fou-qué, Undine (Holt); Keller, Zwei Novellen (Oxford); Meyer, Das Amulet (A.B. Co.); Storm, Pole Poppenspüler (Heath). Supplementary reading: Tieck, Der blonde Eckbert; Hoffmann, Der goldene Topf; Grillparzer, Der arme Spielmann; Mörike, Mozart auf der Reise nach Prag.

Four hours a week.

Spanish.

1. (a.) *Grammar and Conversation*.—Hill & Ford, A Spanish Grammar (Heath); Robert, First Spanish Book (Dent).

(b.) *Reading*.—Valera, El Pajaro verde (Ginn); Valdés, La Alegria del Capitan Ribot (Heath); Moratin, El Si de las Ninas (Ginn).

Four hours a week.

Department of Philosophy.

Assistant Professor—James Henderson, M.A.

1. *A Course in Elementary Psychology*.—Text-book: Angell's *Psychology* (latest edition). Students will also be referred to Stout's *Manual of Psychology*, Titchener's text-book, and James' *Psychology*.

Preparatory reading recommended: McDougall's *Psychology* (Home University Library).

A Course in Elementary Logic, Deductive and Inductive.—Text-book: Mellone's *Introductory Text-book of Logic* (latest edition). In connection with this course a few lectures intended to serve as an introduction to the main problems in Philosophy will also be given.

Four hours a week.

2. *A Course in Moral Philosophy*.—(a.) Theoretical Ethics; the development of morality in the race and in the individual; the psychological and metaphysical implications of morality; the chief ethical theories of ancient and modern times, with special reference to the Ethics of Idealism and the Ethics of Evolution. (b.) Applied Ethics; Moral Institutions; the duties and the virtues; the social organism; Ethics in relation to Politics and Economics; the sociological movement; moral progress.

MacKenzie's *Manual of Ethics* is prescribed for collateral reading, and students will also be referred to chapters in Rashdall's *Theory of Good and Evil*, Dewey and Tufts' *Ethics*, Green's *Prolegomena to Ethics*, Sidgwick's *Methods of Ethics*, to Butler's *Sermons on Human Nature*, and the works of Kant and Mill.

Preparatory reading recommended: *Ethics*, by Canon Rashdall (*The People's Classics*); *Ethics*, by G. E. Moore (Home University Library).

Four hours a week.

3. *The History of Philosophy from the Renaissance to the Present Time*.—Text-book: Calkin's *Persistent Problems of Philosophy*. Works of reference: Rand's *Modern Classical Philosophers*, and the *Various Histories of Philosophy*—Hoffding, Windelband, Erdmann, etc.

Four hours a week.

Courses 2 and 3 will be given in alternate years. Session of 1917-18, Course 3 will be given.

Department of Physics.

Associate Professor—J. G. Davidson, B.A., Ph.D.

Assistant Professor—T. C. Hebb, M.A., Ph.D.

Instructor—P. H. Elliott, M.Sc.

1. *A General Study*, of the principles of mechanics, properties of matter, heat, light, sound, and electricity. The course has two objects: (1) To give the minimum acquaintance with physical science requisite for a liberal education to those whose studies will be mainly literary; (2) to be introductory to the course in Chemistry and other branches of natural science, and to the more detailed courses in Physics in the Second, Third, and Fourth Years. Only the most important principles in each branch of the subject will be treated, as far as possible with reference to their historical development and mutual relations. Students must reach the required standard in both theoretical and practical work.

Lectures two hours a week and one laboratory period of two hours a week.

Text-book: Ontario High School Physics and Laboratory Manual.

2. *Mechanics, Hydrostatics, and Properties of Matter*.—A selected course of two lectures a week in conjunction with one period of three hours a week for laboratory and problem work.

3. *Heat, Sound, and Light*.—A course of five hours a week throughout the year. Ordinarily, two hours will be given to laboratory work and one to recitation and problem-working.

Not offered 1917-18.

4. *Electricity and Magnetism*.—A course of five hours a week throughout the year. Ordinarily, two hours will be given to laboratory work and one to recitation and problem-working.

INFORMATION FOR STUDENTS IN APPLIED SCIENCE.

The work of the first two years is largely in Mathematics and pure science, giving a foundation for specialization in the various branches of Engineering in the Third and Fourth Years of a B.Sc. Course.

In the Third Year four courses are offered:—

I. Chemistry.

- II. Chemical Engineering.
 III. Civil Engineering and Surveying.
 IV. Mining.

Definite arrangements have been made so that a student who has completed the Third Year work in Civil or Mining Engineering at the University of British Columbia may enter the Fourth Year work at any one of a number of other universities.

In the Fourth Year one course is offered:—

Chemical Engineering.

The regular work of each session in Applied Science will end about the first of May, at the close of the sessional examinations. The summer work will be taken during the month of September.

GENERAL OUTLINE OF COURSES.

The curriculum, as laid down in the following pages, may be changed from time to time as deemed advisable by the Faculty. The work prescribed for the First Year is the same in all courses. The first two years of the Engineering Course (2-4) are mainly devoted to Mathematics, Mechanics, Physics, Chemistry, Drawing, and Shop-work, as it is considered necessary that students in these courses should master the general principles underlying scientific work before commencing the subjects of the professional courses proper.

FIRST YEAR.

Subject.	FIRST TERM.		SECOND TERM.		See Page.
	Lectures per Week.	Laboratory Hours per Week.	Lectures per Week.	Laboratory Hours per Week.	
Mathematics, 1	7	.....	7	.....	101
Descriptive Geometry, 1	2	4	2	4	92
Drawing (a) and (b) .....	.....	3	.....	3	96
Mechanical Drawing, 1 .....	.....	3	.....	3	96
Mechanics, 1	2	.....	2	.....	103
Physics, 1	2	3.	2	3	102
Shop-work, 1* .....	.....	6	.....	6	97
Chemistry, 1	3	3	3	3	65

* Students who have taken these classes may claim exemption.

Summer Work.—All undergraduates entering the Second Year—except those taking the Chemistry Course (Course I.)—are required to be in attendance at the Surveying School on the 29th of August, when the field-work in Surveying and Geodesy will commence. (See page 94.)

SECOND YEAR.

Subject.	FIRST TERM.		SECOND TERM.		See Page.
	Lectures per Week.	Laboratory Hours per Week.	Lectures per Week.	Laboratory Hours per Week.	
Mathematics, 2	6	.....	3	.....	102
Chemistry, 1	3	4	3	4	65
General Engineering, 1	1	.....	1	.....	92
Structural Engineering, 1 .....	.....	.....	.....	3	93
Mechanical Drawing, 2 .....	.....	3	.....	3	97
Mechanics, 2 .....	.....	.....	3	.....	103
Mechanical Engineering, 1	3	.....	3	.....	95
Physics, 2	2	3	2	3	103
Shop-work, 2	1	3	1	3	98
Mapping, 2 .....	.....	3	.....	3	94
Surveying, 1	2	.....	2	.....	94
Field-work, 1 .....	.....	.....	.....	.....	94

* NOTE.—Field-work begins August 29th, 1917.

Summer Work.—Undergraduates entering the Third Year in Civil and Mining Engineering (Courses 3 and 4) are required to attend the Surveying School on August 29th when the field-work in Surveying will commence. (See page 94.)

Essay.—Students entering the Third Year must prepare an essay which should consist of about 2,000 words, and which must in all respects follow the specifications herewith given:—

All essays must be handed in to the Registrar not later than 5 p.m. on Monday, October 8th. A maximum of 100 marks, or nearly 10 per cent. of the total marks for the year, is given for these essays.

The most acceptable subject for an essay is a critical description of the work on which the student is engaged during the summer,

but a description of any engineering, scientific, or industrial work with which he is familiar will be accepted.

It should be illustrated by drawings, sketches, and (when desirable) by photographs, specimens, etc.

No essay compiled from books alone will be accepted unless the student has obtained in advance the permission of the Head of his Department to prepare such an essay.

The essay must be well expressed and written in precise, well-chosen, grammatical English. In preparing it advantage may be taken of any source of information, but due acknowledgment must always be made, and it must contain a statement of all authorities and books consulted. In judging of the value of the essays, account will be taken not only of the subject-matter, but also of style and literary construction.

All essays when handed in will become the property of the Department concerned and will be filed for reference. Students may submit duplicate copies of their essays in competition for the students' prizes of the Canadian Society of Civil Engineers, or of the Canadian Mining Institute.

Essays must be written on paper of substantial quality, and of a size approximately $8\frac{1}{2}$ x 11 inches.

I. Chemistry.

The aim of this course is to train the students for positions as analytical chemists, and to give them such knowledge of the principles of chemistry that they may be prepared to assist in the solution of problems of value to the industrial and agricultural life of the Province. The course is arranged to give in the first two years a knowledge of the fundamental principles of chemistry and physics, with sufficient mathematics to enable the theoretical parts of the subject to be understood.

In the Third Year analytical, organic, and physical chemistry are studied from the scientific side and in relation to technology. With the development of the University, a Fourth Year course, in which the student may specialize in the various branches, will be given.

FIRST YEAR.

As in other engineering courses. (For details see page 82.)

SECOND YEAR.

Subject.	FIRST TERM.		SECOND TERM.		See Page.
	Lectures per Week.	Laboratory Hours per Week.	Lectures per Week.	Laboratory Hours per Week.	
Mathematics, 2	6	.....	3	.....	102
Chemistry, 1	3	15	3	.....	65
Chemistry, 2 .....	.....	.....	1	15	65
Mechanics, 2 .....	.....	.....	3	.....	103
Physics, 2	2	3	2	3	103
German (Arts), 1	3	.....	3	.....	78

THIRD YEAR.

Subject.	FIRST TERM.		SECOND TERM.		See Page.
	Lectures per Week.	Laboratory Hours per Week.	Lectures per Week.	Laboratory Hours per Week.	
Engineering Economics .....	.....	.....	2	.....	92
Geology, 1	3	1	3	1	73
Chemistry, 2	1	9	1	6	65
Metallurgy	3	.....	.....	.....	100
Mineralogy, 1	2	2	2	2	74
Chemistry, 3	2	3	2	3	65
Chemistry, 4 .....	.....	.....	2	.....	65
Bacteriology (Arts) .....	.....	.....	.....	7	63
Assaying	1	7	.....	.....	101

II. Chemical Engineering.

This course is arranged to prepare the student for the duties of managing engineer in a chemical manufactory. As such he must not only be conversant with the chemical processes involved, but he must be prepared to design and to oversee the construction of new buildings and to direct the installation and use of machinery. Accordingly, the course of study combines a con-

siderable amount of engineering with the maximum of chemical training allowed by the time at his disposal.

FIRST AND SECOND YEARS.

As in other engineering courses. (For details *see* pages 82 and 83).

THIRD YEAR.

Subject.	FIRST TERM.		SECOND TERM.		See Page.
	Lectures per Week.	Laboratory Hours per Week.	Lectures per Week.	Laboratory Hours per Week.	
Engineering Economics .....	.....	.....	2	.....	92
Metallurgy	3	.....	.....	.....	100
Chemistry, 2	1	9	1	6	65
Mechanics, 3	2	.....	.....	.....	103
Mechanical Engineering, 2 and 3	2	3	2	3	95
Mineralogy, 1	2	2	2	.....	74
Chemistry, 3	2	3	2	3	65
Chemistry, 4 .....	.....	.....	2	.....	65
General Engineering, 2	2	.....	2	.....	92
Structural Engineering, 3 .....	.....	.....	1	3	93

FOURTH YEAR.

Subject.	FIRST TERM.		SECOND TERM.		See Page.
	Lectures per Week.	Laboratory Hours per Week.	Lectures per Week.	Laboratory Hours per Week.	
Elec. Engineering and Elec. Eng. Lab. ....	.....	3	.....	3	96
Engineering Law	2	.....	.....	.....	.....
Hydraulics	2	.....	1	.....	.....
Chemistry, 6	2	.....	2	.....	66
Chemistry, 8	2	.....	.....	.....	66
Chemistry, 5	1	15	1	15	65
Chemistry, 7	2	3	2	3	66
Fire Assaying	1	7	.....	.....	101

III. Civil Engineering.

The aim of this course is to give the student a sound training in the fundamental scientific principles on which the practice of the profession is based, and in the various branches of general engineering which are most called for in the practice of the profession in this Province. Experience shows that graduates do not usually follow any narrow differentiation that they may make in their course, but are governed by many other factors which affect them after leaving college. In practice in British Columbia, in particular, the engineer is called upon to undertake work in various branches of the profession. The course is therefore adapted to the needs of the engineer who expects to enter the profession in this Province in general practice, or the student who wishes to take up a special branch of engineering in a post-graduate course. The instruction is given by means of lectures and practical work in the field, the draughting-room, and the laboratory, and by visits to works in regularly conducted class excursions.

During the earlier years of the course the training is along engineering lines in Mathematics, Physics, Mechanics, and allied subjects which are essential to the proper education of the engineer who in practice is applying the principles of these sciences.

In the third year of this course the strength of materials is the main subject of study. The knowledge of this subject already gained is applied to simple problems in the analysis of stresses in framed structures, and to the design of foundations, girders, columns, roof-trusses, and the like. Courses in Surveying extend throughout the second and third years, with summer school sessions and field-work at the beginning of the session.

FIRST AND SECOND YEARS.

As in other engineering courses. (For details *see* pages 82 and 83.)

THIRD YEAR.

Subject.	FIRST TERM.		SECOND TERM.		See Page.
	Lectures per Week.	Laboratory Hours per Week.	Lectures per Week.	Laboratory Hours per Week.	
Descriptive Geometry, 2	1	3	.....	.....	92
Geology, 1 and 2	2	1	2	1	73
Engineering Economics .....	.....	.....	2	.....	92
Mechanics, 3	2	.....	.....	.....	103
General Engineering, 2	2	.....	2	3	92
Mechanical Engineering, 2 and 3	2	3	2	3	95
Mechanical Engineering, 4	2	.....	2	.....	95
Railway Engineering, 1	2	.....	2	.....	93
Structural Engineering, 2 and 3	1	3	1	3	93, 94
Hydraulic Engineering, 1	1	.....	1	.....	93
Electrical Engineering .....	.....	3	.....	3	96
Surveying, 2	2	.....	2	.....	94
Mapping, 2 .....	.....	6	.....	6	94
* Field-work, 2	4*	.....	.....	.....	94

* Weeks.

* NOTE.—Field-work begins on Wednesday, August 29th.

IV. Mining Engineering.

This course is intended to give a broad foundation in Mining Engineering that will form a suitable introduction to any branch of the work that aptitude or circumstances may lead the student to enter after graduation.

Special attention is therefore given to the fundamental sciences upon which the practice of the profession is based. As the usual avenues toward professional work are through draughting, surveying, and assaying, special attention will be given to training in these branches of the work.

Specialization does not begin until the third year, when courses in Mining, Metallurgy, Ore-dressing, and Assaying are commenced, but the chief work is still in such fundamental subjects as Applied Mechanics, Mechanical Engineering, Chemistry, Geology, and Mineralogy.

Instruction is given by means of lectures and practical work in the field, draughting-room, and laboratory, and by visits to mines and works. Students are recommended to spend their vacations at practical work in connection with Mining, Metallurgy, or Surveying, and will be required to do so between the third and fourth year.

FIRST AND SECOND YEARS.

As in other engineering courses. (For details see pp. 82, 83.)

THIRD YEAR.

Subject.	FIRST TERM.		SECOND TERM.		See Page.
	Lectures per Week.	Laboratory Hours per Week.	Lectures per Week.	Laboratory Hours per Week.	
Engineering Economics .....	.....	.....	2	.....	92
Fire Assaying	1	2 1/2	.....	.....	101
Geology, 1	3	1	3	1	73
Chemistry, 2	1	6	1	6	65
Mechanical Engineering, 2 and 3	2	3	2	3	95
Metallurgy	2 1/2	.....	.....	.....	100
Mineralogy	2	2	2	2	74
General Mining .....	.....	.....	2	.....	98
Ore-dressing	1	.....	2	3	100
General Engineering, 2	2	.....	2	.....	92
Structural Engineering, 3 .....	.....	.....	1	3	94
Mine Surveying	1	.....	.....	.....	98
Mapping, 2 .....	.....	3	.....	.....	94
* Field-work, 2 4 weeks	.....	.....	.....	.....	94

* Weeks.

* NOTE.—Field-work begins on Wednesday, August 29th.

REGULATIONS CONCERNING PREREQUISITE SUBJECTS.

(1.) No student proceeding to a degree will be allowed to take any subject, unless he has previously passed, or secured exemption, in all prerequisite subjects.*

* It is to be noted that prerequisite subjects are those which, in the opinion of the Faculty, must have been mastered before the subjects to which they are prerequisite can be intelligently studied.

Concurrent subjects are those which so supplement one another that

(2.) All students proceeding to a degree as above shall be classed as undergraduates and conditioned undergraduates, the latter being students with defective entrance qualifications or those who have failed in one or more of the subjects of their course in the year previous to that in which they are entered.

(3.) Except in special cases as provided below, no undergraduate or conditioned undergraduate shall be permitted to take any second-year subjects until he has passed or secured exemption in all matriculation requirements; and, similarly, no third-year work may be undertaken until all first-year subjects shall have been passed or exempted. No fourth-year work may be undertaken until all subjects of the previous years shall have been passed or exempted.

(4.) Partial students (not proceeding to a degree) may be admitted to classes without regard to the prerequisite rule, provided that they have obtained the permission of the Head of each Department concerned, and have also had their courses approved by the Faculty.

(5.) In the event of a partial student desiring to obtain undergraduate standing in order to proceed to a degree, he shall not be given credit for work already done without the usual prerequisites until he has passed examinations or secured exemptions in such prerequisites as may be demanded and has had his case approved by a unanimous vote of the Faculty.

(6.) All undergraduates who, at the close of any session, have passed the examinations in all the subjects of their year, or who, at the opening of the following session, have removed all conditions by passing supplemental examinations in the subjects in which they have failed, may pass into the next higher year as undergraduates.

(7.) All students who have conditions that have not been removed at the opening of any session are conditioned undergraduates, and come under the regulations governing prerequisite subjects.

no one of them can be advantageously studied alone. If any subject has another which is concurrent with it, both must be taken in the same session.

EXAMINATIONS IN APPLIED SCIENCE.

There are two examinations in each year—one at Christmas and the other at the end of the session. Successful students are arranged in three classes as follows: First class, those who obtain 80 per cent. or more; Second class, from 65 per cent. to 80 per cent.; Passed, from 50 to 65 per cent.

Christmas examinations will be held in all subjects and are obligatory for all students. Any partial student of the first year who fails in the Christmas examinations in any subject will not be allowed to continue his course in that subject, except under special circumstances and with the consent of the Faculty. Any student who at the sessional examinations fails in more than two major courses, or their equivalent, will be required to repeat his year.

For the first year these major subjects are:—

Geometry (or Trigonometry), Algebra, Descriptive Geometry, (Physics and Laboratory), and (Mechanics and English).

Any student whose record is found to be unsatisfactory may at any time be required to withdraw from the University.

SUPPLEMENTAL EXAMINATIONS.

Applications for these examinations, accompanied by the necessary fees, should be in the hands of the Registrar at least two weeks before the date of the examinations.

COURSES IN APPLIED SCIENCE.

N.B.—The following courses are subject to such modifications during the year as the Faculty may deem advisable.

Department of Chemistry.

Professor—D. McIntosh.

Associate Professor—E. H. Archibald.

Assistant Professor—R. H. Clark.

1. *General Chemistry*.—As in Arts (*see page 65*).
2. *Qualitative and Quantitative Analysis*.—As in Arts (*see pages 66 and 67*).
3. *Organic Chemistry*.—As in Arts (*see page 65*).
4. *Theoretical Chemistry*.—As in Arts (*see page 65*).

5. *Advanced Qualitative and Quantitative Analysis*.—As in Arts (see page 66).

6. *Industrial Chemistry*.—As in Arts (see page 66).

7. *Physical Chemistry*.—As in Arts (see page 66).

8. *Applied Electro-Chemistry*.—As in Arts (see page 66).

9. *Advanced Organic Chemistry*.—As in Arts (see page 67).

Descriptive Geometry.

Instructor—E. G. Matheson.

1. *Descriptive Geometry*.—Geometrical drawing; orthographic, isometric, and axometric projections; shades and shadows.

Text-book: *Descriptive Geometry*, H. F. Armstrong.

2. *Descriptive Geometry*.—Mathematical perspective; perspective of shadows; spherical projections and construction of maps.

Department of Civil Engineering and Surveying.

Assistant Professor—H. K. Dutcher.

Instructors { E. G. Matheson.
W. H. Powell.

ENGINEERING ECONOMICS.

General finance; barter and sale; money and credit; stocks and bonds; partnership and corporations; estimating; cost analysis; valuations; operating and fixed charges; specifications and contracts.

GENERAL ENGINEERING, I.

Materials of Construction.—Manufacture and properties of cast iron, wrought iron; crucible, bessemer, and open-hearth steel; principal alloys; considerations governing selection of materials; manufacture and properties of Portland and natural cements; limes; concrete; stone and brick masonry; principal kinds of timber used for engineering purposes; preservation of timber; discussion of standard specifications.

Required of all engineering students. One hour a week during the year.

GENERAL ENGINEERING, 2.

Strength of Materials.—Lectures dealing with the fundamental principles of the strength of materials. The subject includes stress, strain, resilience; bending moment and shearing force dia-

grams; simple, continuous, and cantilever beams; strength of shafting; spiral springs; elementary consideration of compound stresses and shearing in different sections.

Strength of Materials in Laboratory.—Testing of concrete, timber, steel, and other materials to illustrate the theories and factors considered in the lectures.

HYDRAULIC ENGINEERING.

Application of hydraulic pressure in the case of dams, gates, and pipes; flow of water and measurement of volume by various orifices and weirs; flow in open channels, ditches, flumes, etc.; elementary study of the theory of water-wheels, turbines, etc.

RAILWAY ENGINEERING.

Location and grade problems; economics of location; reconnaissance, preliminary, and location surveys; yards and terminals; details and materials of construction; estimates of probable receipts and expenditures.

Two lectures a week throughout the year.

Text-book: *Railroads, Curves and Earthwork*, Allen; *Economics of Railroad Construction*, Webb.

STRUCTURAL ENGINEERING, 1.

Graphical Statics.—Composition of forces; general methods involving the use of funicular and force polygons; determination of reactions, centres of gravity, bending moments, and moments of resistance; stresses in cranes, braced towers, roof-trusses, and bridge-trusses.

Laboratory period of three hours during the Second Term.

Text-book: *Roofs and Bridges, Part II.*, Merriman and Jacoby.

Required of all engineering students.

STRUCTURAL ENGINEERING, 2.

Foundations and Masonry.—Borings; bearing power of soils; pile and other foundations; coffer-dams; caissons; open dredging; pneumatic and freezing processes; estimates of quantities and costs.

One hour lecture and three hours laboratory during First Term.

Text-book: *Masonry Construction*, Baker.

STRUCTURAL ENGINEERING, 3.

Problems illustrating designs in structural engineering and reinforced concrete; drawing estimates of quantities and costs.

One hour lecture and three hours laboratory during Second Term.

Text-book: Structural Draughting and Elementary Design, Conklin.

SURVEYING, 1.

Lectures; chain and angular surveying, surveying instruments and equipment, their construction, use, and adjustment; topography, levelling, contouring, stadia surveying, railway curves, etc.; Provincial and Dominion surveys.

SURVEYING, 2.

Theory and use of instruments, plane table surveying, mine surveying, hydrographic surveying; theory and setting out of railway curves; elements of geodetic surveying; elements of practical astronomy; Provincial and Dominion land surveying.

FIELD-WORK, 1.

(1) Farm survey, with chain and compass; (2) compass and micrometer survey; (3) detail survey by chain and pickets; (4) levelling; (5) transit work.

FIELD-WORK, 2.

Topographical, hydrographical, and railway-location surveys; mine surveys: use of plane table, sextant, barometer, etc.

MAPPING, 1.

Drafting from notes obtained in field-work.

MAPPING, 2.

Draughting from notes obtained in field-work and from other notes.

Department of Mechanical Engineering.

Assistant Professor—L. Killam.

Instructor—G. A. Booth.

Demonstrators	}	J. M. Goodwin.
		H. Taylor.
		S. Northrop.
		J. Robb.

MECHANICAL ENGINEERING, 1.

Mechanics of Machines.—(a.) *Kinematics of Machines.*—Displacement, velocity, and acceleration, and their mutual relations; constrained motion; and the relative motions of links in various closed chains; alteration and closure; the design of gear teeth, wheel trains and cams.

(b.) *Dynamics of Machines.*—The dynamics of revolving and reciprocating parts of machines; work represented in the indicator diagram; the design of fly-wheels.

Text-book: Durley, "Kinematics of Machines."

Reference book: Ewing, "The Steam Engine and Other Heat Engines."

Three hours a week throughout the year.

MECHANICAL ENGINEERING, 2.

Heat Engines and Auxiliaries.—The mechanical engineering of large and small steam and internal-combustion power plants, with consideration of the economical selection and arrangement of equipment; the air-compressor, and the transmission and use of compressed air; refrigeration; heating and ventilation.

Text-book: Fernald and Orrok, "Engineering of Power Plants."

Reference books: Gebhardt, "Steam Power Plant Engineering"; Marks and Davis, "Steam Tables and Diagrams."

Two hours a week throughout the year.

MECHANICAL ENGINEERING, 3.

Laboratory.—The testing of boilers, steam engines, and internal-combustion engines; fuel calorimetry; flue gas analysis; the distribution of losses in a steam-power electric generating plant; the efficiency of belt transmission of power; the power and its transmission in an automobile; air-compression; lubrication.

Reference book; Carpenter and Diedrichs, "Experimental Engineering."

Three hours a week throughout the year.

MECHANICAL ENGINEERING, 4.

Thermodynamics.—The fundamental principles of thermodynamics; the theory of air-compression, and the transmission

and use of compressed air; the efficiencies of ideal heat engines; the properties of steam and the elementary theories of different heat engines.

Text-books: Simons, "Compressed Air"; Ewing, "The Steam Engine and Other Heat Engines."

Reference book: Lucke, "Thermodynamics."

Two hours a week throughout the year.

Electrical Engineering.

An essentially practical course designed to give the student acquaintance with and experience in the handling of electrical machinery. Access is had to hydro-electric generating plants and sub-stations, and to isolated steam-power generating plants. Experimental studies are made of different types of generators and motors, storage batteries and other electrical apparatus, with a view to guiding the student in the selection of proper apparatus for any particular service. A lecture course on commercial practice will be given.

Text-book: Gray, "Principles and Practice of Electrical Engineering."

Three hours a week throughout the year.

Drawing.

(a.) *Freehand Drawing*.—The sketching of machine parts, buildings and other structures, to train the student in the making of perspective drawings, or dimensioned drawings which may be copied to scale.

(b.) *Lettering*.—Practice in freehand lettering of the types in common use in draughting-rooms; the making of capitals, with drawing instruments; tinting and blue-printing.

Three hours a week throughout the year.

MECHANICAL DRAWING, I.

The making of drawings and tracings of simple machine parts. All work is finished in accordance with the best commercial practice; and instruction is given in the reason for such practice and the choice of materials specified for use.

Three hours a week throughout the year.

MECHANICAL DRAWING, 2.

A continuation of Course 1; the making of detailed drawings from assembly drawings, and assembly from detail drawings, and assembly and detail drawings from measurements of more complicated machine parts.

Three hours a week throughout the year.

Shop-work.

These courses are planned to give the student some knowledge of common methods of manufacture as employed commercially, and also to supplement the manual-training work of the High Schools in imparting a degree of manual skill and instruction in the use and care of various hand and machine tools. The courses help to form a basis for future intelligent design of parts for machines or structures.

The student is strongly advised to increase his practical experience by work in some branch of engineering during the summer vacations.

In conjunction with the Shop-work courses the student is required to read portions of certain text-books on shop practice, tool design, and machine performance.

Notes on work done in the shops are handed in to the Instructors in charge.

SHOP-WORK, I.

(a.) *Woodworking*.—The use and care of woodworking tools in bench-work and turning; the making of various joints and small structures with finished surfaces; turning and boring.

All work is done according to blue-print specifications.

Three hours a week throughout the year.

(b.) *Smith-work*.—The use and repairing of smith's tools; the making of small iron and steel forgings, including welding; the tempering of carbon-steel tools.

Three hours a week during one term.

(c.) *Foundry-work*.—Bench and floor moulding; core-making; cupola operation.

Three hours a week during one term.

(d.) *Shop Lectures*.—A course of lectures in line with the work done in Courses (a), (b), and (c), with a discussion of materials

used and explanation of more advanced practice. Instruction is also given in the use of the slide-rule.

One hour a week throughout the year.

SHOP-WORK, 2.

(a.) *Machine-shop Work*.—Bench-work, including marking off, chipping, filing, scraping, tapping, and fitting; lathe-work, including turning and boring of cylindrical work to gauge, screw-cutting and finishing; lathe adjustments; shaping; drilling; milling; gear-cutting; tool-dressing.

Three hours a week throughout the year.

(b.) *Shop Lectures*.—A course of lectures to supplement the knowledge gained in Course (a). The subjects considered are: Tools and tool-steels; annealing, hardening, and tempering; grinding; soldering and welding; pipe-fitting; machine-fitting; the manufacture of interchangeable parts; lathe adjustments.

Text-book: Smith, "Principles of Machine Work."

One hour a week throughout the year.

Department of Mining Engineering.

Professor—J. M. Turnbull.

Mine Surveying.—This course covers the application, to mining problems, of the general principles of surveying; under the following heads:—

Instruments and accessory appliances used, their selection, care, and methods of use underground. Practical details of underground survey-work and special difficulties. Surveying in shafts. Setting and lining in of timbers. Stope surveys. General underground surveys. Co-operation with sampling and geological work. Different systems of taking notes and sketches. Mapping methods. Scale of maps. Uses of maps for various purposes. Records, and methods of keeping them. Estimating tonnages and volumes. Functions of the Mine Survey Department.

Lectures and mapping one hour per week in the First Term of the Third Year.

General Mining.—This course covers broadly the general principles underlying the operations of finding and working mines. It forms the foundation for more specialized and detailed subsequent studies in mining. In outline the course is as follows:—

Ores.—Nature and types of ores and economic minerals.

Mineral Deposits.—Characteristic types, nature and origin, relations to surrounding rocks. Classification. Conditions of occurrence. Enrichment and impoverishment. Mineral belts.

Prospecting.—Methods used in searching for mineral deposits. Outcrops and other indications of occurrence. Geological aids. Mineral fashions. British Columbia Mineral Acts and Laws, applying to prospecting and location of mineral claims.

Preliminary Development.—Usual methods, their choice, nature, and applicability. Relation to future operations. Technical and commercial results to be attained.

Boring.—Types of long-distance boring drills used, their uses for particular purposes. Value of results in prospecting for and development of mineral occurrences.

Mechanical Appliances.—General nature, types, and uses of mining machinery. Hoisting and winding engines, compressors, rock-drills, coal-cutter dredges and hydraulic plants, transportation appliances and systems.

Structures.—General nature, types, and uses of structures and buildings in connection with mines. Ore-bins, head-frames, etc.

Excavation.—Breaking and moving gravel, rock, ore, and coal. Common explosives, their use and effects.

Mining Methods.—Systematic development work. General methods used in mining different types of mineral occurrences. Placer mining. Value and use of maps, surveys, geological and sampling work.

Mine Valuation.—General methods and considerations used in arriving at the values of mines and prospects.

Administration.—Functions and general organization of employees. Safety Department. Supplies, wages, mine accounts.

Economics.—General application of financial and commercial considerations to mining operations.

Ethics.—Character and obligations of the mining engineering profession.

Lectures two hours per week in the Second Term of the Third Year.

Books of reference: Principles of Mining, H. V. Hoover; Mining Without Timber, R. B. Brinsmade; Current Mining Journals.

Ore Dressing.—Owing to rapid and radical changes in the practice of Ore Dressing in recent years, and the immense number and variety of machines in use, no attempt is made to describe all the machines. Most of the time is spent in considering fundamental principles, typical machines, and their general operations and relations in standard modern milling practice.

Students are taught the commercial and technical characteristics of true concentrating ores, the general principles on which the size, character, site, and other features of a mill are designed. The general lay-out of crushing, handling, and separating machinery. The laws of crushing and of various classifying and separating actions, and the design, operation, and comparative efficiency of typical machines, such as crushers, rolls, stamps, jigs, tables, screens, classifiers, and slime-handling devices.

Attention is paid to pneumatic, magnetic, electrostatic, flotation, and other special processes, including coal-washing.

Two lectures per week throughout the Third Year; with one laboratory period in the Second Term.

Reference books: *Theory and Practice of Ore-dressing*, E. S. Wiard; *Ore Dressing*, by R. H. Richards; *Concentrating Ores by Flotation*, T. J. Hoover; *Current Mining Journals*; *Trade Catalogues*.

General Metallurgy.—This course covers the fundamental principles underlying metallurgical operations in general, and is introductory to subsequent more specialized study.

The lectures follow in general the subject as taken up in "*Principles of Metallurgy*," by Chas. H. Fulton, including the following main subjects:—

Physical mixtures and thermal analysis. Physical properties of metals. Alloys. Measurement of high temperatures. Typical metallurgical operations. Roasting and fusion. Electro-metallurgy. Slags. Matte, bullion, and speise. Refractory materials. Fuels. Combustion. Furnaces. Economics of metallurgy.

Lectures two hours per week in the First Term of the Third Year.

Text-book: *Principles of Metallurgy*, C. H. Fulton.

Reference books: *General Metallurgy*, H. O. Hofman; *Current Mining and Metallurgical Journals*; *Trade Catalogues*.

Fire Assaying.—Quantitative determination of Gold, Silver, Lead, and Platinum by fire-assay methods, with underlying principles.

Lectures and laboratory work four hours per week throughout the Third Year.

Text-book: Manual of Fire Assaying, C. H. Fulton.

Department of Geology and Mineralogy.

Professor—R. W. Brock (on overseas service).

Acting Professor—Stuart J. Schofield (on overseas service).

Assistant Professor—Edwin T. Hodge, M.A.

GEOLOGY.

1. *General Geology*.—As in Arts (see page 73).
2. *Petrography*.—As in Arts (see page 73).
3. *Economic Geology*.—As in Arts (see page 73).
4. *Field Geology*.—As in Arts (see page 73).

MINERALOGY.

1. *Mineralogy*.—As in Arts (see page 74).
2. *Optical Mineralogy*.—As in Arts (see page 74).

Department of Mathematics.

Associate Professor—G. E. Robinson.

Assistant Professors $\left\{ \begin{array}{l} \text{E. H. Russell.} \\ \text{Thomas Pattison.} \end{array} \right.$

Instructors $\left\{ \begin{array}{l} \text{E. E. Jordan.} \\ \text{Leonard Richardson.} \end{array} \right.$

MATHEMATICS, I.

(1.) *Geometry*.—(a.) Solid geometry. (b.) Geometrical conic sections. First Term.

Text-book: Wilson's Solid Geometry and Conic Sections (Macmillan).

(2.) *Algebra*.—Miscellaneous theorems and exercises, exponential and other series, properties and solutions of higher equations, complex numbers and vector algebra, graphical algebra, with an introduction to analytic geometry, indeterminate forms, limits, derivatives, slopes of curves. First Year (First and Second Terms).

Text-books: Rietz and Crathorne's College Algebra (Holt & Co.); Tanner and Allen's Analytic Geometry (American Book Co.).

(3.) *Trigonometry*.—Plane and Spherical. Second Term.

Text-book: Murray's Plane and Spherical Trigonometry, with tables (Longmans).

MATHEMATICS, 2.

(1.) *Analytic Geometry*.—The point, straight line, circle, parabola, ellipse and hyperbola, elements of geometry of three dimensions. First Year (latter part of Second Term) and Second Year (First Term). The second-year work begins with the circle.

Text-book: Tanner and Allen's Analytic Geometry (American Book Co.).

(2.) *Calculus*.—Differentiation of functions of one or more variables, successive differentiation, tangents, etc., curvature, maxima, and minima, integration, with applications to areas, volumes, moments of inertia, etc. First and Second Terms.

Text-book: Murray's Differential and Integral Calculus (Longmans).

Department of Physics and Mechanics.

Associate Professor—James G. Davidson.

Assistant Professor—T. C. Hebb.

Instructor—P. H. Elliott.

The instruction includes a fully illustrated course of experimental lectures on the general principles of Physics, accompanied by courses of practical work in the laboratory, in which students will perform for themselves experiments, chiefly quantitative, illustrating the subjects treated in the lectures. Opportunity will be given to acquire experience with all the principal instruments used in exact physical and practical measurements.

PHYSICS, 1.

1. *Lecture Course*.—Advanced heat, with topics in sound, light, and electricity and magnetism. Two hours per week.

2. *Laboratory Course*.—Three hours per week, spent in practical measurements in conjunction with the lecture course.

PHYSICS, 2.

1. *Electricity and Magnetism*.—This consists of a lecture course of two hours per week and begins at that point in the subject where it was dropped in Physics, 1.

2. *Laboratory Course*.—This consists of three hours per week spent in performing experiments closely related to the subject of the lecture course.

MECHANICS, 1.

An elementary course in Dynamics, Statics, and Hydrostatics. First and Second Terms.

Text-book: Loney's *Mechanics and Hydrostatics for Beginners* (Cambridge University Press).

MECHANICS, 2.

The course includes the general principles of statics, and of the dynamics of a particle. Motion of a particle under varying force is considered and a knowledge of both differential and integral calculus is essential. Simple harmonic motion is considered (taking the oscillation of springs and pendulums in illustration), and numerous applications of the principles dealt with are worked out.

Three lectures per week, Second Term.

Text-book: J. Duncan, *Mechanics for Engineers*.

MECHANICS, 3.

An extension of the work of Mechanics, 2, to include the equations of motion of a rigid body in two dimensions; practical problems on rotating and oscillating bodies, the elementary consideration of the gyroscope, etc.

Two hours per week, First Term.

INFORMATION FOR STUDENTS IN AGRICULTURE.

COURSES OF STUDY.

Two distinct lines of study are offered, as follows:—

- (1.) A Four-year Course leading to the degree of B.S.A.
- (2.) A series of Short Courses.

(1.) Course leading to the Degree of B.S.A.

Students in Agriculture are required to have Junior Matriculation or its equivalent before entering upon this course. The degree of B.S.A. is granted only after the successful completion of four years of lecture and laboratory work. The course is planned for students who wish to obtain a practical and scientific knowledge of Agriculture, either as a basis for demonstration and teaching, or as an aid to success in farm management.

CURRICULUM.

The first two years of work leading to the degree in Agriculture will be devoted to acquiring a knowledge of the basic sciences upon which Agriculture rests, in adding to the student's knowledge of mathematics and language, and in laying a foundation for more advanced studies in practical Agriculture. The Third and Fourth Years will be devoted almost wholly to courses in Applied Agriculture. Details of these courses will be announced in the Calendar one year before the courses are offered.

Except under special circumstances, students will not be eligible for registration who have not attained the age of seventeen. Specialization will begin at the commencement of the Third Year. Students who have not had at least one full season's practical farm experience will be required to obtain this preliminary training before registering for the Third Year.

FIRST-YEAR COURSE OF STUDY.**Agriculture—**

Agronomy	1
Animal Husbandry	1
Horticulture	1
Biology	2
Chemistry	1
English	1 and 2
French or German	½ of 1
Mathematics	½ of 1
Physics	1

(2.) Short Courses.

The Short Courses are planned for those men and women who are unable to take advantage of the longer course, but who desire

to extend their knowledge of agriculture in one or more of those branches in which they are particularly interested. The work throughout is intensely practical. Lectures are reduced to a minimum. Illustrative material and periods devoted to demonstration and judging work are strong features of the courses. No entrance examination is required, nor are students asked to write an examination at the conclusion of the course.

A detailed statement of work covered in these courses is issued in a separate circular, and may be obtained on request.

COURSES IN AGRICULTURE.

Department of Agronomy.

Professor—L. S. Klinck, M.S.A.

Assistant Professor—P. A. Boving, Cand.Phil., Cand.Agr.

Agronomy, 1.

In this course a study will be made of the more important soil types in the vicinity of the University. Methods of treatment will be observed and the principles underlying the practices noted will constitute the basis for subsequent courses in Agronomy. Two laboratories per week, Fall Term.

Department of Animal Husbandry.

Professor—J. A. McLean, B.A., B.S.A.

Animal Husbandry, 1—Market Classes and Grades.

A study of the market classes and grades of cattle, horses, sheep, and swine, with special attention to the characteristics of each class, and the judging of live stock in those various classes. Two lectures and two laboratories per week, Spring Term.

Department of Horticulture.

Professor—F. M. Clement, B.S.A.

Horticulture, 1.

A laboratory course designed to acquaint the students with the elements of horticultural practice. Visits to orchards, gardens, small-fruit plantations, greenhouses, nurseries, packing-houses, canning plants, and the experimental grounds at Point Grey for purposes of observation and study will make up a large part of the course. One lecture and one laboratory per week, Fall Term.

MILITARY TRAINING.

As the University of British Columbia is a public institution supported by State funds, and as the physical exercise, discipline, organization, and study of military science are highly beneficial to the student, Military Training for two sessions is compulsory for male students.

Permission has been given by the Militia Headquarters to organize a contingent of the Canadian Officers' Training Corps, in order that the training taken at the college may qualify students to rank in the Canadian Militia as officers without further training. A contingent of the Officers' Training Corps is a unit of the Active Militia, but is governed by special regulations. It cannot be called out for active service, but all qualified members, if not attached to any militia corps are placed on the Officers' Reserve List of Canada. Certificates of proficiency are issued to members who qualify. These certificates are of two classes, "A" and "B," "A" certificate being given to those who spend two years with the corps as efficient members, and "B" certificate to those who spend three or more years as efficient members.

Students to qualify must attend drills and lectures for a minimum period of two sessions and pass certain examinations.

Students whose unexcused absences from parades and lectures exceed one-eighth but fall below one-fourth of the total possible attendances may, if otherwise approved, be conditioned in military training.

Conditions may be removed at the beginning of the next session by the payment of the usual supplemental examination fee of \$5 and attendance on twelve parades for conditioned students.

Students who are declared inefficient must repeat the year's work in military training, as in other courses.

A certificate of proficiency entitles the holder to rank as an officer in the Canadian Militia without further training.

On attaining Class "A" certificate a student will be exempt from further training, but students are advised to continue training.

The time devoted to military training will be two hours per week.

Fitzgerald, Herbert George.
Fountain, George Frederick.
Fowler, Grant.
Frampton, Lieutenant Geoffrey.
Galbraith, Samuel Tait.
Gale, William Alexander.
*Gibson, Lieutenant Harold Alexander Frater.
Gibson, Corporal Thomas Ian.
Gillespie, Roy Meredith.
Gillie, Kenneth Beresford.
Goodman, Edwin Monro.
Gordon, Lance-Corporal Alva McIntyre.
Gregg, Elwyn Emerson.
Hamilton, Lieutenant Robert Stanford.
Hamilton, Stuart Perry.
*Hardie, Charles Mawer.
Hatch, William George.
Heynen, Robert Harry.
Holmes, Sergeant Albert Thomas Franklin.
*Hughes, Norman Vincent.
Hurst, Allan McLean.
Jackson, Major Jackson Arnold.
*Jeffs, William Armour Cowan.
Johannson, Joseph Soemunder.
Johnston, Sergeant Harry Lloyd.
Kearne, Lance-Corporal Geoffrey Norman.
Kerr, Lieutenant John Harold.
Lambert, Lieutenant Noel Dudley.
Lawrence, Corporal James Lyle.
Lawson, Lance-Corporal Duncan MacDonald.
Leckie, Claude Perrin.
Le Messurier, Lieutenant Ernest L.
Le Messurier, Thomas.
Letson, Lieutenant Harry Farnham Germaine.
Lett, Lieutenant Sherwood.
Livingstone, Lieutenant Warren.
Lord, Arthur Edward.
Lord, Lieutenant Ernest Ellis.
Macfarlane, Comrie Vernon Hastings.
*Mathers, Wilford Wiltsie.
Maxwell, William Forrest.
May, John Gordon.
*Mayers, James Christian Francis.
McAfee, Weldon Robert.
McDiarmid, Harry de Cew.

* Killed in action.

McDougall, Wilfrid Robinson.
McIlvrde, Robert.
McLeod, William Ray.
McNamara, Joseph Albert.
McPhalen, Hugh Cornelius.
McTavish, Corporal Alexander Morrison.
Meadows, George Douglas.
Meekison, Sergeant Donald Murray.
Mennie, John Hamilton.
Merrill, Gerald Herriman.
Miller, Sergeant Arthur Harold.
Miller, Corporal Clive.
Milton, Ernest Lytle.
Moore, Lieutenant Guy Borthwick.
Munro, Alexander.
Murray, Kenneth William.
Palmer, Richard Claxton.
Palmer, William Mills.
Pearse, Hubert Arnold.
Pim, Edgar Henry.
Rae, Douglas Henderson.
Ray, Godfrey H.
Rickaby, William.
Rive, Alfred.
Rose, Hedley Alexander.
Scott, Gordon Wood.
Scott, Sergeant Seaman Morley.
Seidelman, Edward Joseph.
Sexsmith, Lieutenant Franklin Frederick Burrows.
*Shearman, Thomas Stinson Becket.
*Simmonds, Lieutenant Robert Hazlette.
Smeeton, Lieutenant Joseph Thomas.
Southcott, Lance-Corporal James Percy Caldwell.
Southam, Harold Davey.
Stephen, John Forrest.
Stewart, Earl Richard.
Thompson, Lance-Corporal Douglas Lionel.
Timberlake, Morley.
Traves, Charles Wesley.
Traves, Edmond Cornelius.
Usher, Charles.
Waddington, Corporal George Wilfrid.
Walkinshaw, Wingate Robertson.
Wallace, Bryce G. Howie.
Wallis, Captain Preston Richard Montagu.

* Killed in action.

Walsh, Harold Edgar.
Watts, Harold Newton.
Weart, Sergeant James Foss.
Weld, Charles Beecher.
Wilkinson, Elmo Clifford.
*Wilson, Lieutenant Conrad.
Wilson, Frank Robinson.
Wilson, William Cochrane.
Woodward, Eric Raymond.
Wright, Lieutenant Douglas A.
Wright, Leroy Charles.

STUDENTS OF THE MCGILL UNIVERSITY COLLEGE OF
BRITISH COLUMBIA.

Adams, Robert Frederick.
Allen, Lieutenant J. S.
*Anderson, Goldie Fraser.
Appleton, Lieutenant Harold.
*Atkins, Lieutenant Basil Elmo.
Baker, Fred Lefevre.
Baldwin, Captain Sidney George.
Barker, Culver Maynard.
Bell-Irving, Captain Malcolm McBain.
Bell-Irving, Robert.
Bennett, James Lingard.
Beveridge, William Wentworth.
Black, Alexander Pineo.
Boak, Captain Eric Wellesley.
Bodie, Robert Charles.
*Bowser, William James.
Boyd, James Bruce.
*Boyes, Lieutenant David Alexander.
Boyle, Ernest Allan.
Bray, Lieutenant Harry Randle.
Brydone-Jack, Lieutenant Herbert Dishow.
Buck, Frank Hepworth.
Bunt, Major William Percy.
Busby, Edward Maurice.
Bush, Waldo Murray.
Cameron, Lieutenant Hamish Johnston.
Cameron, Lieutenant Ian MacKenzie.
Campbell, Fred Edward.
Carne, Harold Gowen.
Carnsew, Lieutenant Charles Noel Thomas.
*Chaffey, Charles R.

* Killed in action.

Chave, Elmer Hargreaves.
Chown, Eric Vickers.
Clark, Lieutenant George Ernest Wesley.
Clark, Harry McKenzie.
Clearihue, Lieutenant Joseph D.
Coughlan, Joseph Clare.
Crane, Sub-Lieutenant Harry Joseph.
Creery, Lieutenant Kenneth Andrew.
Creighton, Second Lieutenant Charles P.
Davies-Moore, Fritz.
*Desbrisay, Eric Merrill.
Desbrisay, Harold Archibald.
De Pencier, Lieutenant Theodore Frederick Wells.
De Wolf, Tempest Carroll St. Etienne.
Donaldson, Captain Arthur William.
Dowler, Lieutenant John Welton Douglas.
Draper, Richard.
Drost, Herbert Mason.
Duchesnay, Lieutenant de St. Denis.
Duncan, Charles France.
Duncan, Robert George.
Dunn, Lieutenant Frank.
Dustan, Alexander Boyle.
Earle, George Alfred.
Earle, Harry A.
Eberts, Captain Harold F. H.
Eckardt, Harold Alexander.
Elliott, H. Maclean.
Elliott, Lachlan McLean.
Ellis, William Nicol.
Ellison, Price.
Ferguson, Clifford Joseph.
Finch, Captain Orie.
Fisher, Aubrey Silver.
Fitz-Henry, Edward Graham.
Flitton, Ralph Cyril.
Floyd, Claude Herbert.
Forrester, Alexander.
*Frame, Lieutenant William Layton.
Frampton, Keith Bertie.
Fraser, Sergeant George Lyall.
Fullerton, Lieutenant James Thornton.
Gibbins, Lieutenant Gwynn Gilbert.
Gilbert, Lieutenant Reginald Herbert.
Godfrey, Edward Adolphus Chapnell.

* Killed in action.

Gordon, Lieutenant David John.
Gordon, Eric Valentine.
Grant, Harold David.
Graves, Sergeant Herbert Sandham.
Hannington, Lieutenant F. Carleton.
*Harvey, Second Lieutenant Oliver Colin.
Helme, Harold.
Hickey, Edward John.
Hodsdon, Donald Wilbur.
Holland, Frederick William.
Holland, Richard Rowe.
Holmes, Lieutenant Cuthbert.
Honeyman, Lieutenant Pharic Donald Innes.
Hoult, Sergeant John H.
Hunt, Lieutenant William Lucas.
Irwin, Giffard M.
*James, Percy R.
Jones, Thomas Meredith.
Kerr, Forrest Alexander.
Knowing, Albert James.
Lane, James Eldon.
Leckie, Sub-Lieutenant John Alan.
Lindsay, Gordon.
Macaulay, Alexander Howard.
*MacLennan, Neil Kenneth Finlayson.
Macnaghten, Ronald Frederic.
MacPherson, Lieutenant Gordon Angus.
MacPherson, Lieutenant Ralph Stewart.
Marling, Samuel Earle.
Mathers, Fred DesBrisay.
McDiarmid, Neil H.
McDonald, Lieutenant John Alexander.
McGown, Thomas Hoey.
McGregor, Donald Manson.
McLellan, Lieutenant Allan Gordon Wilson.
McLellan, Willard Gilmore.
McLennan, Robert Purvis.
McLennan, Stanley Archibald.
McNaught, Robert Donald.
McNaughton, Ira James.
McNeill, Donald Leverin.
McTavish, Captain Charles Hugh.
Moore, Joseph D.
Morrison, Albert Henry.
Morrison, Loyle Alexander.

* Killed in action.

Muir, William James Cecil.
Murray, David Fraser.
Murray, Captain William Ewart Gladstone.
Mutch, Lieutenant John Thomas.
Ney, John Stewart.
Nicholson, Cuthbert Neilson.
Norris, George E.
Norris, Lieutenant Thomas G.
Northrop, Harold.
*Owen, Harold Heber.
Payne, Wilfrid Reid.
Plummer, Lieutenant Stephen Becker.
Pottinger, James McNaughton.
Poupore, Major William Edmond.
Powell, Harold Milton.
Powell, Captain Fitzhenry Townshend Scudamore.
*Price, Captain Harold.
Priest, Roy Montagu.
*Putnam, Laurie Chalmers.
*Rand, Edwin Arthur.
Raynes, Walter L.
Reid, Lieutenant John Herbert.
Ritchie, Rae George.
Robinson, Lieutenant Harry Lunan.
Rogers, William Bryon.
Rosebrugh, Corporal Kenneth.
Ross, Lieutenant Douglas William.
Ross, Lieutenant Herbert McKenzie.
Ross, Lieutenant William C.
Sawers, Captain Basil Lindsay.
Sclater, Lieutenant James Loutit.
Scott, Cecil Oscar.
Scott, James H.
Scott, Sydney Dunn.
Selman, Gordon Samuel.
Service, Robert W.
Simpson, Donald David.
Sivertz, Harold G.
*Smith, Laurence Bradbury.
Smith, Philip Paul.
Smith, Robert Reid.
Smithson, Hillerie William.
Sproule, Walter Kirby.
*Stevens, D. O. Vernon.
Stewart, Carroll Alexander.

* Killed in action.

Stewart, Charles Clark.
Stewart, Frederic Choate.
Stewart, George William.
Stone, Clifford Ervin.
Stone, Sub-Lieutenant Horace Gordon.
Stuart, William James.
Sutton, William Alan.
Swenson, Paul Sidney.
*Taylor, Lieutenant Arthur.
Taylor, Ivan Marcus.
*Taylor, Captain Kenneth.
Thomas, Lieutenant Owen James.
*Thomson, Andrew B.
Trapp, Donald Joseph.
*Underhill, Charles B.
Underhill, Frederic Clair.
Underhill, James Theodore.
Wade, Sub-Lieutenant Henry Read.
Walker, John Fortune.
Wall, Captain James Thomas.
Whyte, Lieutenant Harold E.
Wilmot, Major Lemuel Allan.
Wilson, Arthur Louis.
Wilson, Lieutenant Ray Holland.
Wilson, Robert Morris.
Yates, Arthur.

MATRICULANTS.

Akehurst, Charles H. I.
Atkins, Richard Roy.
Atkinson, James H. R.
Baker, Albert M. O.
Berto, Joseph B.
Birbeck, Albert.
Campbell, Harold L.
Caple, Harold Henry.
Carlisle, Kenneth W. W.
Clendinin, Thomas.
Corsan, Stuart Glassford.
Crowe, Henry A.
Cuthbert, William Arthur.
Davenport, Harold.
Deans, William.
Dirom, Albert Munro.
*Domoney, Leslie Ira.

* Killed in action.

Douglas, Llewellyn.
Elliott, George Albert.
Ewen, Hamish.
Forrester, Norman B.
Foulkes, Godfrey Strother.
Freeman, Frank Eric.
Gray, David Peter.
Gray, Robin.
Harris, George Howell.
Hine, Robert Fraser.
Houghton, Gordon Kingsley.
Jackson, Hugh Arthur Bruce.
James, Percy F.
Jensen, Ernest A.
Jones, Russell Heber B.
King, Paul A.
Kirkup, Gilbert Walker.
Knight, Albert Leslie.
Knowling, George.
Lalonde, Maurice.
Lundie, James Athol.
Mawhinney, W. Russell.
McAllister, Thomas H.
McInnes, Hubert Campbell.
McLeod, Leighton.
McNab, Allan Graham.
Nelson, Gordon R.
Osterhout, Arthur Berson.
Ozburn, R. H.
Parfitt, Victor Raymond.
Paterson, Gilzean Walker.
Phillips, Eugene.
Reid, Robert Morgan.
Robson, Wilmot Douglas.
Ross, John H.
Rowan, Eric Reginald.
Selman, Roy G.
Small, Frederick Arthur.
Stacey, Leonard.
Stewart, James Lionel.
Taylor, Thomas Talbot.
Swenson, Arthur.
Thompson, William McNab.
Tuckey, Francis Edward.
Waterhouse, Albert Victor.
Wellband, Wilbur Arthur.
Youngs, Frank.

**ALPHABETICAL LIST OF STUDENTS AND
ADDRESSES.**

FACULTY OF ARTS.

FIRST YEAR.

Undergraduates.

<i>Name.</i>	<i>Home Address.</i>
Abel, Mary Beatrice	Vancouver.
Adam, Jessie Wallace	Vancouver.
Bancroft, Maggie	Steveston P.O.
Barker, Amy	Vancouver.
Blackhall, Marion Isabel	Vancouver.
Boldrick, Helena Elizabeth	Vancouver.
Buell, Arthur Lightfoot	North Vancouver.
Campbell-Brown, Margery	Vernon.
Cater, Lewis	Vancouver.
Chatterton, Ada Lidwill	Vancouver.
Chatters, Othello Pritchard	Vancouver.
Clark, Charles Augustus	Vancouver.
Coates, Willson Havelock	Vancouver.
Colgan, Harry Wilfred	Vancouver.
Collier, Lucie Evelyn Maud	Vancouver.
Cook, Archibald James	Marpole.
Cook, Margaret Isabel	Marpole.
Couper, Walter James	Vancouver.
Cowan, Josephine Irene	Vancouver.
Crawford, Jessie Alice	Vancouver.
Creelman, Jean Turner	Vancouver.
Cumyow, Gordon Won	Vancouver.
Cunliffe, Gladys	North Vancouver.
Currey, Ruth Seymour	Evanston, Ill.
Davidson, Jean Munro	Vancouver.
Dawe, Myrtle Fannie	Vancouver.
Day, Edwin Ethelbert	Vancouver.
Day, Marjorie	Vancouver.
de Pencier, Joseph Christian	Vancouver.
Dunsmuir, Bessie Fleming	Vancouver.
Ellard, James Eakins	Victoria.
England, Elizabeth Mary	Vancouver.
Faulkner, Everett William	Kelowna.
Foerster, Russell Earl	Neepawa, Man.
Fournier, Eugenie Ida	Vancouver.
Gill, Bonnie Helen	North Vancouver.
Gladwin, Aleen Harrison	Kerrisdale P.O.

<i>Name.</i>	<i>Home Address.</i>
Grayston, Harry Vincent	Vancouver.
Gunn, William George	Vancouver.
Hanna, Evelyn Clare	Vancouver.
Hardie, Margaret Horton	Victoria.
Harris, Ethel	Vancouver.
Harvey, Gerald Myles	Vancouver.
Hobson, Lillian Belle	Vancouver.
Hughes, Ernest Leigh	Vancouver.
Hunter, Annie Mary	Kelowna.
Hunter, Robert Russell	Vancouver.
Hutchinson, Zoe Buckley	Vancouver.
Inrig, Mary Catherine	Vancouver.
James, Gordon	Vancouver.
James, Percy Franklin	Vancouver.
Jane, Robert Stephen	Vancouver.
Johnson, Beatrice	Vancouver.
Lanning, Roland John	Ladner.
Larson, Rudolf	North Vancouver.
Leah, Constance Mary	Vancouver.
Lett, Jessie Katrina	Vancouver.
MacKenzie, Tryphena Agnes	Vancouver.
MacKinnon, George Ernest	Revelstoke.
Mann, Doris Marion	Vancouver.
Martin, George Rutherford	Vancouver.
McAlister, Peter	Vancouver.
McCallum, Daisy Jane	Vancouver.
McClay, James Gerald	Vancouver.
McDonald, Ronald Joseph	New Westminster.
McDougall, Marguerite	Victoria.
McLellan, Norman Wellington	Vancouver.
McLennan, Lester Winson	Vancouver.
McMurray, Herschel Scott	Vancouver.
Melville, John	Vancouver.
Mercer, Annie Mildred	New Westminster.
Mitchell, Marion	Vancouver.
Moe, Audrey Muriel	Vancouver.
Morris, Verna Edna	Steveston.
Morrison, Margaret Ralston	Vancouver.
Mueller, Lillie	Vancouver.
Mutch, Eva Margaret Ysobel	Vancouver.
Newberry, Hazzard Pierce	Vancouver.
Noble, Maybelle C.	Vancouver.
Nowlan, Norah Kathleen	Vancouver.
Parks, William Henry	Vancouver.
Paxman, Annis Eirene	Vancouver.
Peebles, Allon	New Westminster.

<i>Name.</i>	<i>Home Address.</i>
Porter, Gladys Gertrude	Victoria.
Pratt, Bernard Dodge	Vancouver.
Pugsley, Edmund Lee	Vancouver.
Quong, Low Sing	New Westminster.
Richardson, Christina Gertrude	Vancouver.
Robson, Margaret Watt	Kerrisdale.
Ross, Willow Katharine	Vancouver.
Roy, Henrietta	Fraser Arm P.O.
Roy, Jessie	Fraser Arm P.O.
Scharschmidt, Daphne Maud	Vancouver.
Seidelman, Rachel	Vancouver.
Shannon, Myrtle Evelyn	Vancouver.
Siddons, John Donald	Vancouver.
Smith, Adela Elizabeth	Oakalla P.O.
Smith, Ruth Emily	Vancouver.
Smith, Charles Duncan	Vancouver.
Smirl, Myrtle Vonetta	Vancouver.
Stewart, Emma Mary	Monte Creek.
Stewart, John Malcolm	Kerrisdale.
Story, John Boyd	Vancouver.
Swanson, Clarence Otto	Vancouver.
Taylor, Richard Cuthbert	Greenwood.
Thom, Marion Neilson	Vancouver.
Thompson, Gordon Maurice	Vancouver.
Thompson, Stephen Cecil Clute	Vancouver.
Thomson, Hazel Marie	Vancouver.
Tufnail, Doris	Steveston.
Ure, Agnes Margaret	Vancouver.
Usher, Alexander Murray	Marpole.
Walsh, Maud Victoria	Vancouver.
Waterston, Alexander Robert	Vancouver.
Weld, John Noel	Vancouver.
Weston, Ruth Irene	Marpole.
Wilby, George Van	Vancouver.
Wilson, Gordon Sinclair	Vancouver.
Wood, Margaret Amelia	Vancouver.

Conditioned.

Abernethy, Elizabeth Barclay	Vancouver.
Anderson, Robert Griffith	Vancouver.
Anno, Kiichi	Steveston.
Bickell, Gertrude Elizabeth	Vancouver.
Bush, Alvin Russell	Vancouver.
Capon, Maud	Vancouver.
Coray, Lewis Oswald Martin	Vancouver.
Davenport, George Austin	Vancouver.

<i>Name.</i>	<i>Home Address.</i>
Falconer, Nellie Milne	Vancouver.
Graham, Mary Eleanor	New Westminster.
Guy, Norman Ward	Vancouver.
James, Edwin Telford	Vancouver.
Kirk, Norman Leslie	South Vancouver.
Law, Frederick Charles	Vancouver.
Letcher, Alice Mildred	Vancouver.
Lyne, Dorothy Elizabeth	Vancouver.
Mathers, Nina Adell	Vancouver.
McKechnie, Eberts Mills	Vancouver.
Murtagh, Irenice Elizabeth	Steveston.
Roberts, Lorna Alexandria Lyllian.....	Vancouver.
Schell, Joseph McLure	Vancouver.
Teeple, Mary Hilda	Kerrisdale.

Partial.

Ayde, Norah Mary	Vancouver.
Armstrong, Norman Leslie	Vancouver.
Boulton, William	South Vancouver.
Chen, Shu-Yen	Canton, China.
Christie, Alexander Sellar	Ladysmith.
Crickmay, Colin Hayter	North Vancouver.
Davidson, Douglas Alexander	Vancouver.
Davis, David Roy	Vancouver.
Denham, Joseph	Vancouver.
Godfrey, Mary Eleanor	Point Grey.
Healy, Agnes Coupland	Vancouver.
Knox, Mildred Isabel	Vancouver.
Magee, Frances Ethel	Kelowna.
McKee, John Roger	Vancouver.
Meredith, Howard Jackson	New Westminster.
Munro, Robert James	Vancouver.
Rickaby, William	Joyce.
Southam, Harold Davey	Penticton.
Stoner, Reginald Prydham Gould	Vancouver.
Van Dyke, John Frank	Vancouver.
Wing, Jung Bow	China.

SECOND YEAR.

Undergraduates.

Aconley, William Thorne	Vancouver.
Agabob, Walter John	Rangoon, Brit. Burma.
Ashwell, Iris	Chilliwack.
Bain, Janet Burnett	Vancouver.
Barclay, May Lillian	New Westminster.

<i>Name.</i>	<i>Home Address.</i>
Barnwell, George Francis	Vancouver.
Brown, Magnus Forbes	Vancouver.
Cameron, Margaret Marion Burleigh.....	Vancouver.
Costley, Muriel Helen	Kamloops.
Cumyow, Harry Won	Vancouver.
Dalton, Clara Belle	Vancouver.
Dockrill, Agnes Melrose	New Westminster.
Dunlop, Harry Adam	Vancouver.
Emmons, Richard Conrad	Vancouver.
Forin, Isabel Dunn	Nelson.
Fraser, Joseph Gordon	Vancouver.
Gill, Margaret Susannah	North Vancouver.
Gintzburger, Pauline Emma	Vancouver.
Grant, Muriel	Victoria.
Gross, Alice Stockton	Vancouver.
Highmoor, Constance Elizabeth	Vancouver.
Hill, Annie Graham	Vancouver.
Hokkyo, Jun-ichi	Vancouver.
Hosang, Inglis	Vancouver.
Howard, Edith Louise	South Vancouver.
Hunter, Ellen Craig	Vancouver.
Kellie, Robert Irwin	New Westminster.
Kelman, Mildred Alice	Vancouver.
Kerr, Donna Enid	Duncan.
Ketcheson, Laura Marguerite	Hatzic.
Layton, Bessie Bacon	Vancouver.
Leckie, Claude Perrin	Vancouver.
Marwick, Edna Mary Ellen	Victoria.
Matheson, Agnes Helen	Vancouver.
Maynard, Catherine Easterby	Vancouver.
McDougall, Wilfred Robinson	Vancouver.
McGregor, Phebe Lewis	Vancouver.
McKay, Evelyn Christiana	Kerrisdale P.O.
Murphy, Eldred Almack	Vancouver.
Peck, Marjory Gowan	Vancouver.
Rollston, Eva Jean	Vancouver.
Shaw, Ian Alastair	Vancouver.
Shimizu, Kosaburo	Vancouver.
Smith, Cedric Gordon	Vancouver.
Smith, Laurence Patton	Vancouver.
Sutcliffe, William George	Vancouver.
Swencisky, Dylora Mary	New Westminster.
Thomas, Isabel Martin	Vancouver.
Trapp, Dorothy Moody	New Westminster.
Vollum, Roy Lars	Vancouver.
Wallace, Norah Elizabeth	Vancouver.

<i>Name.</i>	<i>Home Address.</i>
Wesbrook, Helen Fairchild	Vancouver.
Westwood, Douglas Arnold	Vancouver.

Conditioned.

Alexander, Merle Helena	Eburne.
Archibald, Annie Marguerite	New Westminster.
Ballentine, Ellen May	Vancouver.
Bell, William Sidney	Vancouver.
Damer, Margaret Agnes	Vancouver.
Evans, Thomas Ewart	Vancouver.
Gilley, Janet Kathleen	New Westminster.
Irvine, Florence Annabel	Vancouver.
Mann, Edith Gertrude	New Westminster.
McLean, Olive Edmondson	Victoria.
Milley, Chesley Ernest	Vancouver.
Nelson, John Cecil	Vancouver.
Weld, Charles Beecher	Vancouver.
Wolfe, Miriam Bedingfield	Vancouver.

Partial.

Bottger, Hermine Dorothea	Vancouver.
Browne, Margaret	Vancouver.
Houston, Dorothy Margaret	Vancouver.
Larmonth, Norman Douglass Beer.....	Spokane, Wash.
Middleton, Wilfred Guy Bidgood	London, Eng.
Moody, George Henry	London, Eng.
Noon, Paul Dong	Vancouver.

THIRD YEAR.

Undergraduates.

Allardyce, William John	Vancouver.
Barclay, George Chapman	Central Park P.O.
Bodie, Helena	Vancouver.
Bolton, Dorothea Blanchard	Vancouver.
Bradshaw, Kathryn Reade	Victoria.
Broatch, Angus Campbell	Moose Jaw, Sask.
Castleman, Gordon Cameron	Vancouver.
Cayley, Beverley Cochrane	Vancouver.
Chatwin, Alfred Hill	Vancouver.
Clarke, Norma Gates	Bellingham, Wash.
Clement, Elsie Bonallyn	Vancouver.
Coy, Norah Elizabeth	Vancouver.
Emmons, William Frank	Vancouver.
Frame, Eleanor Mary	Vancouver.
Fulton, Ruth Vivia	Vancouver.
Garesché, Maria Teresa	Victoria.

<i>Name.</i>	<i>Home Address.</i>
Godsmark, James Edward	Derby, Eng.
Griffith, Meiriona Ellis	Vancouver.
Harvey, Isabel	Vancouver.
Henderson, Grace Kilpatrick	Vancouver.
Hurst, Macleod Ewart	Kerrisdale P.O.
Jackson, Lorne Hugh	Vancouver.
MacArthur, Donald Moulton	Vancouver.
Manson, Catherine Dorothea	Mission City.
Marshall, Abraham Lincoln	Victoria.
Martin, Genevieve McKinnon	Vancouver.
McGuire, Stella Victorine	Vancouver.
McInnes, Harold Walker	Grand Forks.
Morrison, Agnes McKenzie	Vancouver.
Munday, Caroline Pansy	Vancouver.
Mutch, Ethel Jean	Vancouver.
Robertson, Hugh Milne	Vancouver.
Sillers, Myrtle Adela Elizabeth	Carlyle, Sask.
Tennant, Marjorie	Victoria.
Wilband, Hazel Grace	Vancouver.

Conditioned.

McIntosh, Richard Harold	Vancouver.
Richards, Edgar Charles	Victoria.
Stewart, Ruth	Vancouver.

Partial.

Boyd, Lillian Martha	Vancouver.
Godfrey, Helen Elizabeth	Point Grey.
Honeyman, Elsie	New Westminster.
Macdonald, Mary	Vancouver.
Morris, Wesley Gardiner	McKay.
Page, Virginia Carter	Vancouver.
Silk, Claude Whitehall	Penticton.
Walsh, Violet Charlotte	Vancouver.
Wright, Thomas Hall	Vancouver.

FOURTH YEAR.

Undergraduates.

Abercrombie, William Thomas	Central Park.
Abernethy, Jean Barclay	Eburne Station.
Baker, Lincoln Thompson	Vancouver.
Bayly, Milton Dawson	Chilliwack.
Buchanan, John Murdock	Steveston.
Clement, Shirley Pope	Vancouver.
DesBrisay, Merrill	Vancouver.

<i>Name.</i>	<i>Home Address.</i>
Evans, Elmer	Vancouver.
Ewin, Ethel Mary	Eburne.
Fountain, Sarah Annie	Vancouver.
Fraser, George Lovat	Vancouver.
Geoghegan, Dorothy Rachel	Somenos.
Greggor, Agnes Anne	Vancouver.
Hagelstein, Herman William	Murrayville.
Lanning, Mabel Mary	Ladner.
Lee, Annie Winifred	Vancouver.
Maynard, Margaret Emily	Vancouver.
McCrimmon, May Dwyer	Vancouver.
Mennie, John Hamilton	Vancouver.
Mounce, Marion Jean	Vancouver.
Muddell, Vera Emily	Vancouver.
Mutrie, Margaret Kathleen	Vancouver.
Newton, Edward Harold	Vancouver.
Orr, Olive May	Chilliwack.
Peck, Kathleen Margaret	Vancouver.
Pim, Laura May	Vancouver.
Pollock, Thressa Alleeta	Victoria.
Rosebrugh, Josie Pearl	Vancouver.
Russell, John	Union Bay.
Story, Evelyn Sykes	Vancouver.
Suggitt, Maizie Anne	Vancouver.
Thomson, Wesley Chantler	Vancouver.
White, Helen Margaret	Vancouver.
Wright, Leroy Charles	Vancouver.

Partial.

Day, Rachel Currey	Kerrisdale.
Logie, Edward S.	Point Grey.
Stuart, James	South Vancouver.
Taylor, Bina	Vancouver.

FACULTY OF APPLIED SCIENCE.

FIRST YEAR.

Undergraduates.

Anderson, David Gash	Vancouver.
Andrews, Henry Ivan	Vancouver.
Aylard, Clayton Leslie	Victoria.
Boomer, Edward Herbert	Vancouver.
Brown, Ivan Oswald	Vancouver.
Bush, Waldo Murray	Vancouver.
Callaghan, James Gordon	Vancouver.
Caspell, Edmund Vanderburg	Vancouver.

<i>Name.</i>	<i>Home Address.</i>
Coles, Eric Morrell	Vancouver.
Doyle, Harold	Birkenhead, Eng.
Glen, Herbert Douglas Stewart	Enderby.
Hardie, Roderick Campbell	Beaumont P.O.
Healy, Margaret Louise	Vancouver.
Hillis, Bruce Sinclair	Vancouver.
James, Howard Turnbull	Vancouver.
MacDonald, Jack Lorraine	Vancouver.
McKechnie, Donald Cowan	Marpole.
McQueen, Donald William	Vancouver.
Meekison, William Andrew Gordon.....	Vancouver.
Melville, Andrew Harry	Vancouver.
Tamenaga, Seiji	Japan.
Thomson, William Gregg	Vancouver.
Wallace, Douglas Archibald	Vancouver.
Watson, James	Vancouver.
Yonemoto, Shinji	Japan.
York, Lionel Charles	Vancouver.

Conditioned.

Anderson, Sydney	Vancouver.
Crann, Benjamin	Vancouver.
Rebbeck, James Waller	Capilano P.O.
Turnbull, Archie John William	Vancouver.

SECOND YEAR.

Undergraduates.

Archibald, Aubrey Parker	Victoria.
Bullard, Russell Joseph	Vancouver.
Gilchrist, George Gladstone	Point Grey.
Gray, William John	Vancouver.
Hatch, William George	Vancouver.
LeMessurier, Thomas	Vancouver.
Livingstone, Warren	Vancouver.
Morrison, Donald McKay	Vancouver.
Stedman, Horace George	Vancouver.
Tamura, Kikuichi	Steveston.

Conditioned.

Page, Henry Nicols	Vancouver.
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Partial.

McPhee, Roland	South Vancouver.
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THIRD YEAR.

Undergraduates.

Bullard, Lloyd Francis	Vancouver.
Drewry, John Haworth	Victoria.

<i>Conditioned.</i>	
<i>Name.</i>	<i>Home Address.</i>
Austin, Clarence Ward	Kamloops.
Williams, Joseph Augustine	Whitehorse, Yukon.

FOURTH YEAR.

Undergraduate.

Wright, Charles Alfred Holstead Vancouver.

Partial.

Eldridge, Gardner S. Vancouver.

The following attended the Short Course in Horticulture:—

<i>Name.</i>	<i>Home Address.</i>
Abbott, George Stanley	Esquimalt.
Baker, Jesse A.	West Point Grey.
Black, William Peacock	Vancouver.
Burns, John Lyon	Hammond.
Cashman, James Francis Joseph	Vancouver.
Cashman, Mrs. James Francis Joseph	Vancouver.
Coventry, Edward W.	Penticton.
Dalton, Edith Evelyn	Vancouver.
Filby, Horace Alan	Victoria.
Garnett, James Gardner	West Point Grey.
Gilley, Isa B. Evva	New Westminster.
Gray, John Russell	Vancouver.
Greig, James	Central Park.
Higgins, Nana Beck	Marpole.
Hill, Albert Ernest	Kelowna.
Jones, Clara B.	Point Grey.
Oldfield, Henry Clarence	Victoria.
Plowden, Winifred	Plowden Bay, Howe
Pybus, Henry	Vancouver. [Sound.
Radermacher, Clarisse	Vancouver.
Raney, Frank Chalmers	Kerrisdale.
Roberts, Frederick Charles	Vancouver.
Robertson, Neil	Vancouver.
Swanson, C. G.	Vancouver.
Tyson, John	Vancouver.
Waring, Frederick	Vancouver.
Watson, Thomas	Victoria.

The following attended the Short Course in Mining:—

<i>Name.</i>	<i>Home Address.</i>
Berry, Muriel Aileen	Vancouver.
Breeze, John Francis	Atlin.
Brodsky, Sam	Vancouver.
Buckworth, Arthur Bernard	Vancouver.
Campbell, James Boswell	Vancouver.
Child, Edgar	Prince George.
Collins, John Frederick	North Vancouver.
Dunham, John	Atlin.
Eveleigh, Sydney Morgan	Vancouver.
Falconer, Bertram Alfred	Steelhead.
Filby, Horace Alan	Victoria.
Gilley, Isa B. Evva	New Westminster.
Grantham, Frederic Charles	Vancouver.
Kearns, John Dominic	Vancouver.
Kirkwood, Robert James	Vancouver.
Lawley, Herbert George	Nelson.
Macleod, George Corbett	Vancouver.
Marvin, Ralph E.	Vancouver.
Mayer, George Stanley	Port Clements.
Miller, Sidney Wilfred	Vancouver.
Pallen, Ernest Haviland	Vancouver.
Peardon, James Edgar	Jubilee.
Smith, Thomas John	Vancouver.
Swanson, C. G.	Vancouver.
Wallbridge, A. H.	Vancouver.
Wiggins, Munroe Charters	North Vancouver.
Winkler, George Edgar	Victoria.

The following enrolled as students of the University of British Columbia but enlisted for overseas before the opening of the session:—

Banfield, William Orson	Vancouver.
Cross, Harry	Victoria.
Elliott, George Albert	Nelson.
Gregg, Elwyn Emerson	Vancouver.
Nagle, Hilton Alexander	Nelson.
Pearse, Hubert Arnold	Atlin.
Rose, Hedley Alexander	Eburne.
Ure, William	Dundarave.
Usher, Charles	Marpole.

The following joined the Officers' Training Corps:—

Brown, Rev. J. G., M.A.	Vancouver.
Clark, George W., M.A.	South Vancouver.

<i>Name.</i>	<i>Home Address.</i>
Fairey, Francis	Vancouver.
Gibson, Henry James, B.A.	Vancouver.
Jackson, Rev. M. H., M.A.	Vancouver.
Laffère, Henry W. L., B.A.	South Vancouver.
McKinnon, George W., B.A.	South Vancouver.
Morrow, William H., B.A.	Vancouver.

The following joined the class for Vocational Training of Returned Soldiers:—

Anderson, J.	Vancouver.
Watson, William Russell	Vancouver.
Wilcock, Fred.	Esquimalt.

SUMMARY OF ATTENDANCE, SESSION 1916-17.

MEN.

Year.	Under-graduates.	Conditioned.	Partial.	Total.
Arts, IV.	13	.....	2	15
III.	14	2	3	19
II.	21	5	4	30
I.	52	11	16	79
				— 143
Applied Science, IV.	1	.....	1	2
III.	2	2	.....	4
II.	10	1	1	12
I.	25	4	.....	29
				— 47
				190

WOMEN.

Arts, IV.	21	.....	2	23
III.	21	1	6	28
II.	32	9	3	44
I.	67	11	5	83
				— 178
Applied Science, I.	1	.....	.....	1
				— 1
				179
				369

<i>Brought forward</i>			369
Enrolled as students of the University but enlisted before beginning of session			9
		Women. Men.	
Short Course in Horticulture	7	20	27
Short Course in Mining	2	25	27
Vocational Training, Returned Soldiers	3		3
Officers' Training Corps	8		8
Total			443

PASS LISTS, SESSIONAL EXAMINATIONS, 1916-17.

FACULTY OF ARTS.

SIR THOMAS TAYLOR PRIZES.—Caroline Pansy Munday, prize, \$25, for Essay on "Nature in Canadian Poetry"; Evelyn Christiana McKay, prize, \$25, for Essay on "Reorganization of Canada as a Social Democracy."

FOURTH YEAR.

MEDAL AND PRIZES.—Olive May Orr, Governor-General's Medal and prize of \$25; John Hamilton Mennie, second prize, \$25; Thressa Aleeta Pollock, third prize, \$15.

GRADUATING CLASS.

* John Hamilton Mennie and Leroy Charles Wright, having enlisted for service overseas, are granted the Degree without examination.

PASSED.

(Names in Order of Merit.)

Class I.

Orr, Olive May.
Mennie, John Hamilton.
Pollock, Thressa Aleeta.
Suggitt, Maizie Anne.
Mounce, Marion Jean.

Baker, Lincoln Thompson.
Fraser, George Lovat.
Peck, Kathleen Margaret.
Story, Evelyn Sykes.

Class II.

Ewin, Ethel Mary.
Clement, Shirley Pope.
Evans, Elmer.
Newton, Edward Harold.

Abercrombie, William Thomas.
Bayly, Milton Dawson.
McCrimmon, May Dwyer.
DesBrisay, Merrill.

* Has also qualified by examination.

Abernethy, Jean Barclay.	Rosebrugh, Josie Pearl.
Lanning, Mabel Mary.	Hagelstein, Herman William.
White, Helen Margaret.	Thomson, Wesley Chantler.
Russell, John.	Buchanan, John Murdock.
Pim, Laura May.	Mutrie, Margaret Kathleen.
Fountain, Sarah Annie.	Muddell, Vera Emily.
Geoghegan, Dorothy Rachel.	Lee, Annie Winifred.

PASSED.

Agnes Anne Greggor.

Margaret Emily Maynard (ægotat).

COURSE LEADING TO THE M.A. DEGREE.

Mr. E. S. Logie has completed one of the two years of this course, passing in Economics (major) and in History and Ethics (minors).

FACULTY OF ARTS—FOURTH YEAR.

CHEMISTRY, 7 (PARTIAL COURSE).

Passed.—Mennie and Russell.

LATIN.

Class I.—Mounce, Munday, A. M. Morrison, Abercrombie and Fountain, Tennant, McInnes and Pollock, Newton.

Class II.—G. C. Barclay, Garesche, McCrimmon.

Passed.—N. G. Clarke and Jackson.

DIFFERENTIAL EQUATIONS.

Class I.—Orr, Mennie.

Class II.—Buchanan.

Passed.—Russell.

THEORY OF EQUATIONS.

Class I.—Orr, Russell, Mennie.

Class II.—Buchanan.

FACULTY OF ARTS—THIRD AND FOURTH YEARS.

CHEMISTRY, 3—ORGANIC.

Class I.—Marshall and Mennie, W. F. Emmons.

Class II.—Russell, G. M. Martin.

Passed.—McIntosh and Robertson.

PHYSICAL CHEMISTRY (CHEMISTRY, 4).

Class I.—Mennie, Marshall, Russell.

Class II.—W. F. Emmons.

Passed.—McIntosh.

ECONOMICS, 2.

Class I.—Orr, Baker, G. L. Fraser.

Class II.—E. S. Story, Logie, W. C. Thomson, Rosebrugh, Godsmark.

Passed.—Pim, Ewin, Lee, Geoghegan.

ECONOMICS, 3.

Class I.—Bayly, G. L. Fraser.

Class II.—Baker, Hagelstein and Logie, Abercrombie, Desbrisay, R. Stewart, Chatwin, Castleman.

Passed.—W. C. Thomson, T. H. Wright.

ENGLISH, 6—TENNYSON AND BROWNING,

Class I.—K. M. Peck, and Suggitt, Munday, I. Harvey, McCrimmon and Mounce.

Class II.—Bradshaw and Godsmark and McGuire, Muddell and Orr and E. S. Story and White, Geoghegan and M. Browne and M. Macdonald, J. B. Abernethy, Garesche, Castleman and DesBrisay and Fulton, Bayly and Lee, Boyd, Bodie and E. B. Clement and Manson and G. M. Martin.

Passed.—S. P. Clement and W. C. Thomson, Robertson, Fountain and Rosebrugh, Frame, Chatwin and Hagelstein, R. Stewart, Henderson and Mutrie, Newton, Sillers.

ENGLISH NOVEL (ENGLISH, 8).

Class I.—Suggitt, K. M. Peck, G. L. Fraser and I. Harvey, E. S. Story, Mounce, Wilband, Baker, McCrimmon.

Class II.—McGuire and McInnes, Ewin, Hagelstein, Coy, Muddell, E. B. Clement and White, Browne and Cayley and Rosebrugh, Bayly and W. C. Thomson, J. B. Abernethy and M. Macdonald, S. P. Clement and DesBrisay, B. Taylor.

Passed.—M. M. Lanning, Fountain, Lee and Mutrie and Tennant, D. B. Bolton, Greggor and V. C. Walsh.

FRENCH.

Class I.—S. P. Clement, Pollock, Griffith, K. M. Peck, Newton, Geoghegan and Wilband.

Class II.—Suggitt, Bradshaw, Bodie, M. Macdonald and Mounce, McCrimmon and McGuire, J. B. Abernethy and Henderson.

Passed.—N. G. Clarke, White, Muddell.

GERMAN.

Class I.—Griffith.

Class II.—K. M. Peck.

Passed.—Muddell, A. M. Morrison, Hagelstein.

HISTORY, III.

Class I.—Hagelstein and Logie.

Class II.—Godsmark, Lee and E. M. McKechnie, A. M. Morrison, E. Evans, Rosebrugh.

Passed.—W. C. Thomson.

HISTORY, 4.

Class I.—Bayly and G. L. Fraser and Suggitt, Baker, M. Macdonald, E. S. Story, J. B. Abernethy and DesBrisay and B. Taylor.

Class II.—Ewin and White, Sillers, W. Boulton and Pim, Cayley, Bodie, E. J. Mutch, Hurst, Castleman and R. Stewart, Fountain, D. B. Bolton and Lanning and Mutrie, Chatwin.

Passed.—Broatch and Buchanan, Manson and Richards, Henderson, MacArthur and T. H. Wright.

MORAL PHILOSOPHY.

Class I.—Orr, Baker, Pollock, Wilband.

Class II.—Godsmark, S. P. Clement and G. L. Fraser, Griffith, A. M. Morrison, Bradshaw and McInnes, Broatch, V. C. Walsh, Rosebrugh, Tennant, Bayly.

Passed.—Manson, Geoghegan, Hurst, E. B. Clement, Jackson and Lee, McGuire.

SPANISH.

Class I.—Griffith, Mounce, Pollock, Newton.

Class II.—McCrimmon, Geoghegan, E. M. Mutch.

Passed.—V. C. Walsh.

FACULTIES OF ARTS AND APPLIED SCIENCE—SECOND AND THIRD YEARS.

MINERALOGY, 1.

Class II.—L. F. Bullard, Williams.

Passed.—Gray, Robertson.

FACULTY OF ARTS—THIRD YEAR.

SCHOLARSHIPS AND PRIZES.—Abraham Lincoln Marshall, first scholarship, \$75; Caroline Pansy Munday, second scholarship, \$75; Ruth Vivia Fulton, first prize, \$25; Edgar Charles Richards, second prize, \$15.

William John Allardyce, having enlisted for overseas service, is granted his standing.

Class I.—Marshall, Munday, Fulton, C. Richards, W. F. Emmons.

Class II.—I. Harvey, Griffith, G. C. Barclay and Godsmark and McInnes, Wilband, Bradshaw, E. J. Mutch, Hurst, Garesche, A. M. Morrison, G. M. Martin, Broatch, Tennant, McGuire, Castleman, Sillers (S), E. B. Clement, Cayley, Bodie (S), McIntosh (S), Henderson, Frame, Manson.

Passed.—Coy (S), R. Stewart (S), Robertson, Chatwin, D. B. Bolton, N. G. Clarke (S), Jackson (S).

BACTERIOLOGY.

Class I.—W. F. Emmons.

Class II.—I. Harvey, Silk.

Passed.—Sillers, G. M. Martin, Griffith.

ENGLISH COMPOSITION.

Class I.—Munday, M. Macdonald and McGuire, Bradshaw and I. Harvey.

Class II.—Hurst, M. Browne, Wilband, Cayley and A. M. Morrison, Bodie and Henderson and E. J. Mutch, Castleman, Richards, Griffith, Coy and Godsmark, G. M. Martin, Marshall, McInnes.

Passed.—Fulton, Chatwin and Garesche, Broatch and E. B. Clement and Robertson, R. Stewart, McIntosh and Tennant, W. F. Emmons and Frame and Jackson and V. C. Walsh, D. B. Bolton and N. G. Clarke and Manson and G. C. Barclay.

DRAMA—ENGLISH, 5.

Class I.—Munday, Bradshaw and A. M. Morrison.

Class II.—G. M. Martin, E. J. Mutch, Hurst, Broatch, Garesche, Castleman, D. B. Bolton.

Passed.—Chatwin and Manson, Coy, Frame and Henderson, R. Stewart.

GREEK.

Class I.—Godsmark.

Class II.—G. C. Barclay.

Passed.—V. C. Walsh.

LATIN.

Class I.—Fulton and Munday, G. C. Barclay, McInnes, Garesche.

Class II.—M. M. Lanning, Castleman, E. B. Clement, Tennant, Cayley.

Passed.—R. Stewart, Chatwin and Wilband, N. G. Clarke.

ANALYTIC GEOMETRY.

Class I.—Marshall, Richards.

Class II.—McIntosh and E. J. Mutch.

FACULTIES OF ARTS AND APPLIED SCIENCE—SECOND, THIRD, AND FOURTH YEARS.

GEOLOGY, 2.

Class I.—Hurst, E. J. Mutch, Pim, E. Evans, Broatch and Sutcliffe, G. C. Barclay and Richards.

Class II.—Damer, L. F. Bullard, Bain, Kelman and Swencisky, Barnwell, MacArthur and Williams, Austin, Wolfe.

Passed.—Westwood, Abercrombie and Buchanan, R. R. Brown, Hill, H. W. Cumyow, Aconley.

FACULTIES OF ARTS AND APPLIED SCIENCE—SECOND AND THIRD YEARS.

CHEMISTRY, 2.

Class I.—Fulton, Barnwell, Shaw, Vollum, Kerr, W. F. Emmons.

Class II.—Robertson, E. Evans, G. M. Martin, I. Harvey, McIntosh, Abercrombie, L. F. Bullard.

Passed.—Frame, Aconley, Silk, Williams, Hill.

CHEMISTRY, 5.

Class I.—Mennie, C. A. H. Wright, Russell.

Class II.—Marshall.

FACULTIES OF ARTS AND APPLIED SCIENCE—THIRD AND FOURTH YEARS.

ELECTRO-CHEMISTRY (CHEMISTRY, 8).

Class I.—W. F. Emmons and C. A. H. Wright.

FACULTIES OF ARTS AND APPLIED SCIENCE—SECOND AND THIRD YEARS.

CALCULUS.

Class I.—Stedman, Marshall.

Class II.—R. J. Bullard, Richards, McPhee, E. J. Mutch.

Passed.—McIntosh, Gray.

FACULTY OF ARTS—SECOND YEAR.

SCHOLARSHIPS AND PRIZES.—Ian Alastair Shaw, first scholarship, \$75; Evelyn Christiana McKay, second scholarship, \$75; Laurence Patton Smith, first prize, \$25; Isabel Martin Thomas, second prize, \$20; Muriel Grant, third prize, \$15.

The following, having enlisted for service overseas, are granted their standing: Wilfrid Robinson McDougall, Charles Beecher Weld.

Claude Perrin Leckie, having enlisted for service overseas, is allowed to complete in two years.

Class I.—Shaw, McKay, L. P. Smith, Thomas, Grant.

Class II.—Gintzburger, Highmoor and N. E. Wallace, Howard, Costley and Mann, Hosang, Sutcliffe, Cameron, Ashwell and Westbrook, Dalton, Shimizu, Barnwell, Vollum, Gross, Matheson, M. G. Peck, Kerr and McGregor, M. L. Barclay, Swencisky.

Passed.—Rollston, Ketcheson, Dockrill and Marwick (S), Trapp (S), Dunlop (S), Bain, Murphy, A. M. Archibald (S) and Damer (S) and Kellie, McLean (S), Forin and E. C. Hunter (S), Kelman (S), Agabob, Bell (S), Layton, Wolfe (S), Irvine (S), M. F. Brown (S)

and R. C. Emmons (S) and Nelson (S), Milley (S), Ballentine (S), Aconley (S), Hill (S), Hokkyo (S), C. G. Smith (S), Westwood (S), Alexander (S), Gilley (S).

J. G. Fraser and C. E. Maynard (ægotat).

ENGLISH COMPOSITION.

Class I.—Grant, McKay and N. E. Wallace, Highmoor, Cameron, M. G. Peck, Hosang and Ketcheson and Shaw and Thomas and Wesbrook.

Class II.—Mann and Marwick, Shimizu, Damer and Gintzburger and Matheson, Gilley and McGregor, Alexander and Bottger and Irvine and Sutcliffe, Vollum, L. P. Smith, Forin and Swencisky, Hill and Murphy, Costley and Gross, Rollston, Agabob and M. S. Gill and Howard and C. G. Smith.

Passed.—Ashwell and Bain and Dalton, M. L. Barclay and Dockrill, McLean, Kerr, Bell and Layton and Wolfe, Barnwell and Kellie, Ballentine, A. M. Archibald and Dunlop and Milley, H. W. Cumyow and R. C. Emmons.

ENGLISH LITERATURE.

Class I.—Grant, Cameron, Thomas, Shaw, McKay, Costley and Highmoor and Wesbrook.

Class II.—Howard, Houston and Marwick, Gintzburger and N. E. Wallace, Sutcliffe, Mann, Ketcheson and M. G. Peck and Shimizu, Kerr, Gilley and Hosang and Rollston and L. P. Smith, Agabob and Barnwell and Layton.

Passed.—Ashwell and Damer and McGregor and Swencisky, Vollum, Matheson, Gross, Bain and Dalton and E. C. Hunter and Irvine, Ballentine and Bell and Forin and Kellie, Alexander and Dockrill and McLean and Murphy, A. M. Archibald and M. L. Barclay, Bottger, Kelman and Trapp.

FRENCH.

Class I.—Gintzburger and N. E. Wallace.

Class II.—Hosang, Vollum, Ashwell, Thomas, Matheson, Costley and Dunlop, Grant and Highmoor, Cameron and McKay, Forin and McLean, Bottger and Dalton and Kelman and Wesbrook.

Passed.—Rollston, Barnwell and M. G. Peck, Bain and McGregor, Dockrill and Kellie, Gill, M. L. Barclay and M. F. Brown and Kerr and Milley and Murphy.

GERMAN.

Class II.—Gintzburger, Bottger.

Passed.—Bain.

GREEK.

Class I.—Mennie, L. P. Smith.

Class II.—Russell and Shimizu.

Passed.—Agabob and R. C. Emmons and Hokkyo and C. G. Smith.

LATIN.

Class I.—Shaw, McKay and L. P. Smith, Dalton and Thomas, Highmoor.

Class II.—Gross, Murphy, Ashwell and Costley, Kellie, Howard and Mann, E. C. Hunter, Marwick and Shimizu, A. M. Archibald and Layton, M. L. Barclay, Dockrill and McGregor, Dunlop and McLean.

Passed.—Sutcliffe, Rollston and Swencisky, Ketcheson, R. C. Emmons, Bell, Agabob and Boyd and C. G. Smith, M. F. Brown and Forin and Irvine.

LOGIC.

Class I.—Howard, Grant.

Class II.—N. E. Wallace, Shimizu.

Passed.—Sutcliffe, McGregor, Hosang and Matheson and Swencisky, R. C. Emmons, Gilley, Agabob and Forin and Ketcheson and Nelson.

PSYCHOLOGY.

Class I.—Grant and Howard, Highmoor and N. E. Wallace.

Class II.—McGregor and Shimizu, Hosang, Matheson, Layton, Sutcliffe, Middleton, Ketcheson.

Passed.—Hokkyo, Forin, R. C. Emmons and Nelson and Swencisky, Agabob, Gilley and Marwick.

ALGEBRA.

Class I.—L. P. Smith, Thomas, M. L. Barclay, N. E. Wallace.

Class II.—Matheson, Dalton, Highmoor, Howard and Mann.

Passed.—Kerr, A. M. Archibald, Layton.

FACULTY OF ARTS AND SCIENCE.

CHEMISTRY, I.

Class I.—Swanson, McLennan, Hutchinson, Stedman, G. M. Harvey, J. B. Story and Waterston, G. M. Thompson.

Class II.—Ashwell and J. Melville and A. E. Smith, R. J. Bullard, Jane, E. E. Day, Graham and Wilby, G. James, E. M. Stewart, R. R. Hunter and McClay, Gross and Leah and Westbrook, Gilchrist and McLellan and Peebles and Usher.

Passed.—J. M. Stewart and Weston, Schell, Christie and D. M. Morrison and Pratt, Gunn and Kellie, Hughes and McPhee and Meredith and M. V. Walsh, A. J. Cook and Crickmay, Davenport and G. R. Martin and McLean, R. G. Anderson and Capon and Colgan and Dawe and Gray and P. F. James and MacKenzie and Murtagh and Siddons.

FACULTY OF ARTS—SECOND, THIRD, AND
FOURTH YEARS.

BIOLOGY.

Class I.—Ewin and E. S. Story, W. F. Emmons, Fulton, Mutrie and Trapp.

Class II.—Allardyce and Lanning and Shaw, I. Harvey, Frame, Coy, Sillers, C. B. Weld, T. E. Evans, Bodie.

Passed.—Silk, Westwood.

BOTANY.

Class I.—E. S. Story, Ewin and Fulton and I. Harvey and Lanning, W. F. Emmons and Sillers, Shaw.

Class II.—Mutrie and Trapp, Frame.

Passed.—T. E. Evans and Westwood, Coy.

ECONOMICS, 1.

Class I.—Orr, McKay, Sutcliffe, Buchanan, Gintzburger and Hosang, Hurst and G. M. Martin, E. Evans, E. J. Mutch.

Class II.—Abercrombie and Broatch and Cameron and Fulton and Greggor and Jackson and M. G. Peck and Trapp, Dockrill and Grant and Mann and Pim, Wesbrook, Ewin, Costley, Munday, Bottger, Fountain and Nelson, Bell, Gross, R. C. Emmons.

Passed.—Ketcheson, Milley, Rollston, Wolfe, Frame, Ballentine and Marwick and Mutrie, A. M. Archibald and Irvine and Murphy.

HISTORY, 2 AND 5.

Class I.—Suggitt, Orr, S. P. Clement and Henderson, White, Gintzburger, J. B. Abernethy, B. Taylor, M. G. Peck.

Class II.—Lee and K. M. Peck, Cameron and Costley and Des Brisay and E. Evans and M. Macdonald, Hagelstein and Manson and Muddell, Hosang, Abercrombie and M. M. Lanning and Trapp, E. B. Clement and Damer and Ketcheson and Newton, Bottger and Coy and E. C. Hunter and W. C. Thomson and Wesbrook, Tennant, Bradshaw, Ballentine and McGuire and Rosebrugh, Mutrie and Rollston, Grant, Alexander.

Passed.—Frame and Murphy, Dockrill, Bell and D. B. Bolton and Nelson, A. M. Archibald and Gross and Marwick, Wolfe, Irvine, Milley.

MECHANICS (PHYSICS, 2).

Class I.—Richards, Marshall.

Class II.—E. Evans, Dunlop, McIntosh, Buchanan.

Passed.—Robertson, M. F. Brown, Cayley and Greggor, D. B. Bolton and Milley and Vollum, Pim.

FACULTIES OF ARTS AND APPLIED SCIENCE—SECOND AND THIRD YEARS.

ELECTRICITY AND MAGNETISM.

Class I.—Marshall, Stedman.

Class II.—R. J. Bullard.

Passed.—McPhee.

FACULTY OF ARTS—FIRST YEAR.

SCHOLARSHIPS AND PRIZES.—Clarence Otto Swanson, first scholarship, \$75; Ethel Harris, second scholarship, \$75; Henrietta Roy, third scholarship, \$75; Walter James Couper, first prize, \$25; John Boyd Story, second prize, \$15; George Ernest MacKinnon, third prize, \$10.

Class I.—Swanson, Harris, H. Roy, Couper, J. B. Story, MacKinnon, Davis (M), G. M. Thompson, Coates, E. B. Abernethy (C), J. Roy, Hanna and J. Melville, McLennan.

Class II.—Nowlan, G. M. Harvey, Thom, Hutchinson, Bancroft, Gladwin, G. James, Dunsmuir, Inrig and Jane and Porter, M. H. Hardy and McClay and Pugsley, E. M. Stewart, E. E. Day, A. E. Smith and Tufnail, Parks, V. E. Morris, Campbell-Brown, J. N. Weld, M. Day and E. T. James (C), Adam (S) and Foerster and Leah, Waterston (S), Cunliffe, M. I. Cook and J. M. Davidson, Meredith (M), Fournier (S) and M. McDougall and Scharschmidt, Weston, Peebles, R. G. Anderson (C), Colgan and Usher.

Passed.—C. A. Clark, Gunn, A. M. Hunter, McLellan and Wilby (S), Collier (S) and A. J. Cook and Law (C) and (S), C. D. Smith and Christie (M), R. R. Hunter (S) and MacKenzie, Dawe, G. R. Martin, Barker (S) and R. E. Smith, Bickell (C) and (S), McCallum (S) and A. M. Mercer (S) and R. C. Taylor (S), McMurray (S), Chatters (S) and Capon (C) and (S) and Newberry (S), Graham (C) and (S), Siddons and Magee (C) and (S), Boldrick (S) and Noble (S) and Ure (S) and Schell (C) and (S), Crickmay (M) and (S), Mueller (S) and M. V. Walsh (S), Ellard (S), Murtagh (C) and (S), Hughes (S) and Wood (S), Creelman (S), Blackhall (S), Robson (S), Shannon (S), Crawford (S), M. R. Morrison (S), G. W. Cumyow (S) and dePencier (S), Davenport (C) and (S) and P. F. James (S), Wilson (S), Hobson (S), Roberts (C) and (S), Coray (C) and (S).

Anno, England, and Pratt granted supplementals under special circumstances.

E. M. Mutch completes First Year in Arts.

Richardson completes Senior Matriculation.

Rickaby and Southam, partial students, enlisted for service overseas.

ENGLISH COMPOSITION.

Class I.—Couper and H. Roy, Harris, Campbell-Brown, Law and J. Roy, MacKinnon, J. B. Story, Coates and V. E. Morris, E. B. Abernethy and Swanson, M. I. Cook and Gladwin and Pugsley.

Class II.—Bancroft and G. M. Thompson and Ure, Davenport and M. H. Hardie and G. M. Harvey and Tufnail, MacKenzie and Scharschmidt, Davis and Nowlan and Pratt, Denham and Leah and McCallum and E. M. Stewart, A. C. Healy, Porter, McClay, C. A. Clark and A. J. Cook and Dunsmuir and Inrig, Crickmay and J. Melville, Fournier and Gunn and Magee and M. R. Morrison and Newberry and Usher, Barker and dePencier and G. James and M.

McDougall and Noble and Thom and Wilby, Boldrick and Hanna and McMurray and Parks and C. D. Smith and J. M. Stewart and M. V. Walsh and Wilson, Cunliffe and J. M. Davidson and Hutchinson and Weston, Collier and Ellard and Robson and Schell and H. M. Thomson and J. N. Weld.

Passed.—Adam and Chatters and Chatterton and Creelman and E. E. Day and A. M. Hunter and G. R. Martin and Murtagh, Crawford and E. T. James and R. R. Hunter and McLennan and Meredith and Wood, Anderson and Colgan and Graham and A. E. Smith and Waterston, E. M. McKechnie and Mueller and Peebles and Roberts and Smirl, Christie and Foerster and Rickaby, M. Day and P. F. James and A. M. Mercer, Anno and Faulkner and Siddons, Capon and Hughes and Jane, Adye and Blackhall and Coray and Currey and Hobson and R. E. Smith and S. C. C. Thompson, Dawe and England and McLellan and R. C. Taylor.

HISTORY, I.

Class I.—Harris, W. Boulton, Nowlan, G. M. Harvey and MacKinnon and H. Roy, Hanna and M. H. Hardie and McLellan, Couper and E. E. Day, J. M. Davidson and R. R. Hunter and J. Roy and G. M. Thompson.

Class II.—Scharschmidt, Davis and Gunn, Colgan and A. J. Cook and E. T. James and M. McDougall, Dunsmuir and Foerster and McClay, McLennan and Pratt and Schell, Dawe and Jane and Porter, Denham and McMurray and M. R. Morrison and Mueller and Peebles and J. B. Story and Swanson, Coates and Cunliffe and M. Day, Campbell-Brown and M. I. Cook and Leah and E. M. McKechnie and V. E. Morris and Pugsley, E. B. Abernethy, Abel, G. H. Martin and Newberry and E. M. Stewart and Ure and Waterston, Gladwin and Noble and J. M. Stewart, Creelman and Davenport, R. G. Anderson and Meredith and C. D. Smith.

Passed.—Chatters and Collier and Law and Siddons and Weston, Hutchinson and MacKenzie and Wilson, Barker and Boldrick and Currey and Wood, Christie and P. F. James and Thom and Usher and J. N. Weld, Crawford and G. W. Cumyow and G. James and Tufnail, Adam and Bickell and Inrig, Blackhall and S. C. C. Thompson and Wilby, C. A. Clark and Fournier and R. E. Smith, Hobson and H. M. Thomson, Anno and Bancroft and Capon and Chatterton and Coray and dePencier and A. M. Hunter and Lett and Magee and J. Melville and Parks and Rickaby and Shannon and A. E. Smith and R. C. Taylor and M. V. Walsh and England.

ENGLISH LITERATURE.

Class I.—Harris, E. B. Abernethy, Hanna and M. H. Hardie and Porter and G. M. Thompson, H. Roy and J. Roy, Leah and MacKinnon and Swanson.

Class II.—Cunliffe, E. T. James, Campbell-Brown and M. Day and Foerster and Inrig and Nowlan, Fournier and R. E. Smith and E. M. Stewart, Magee and V. E. Morris, Coates and Scharschmidt, Couper and Jane and Law and M. McDougall, G. M. Harvey and McClay, Creelman and Dunsmuir, Adam and Collier and Gladwin and Pugsley, Anno and M. I. Cook and Davis and McLellan and J. B. Story and J. N. Weld and Wood.

Passed.—Abel, Davidson and E. E. Day and G. James and A. E. Smith and Tufnail, Denham and Mueller, Bancroft and Coray and Davenport and Hobson and E. M. McKechnie and Wilson, Barker and Capon and Colgan and A. C. Healy and A. M. Hunter and R. R. Hunter and MacKenzie and M. R. Morrison and Murtagh and Thom and Ure, A. J. Cook and Dawe and McCallum, Schell, L. L. Bolton and Hutchinson and Peebles, Blackhall and Chatters and Crawford and Lett and Parks and Siddons and H. M. Thomson, Adye and R. G. Anderson and Christie and C. A. Clark and dePencier and England and Gunn and G. R. Martin and McLennan and McMurray and J. Melville and Meredith and Newberry and Noble and Roberts and Robson and Shannon and Smirl and C. D. Smith and Usher and Weston.

FRENCH.

Class I.—Harris, Hanna, Bancroft, E. B. Abernethy and Thom, Gladwin, J. Melville, H. Roy, Coates and Davis and MacKinnon and J. Roy and Tufnail.

Class II.—E. T. James and Law and Pugsley and J. N. Weld, G. M. Harvey and V. E. Morris, Adam and Dunsmuir and Wilby, Fournier and Parks and C. D. Smith, Campbell-Brown and M. I. Cook and Collier and M. Day and Richardson, E. M. Mutch and Porter, Ure, Inrig and MacKenzie and McLennan, R. R. Hunter, M. H. Hardie and Nowlan and Scharschmidt.

Passed.—R. G. Anderson and A. M. Hunter and Leah and Wood, R. C. Taylor, Graham, Foerster and Smirl, Colgan and Cunliffe and Hobson and McCallum and Murtagh, M. McDougall, A. C. Healy and Hughes and Jane and Siddons and dePencier, Ross, Blackhall and Boldrick and C. A. Clark and Coray and Crawford and Creelman and J. M. Davidson and Magee and McLellan and Mitchell and M. R. Morrison and Roberts and Robson and Schell and R. E. Smith and Wilson.

GERMAN.

Class I.—McKay, Thom.

Passed.—Cameron and Mueller and M. G. Peck, E. M. Mutch, Anno and England.

BEGINNERS' GERMAN.

Class II.—Davis, Pugsley.

Passed.—C. D. Smith.

GREEK.

Class I.—Couper.

Class II.—Garesché.

LATIN.

Class I.—Couper, Swanson, MacKinnon and H. Roy, G. M. Thompson, Harris, J. B. Story, Bancroft and C. A. Clark and Nowlan, E. B. Abernethy and Dunsmuir.

Class II.—Hanna and J. Roy and Tufnail, Coates, V. E. Morris and Porter, Scharschmidt, M. McDougall and Parks, Fournier, Adam and G. James, M. I. Cook and Inrig and E. T. James, Campbell-Brown and A. E. Smith, Cunliffe and McClay, McCallum and E. M. Stewart, M. H. Hardie, J. M. Davidson and E. E. Day and Gladwin and Mitchell and Mueller and Weld.

Passed.—Anno and Shannon, Barker and Gunn, Law and Peebles and Robson and R. C. Taylor and Weston, Blackhall and Boldrick and Collier and P. F. James, Foerster and A. M. Hunter, A. J. Cook and Currey and McMurray and Ross and Waterston, Ellard and R. E. Smith and Ure, Coray and M. Day and Usher, Christie and A. M. Mercer, Bickell and Chatters and Cumyow and Dawe and England and Hutchinson and G. R. Martin and Meredith and Smirl.

GEOMETRY.

Class I.—Swanson, G. James, J. B. Story, Coates and Inrig, J. Melville, Davis, Jane, MacKinnon, Gladwin and McLennan, Nowlan and H. Roy, Couper and G. M. Thompson, Hutchinson and Meredith, Dunsmuir and Thom.

Class II.—Harris, Barker and McClay, Usher, Bickell and Leah and V. E. Morris, R. G. Anderson, J. M. Davidson, Cunliffe and A. M. Hunter and McLellan and J. Roy and A. E. Smith, M. Day and Ellard and R. R. Hunter and Peebles and E. M. Stewart, E. B. Abernethy and Campbell-Brown and Hanna, Pugsley and H. M. Thomson and Tufnail, Gunn and G. R. Martin and Parks and Porter and M. V. Walsh and Weston.

Passed.—Dawe and E. Day and Foerster, dePencier and M. E. Philp and R. Smith and Waterston, Abel and G. M. Harvey and J. N. Weld, A. J. Cook and Creelman and M. H. Hardie, Christie, Colgan and G. W. Cumyow and Robson and Wilby, Bancroft and Newberry and C. D. Smith, Capon and M. McDougall and McMurray and A. M. Mercer and Noble, Anno and C. A. Clark and M. I. Cook and Crickmay and J. R. Hardwick and E. T. James and MacKenzie and Magee and Mueller and Scharschmidt and Siddons and R. C. Taylor.

TRIGONOMETRY.

Class I.—Davis and McLennan, Swanson, J. B. Story, Coates, Hutchinson and H. Roy, Bancroft and G. James, J. Melville, E. B. Abernethy, Couper and MacKinnon and Nowlan and Pratt, J. Roy

and Thom, Meredith, G. M. Harvey and G. M. Thompson, R. G. Anderson and Jane, Weston.

Class II.—Dunsmuir and A. E. Smith and Waterston, M. H. Hardie and Harris, E. E. Day and Leah, Graham, Gladwin, Foerster and Hanna and A. M. Mercer and E. M. Stewart, G. W. Cumyow and Dawe and Inrig, Chatterton and J. M. Davidson and M. Day and M. McDougall, Adam and Cunliffe and McClay, A. M. Hunter and Noble and J. N. Weld, Christie and Colgan and Pugsley, Barker, Crawford and Parks, Anno and Bickell and Blackhall and V. E. Morris.

Passed.—Usher, Falconer and Fournier and Gunn and Peebles and Porter and Shannon and C. D. Smith, M. V. Walsh, McLellan, dePencier, A. J. Cook and Hughes and E. T. James, M. I. Cook, Chatters and R. R. Hunter and Magee and R. E. Smith, Crickmay and McCallum and Tufnail, Boldrick and Campbell-Brown and Capon and C. A. Clark and MacKenzie and G. R. Martin and Scharschmidt and Siddons and Wilby.

PHYSICS.

Class I.—Swanson, Davis and J. B. Story, H. Roy, Harris and J. Melville, J. Roy, MacKinnon and McClay, Coates and G. M. Thompson, Couper, E. E. Day and G. James and Jane and Meredith and Nowlan, Foerster and G. M. Harvey and Hutchinson and Parks, Newberry.

Class II.—E. B. Abernethy and Colgan and M. Day and Gladwin and McLennan and A. M. Mercer and E. M. Stewart and Waterston, J. M. Davidson and Porter, Campbell-Brown and Chatters and S. C. C. Thompson and Usher and J. N. Weld, Magee and Peebles, Capon and A. J. Cook and Inrig and McMurray, Adam and Christie and Dunsmuir and Hanna and G. R. Martin and Weston, Cunliffe and M. H. Hardy, C. A. Clark and Crickmay and Ellard and Gunn and A. E. Smith and Tufnail, Bickell and Pugsley and R. C. Taylor, E. T. James and Thom, R. G. Anderson and Noble and Schell, Abel and Bancroft and M. I. Cook and Fournier and Law and Robert MacKenzie, Collier and Shannon and C. D. Smith, M. McDougall and M. R. Morrison and Rickaby and Scharschmidt.

Passed.—Davenport and Dawe and Leah and Wilby, Adye and A. M. Hunter and Siddons, Creelman and Hughes and McLellan and V. E. Morris and M. V. Walsh, McCallum and R. E. Smith and Wood, Boldrick and J. M. Stewart and H. M. Thompson and Wilson, P. F. James, R. R. Hunter and Lett, Currey, Barker and Crawford and G. W. Cumyow and Denham and England and Hobson and Murtagh and Pratt.

FACULTY OF APPLIED SCIENCE—FOURTH YEAR.

PRIZE.—Charles Alfred Holstead Wright, prize, \$25.

CHEMICAL ENGINEERING.

Class I.—C. A. H. Wright.

ENGINEERING LAW.

Class I.—C. A. H. Wright.

CHEMISTRY, VI.

Class I.—C. A. H. Wright.

CHEMISTRY, VII.

Class I.—C. A. H. Wright.

FACULTY OF APPLIED SCIENCE—THIRD YEAR.

Prize, \$25, not awarded.

CIVIL ENGINEERING.

John Haworth Drewry, having enlisted for overseas service, is granted his standing.

Class II.—Austin.

MINING ENGINEERING.

Class II.—L. F. Bullard, Williams (S).

ENGINEERING ECONOMICS.

Class I.—Williams, L. F. Bullard.

Class II.—Austin.

GENERAL ENGINEERING, II.

Class I.—L. F. Bullard, Austin, Williams.

HYDRAULIC ENGINEERING, I.

Class I.—Austin.

MECHANICAL ENGINEERING, II.

Class II.—Austin.

Passed.—L. F. Bullard, Williams.

MECHANICAL ENGINEERING, III.

Class II.—Austin, L. F. Bullard.

Passed.—Williams.

MECHANICAL ENGINEERING, IV.

Class I.—Austin.

GENERAL MINING.

Passed.—L. F. Bullard, Williams.

GENERAL METALLURGY.

Class II.—L. F. Bullard, Williams.

MINE SURVEYING.

Passed.—Williams, L. F. Bullard.

ORE-DRESSING.

Passed.—L. F. Bullard, Williams.

RAILWAY ENGINEERING.

Class I.—Austin.

STRUCTURAL ENGINEERING—ENGINEERING, III.

Class I.—Austin.

Passed.—L. F. Bullard, R. R. Brown.

SURVEYING, II.

Passed.—Austin.

MAPPING, 2.

Class I.—L. F. Bullard.

Class II.—Williams, Austin.

SUMMER ESSAY.

Passed.—Austin.

FACULTY OF APPLIED SCIENCE—THIRD AND
FOURTH YEARS.

ELECTRICAL ENGINEERING.

Class I.—C. A. H. Wright, Austin.

FACULTY OF APPLIED SCIENCE—SECOND YEAR.

SCHOLARSHIPS AND PRIZES.—Horace George Stedman, scholarship, \$75; prize, \$25, not awarded; prize, \$15, not awarded.

The following students, having enlisted for overseas service, are granted their standing: A. P. Archibald, Hatch, Le Messurier, Livingstone.

Class I.—Stedman.

Class II.—R. J. Bullard, D. M. Morrison (S), Gilchrist (S).

ENGINEERING, I.—GRAPHICAL STATICS.

Class I.—R. J. Bullard, McPhee, Stedman.

Class II.—Gilchrist, D. M. Morrison.

MAPPING, I.

Class I.—McPhee.

Class II.—Stedman, R. J. Bullard, Gray, D. M. Morrison.

Passed.—Gilchrist, H. N. Page.

GENERAL ENGINEERING, I.

Class I.—Stedman, R. J. Bullard and McPhee.

Class II.—D. M. Morrison, Gilchrist.

MECHANICAL DRAWING.

Class I.—W. M. Bush, Caspell.

Class II.—R. J. Bullard and McPhee, Gray and Stedman, H. N. Page, Gilchrist.

Passed.—D. M. Morrison.

MECHANICAL ENGINEERING, I.

Class I.—Stedman.

Class II.—R. J. Bullard, D. M. Morrison, Gilchrist.

Passed.—Gray, McPhee.

SHOP-WORK, II.

Class II.—Stedman.

Passed.—McPhee and D. M. Morrison, Gilchrist, R. J. Bullard.

SURVEYING, I.

Class I.—Stedman.

Class II.—D. M. Morrison, R. J. Bullard, Gray, McPhee.

FACULTY OF APPLIED SCIENCE—FIRST YEAR.

SCHOLARSHIPS AND PRIZES.—Henry Ivan Andrews, scholarship, \$75; Douglas Archibald Wallace, prize, \$15.

The following students, having enlisted for overseas service, are granted their standing: S. Anderson, Caspell, Coles.

Class I.—Andrews, D. A. Wallace.

Class II.—Glen, H. T. James, Yonemoto, Doyle, D. C. McKechnie, Tamenaga, R. C. Hardie, I. O. Brown, Aylard, Rebbeck (S), Boomer (S).

Passed.—D. G. Anderson, Hillis (S), Watson (S), York (S), M. L. Healy (S), A. H. Melville (S), McQueen (S), W. M. Bush (S), J. L. MacDonald (S), W. G. Thomson (S).

DESCRIPTIVE GEOMETRY.

Class I.—H. T. James, Glen, Doyle, Andrews and Tamenaga.

Class II.—I. O. Brown, Boomer, R. C. Hardie and Rebbeck, W. M. Bush and Yonemoto.

Passed.—D. A. Wallace and D. C. McKechnie, Aylard and Hillis and York, D. G. Anderson and Watson, J. L. MacDonald, W. G. Thomson.

ENGLISH.

Class I.—Doyle, D. A. Wallace, Glen.

Class II.—A. H. Melville, Watson, Boomer, W. M. Bush and R. C. Hardie and M. L. Healy.

Passed.—J. L. MacDonald, Aylard and I. O. Brown and W. G. Thomson, H. T. James, Hillis and Rebbeck, D. G. Anderson and York, Andrews and D. C. McKechnie, Tamenaga.

(S) Supplemental examination.

DRAWING, I AND II.

Class I.—M. L. Healy, Doyle, W. M. Bush, Caspell, D. A. Wallace and Yonemoto.

Class II.—Andrews, Glen, A. H. Melville, H. T. James and Rebbeck and York, Aylard, Watson, McQueen and Tamenaga, Boomer and R. C. Hardie and D. C. McKechnie, I. O. Brown and Hillis and J. L. MacDonald, D. G. Anderson and W. G. Thomson.

ALGEBRA.

Class I.—D. A. Wallace, Andrews.

Class II.—D. C. McKechnie and Yonemoto, Glen, I. O. Brown, Boomer, H. T. James, Aylard.

Passed.—D. G. Anderson, Doyle, Tamenaga, R. C. Hardie and M. L. Healy and Rebbeck.

TRIGONOMETRY.

Class I.—Andrews and Glen and Tamenaga, Yonemoto.

Class II.—D. C. McKechnie, R. C. Hardie, Aylard and H. T. James and D. A. Wallace.

Passed.—Rebbeck, Doyle, D. G. Anderson and I. O. Brown, Hillis, McQueen, Boomer and M. L. Healy, W. M. Bush.

MECHANICS.

Class I.—Andrews, H. T. James, D. A. Wallace.

Class II.—D. C. McKechnie, Glen, Aylard and Doyle and R. C. Hardie, I. O. Brown and Yonemoto, Rebbeck, Tamenaga.

Passed.—D. G. Anderson, Boomer, Hillis and Watson and York.

PHYSICS.

Class I.—D. A. Wallace.

Class II.—Andrews, D. C. McKechnie, A. H. Melville, Doyle and Glen, Aylard and J. L. MacDonald and Yonemoto, Rebbeck and Tamenaga.

Passed.—R. C. Hardie and H. T. James, D. G. Anderson and Hillis, Watson, McQueen, M. L. Healy and W. G. Thomson and I. O. Brown.

SHOP-WORK, I.

Class I.—Andrews, Yonemoto.

Class II.—Glen and R. C. Hardie and Hillis, Watson, H. T. James and Rebbeck, D. G. Anderson and Boomer, Tamenaga and D. A. Wallace, M. L. Healy, D. C. McKechnie, A. H. Melville.

Passed.—York, I. O. Brown, Aylard and W. G. Thomson, Doyle and McQueen, J. L. MacDonald, H. N. Page and Stedman.

MECHANICAL DRAWING.

Class I.—Doyle, Yonemoto, M. L. Healy, Hillis and H. T. James, Watson, D. A. Wallace, McQueen and Tamenaga.

Class II.—York, Andrews and R. C. Hardie, Boomer, Aylard and Glen and Rebbeck, I. O. Brown and W. G. Thomson, D. C. McKechnie, D. G. Anderson, A. H. Melville.

Passed.—J. L. MacDonald.

C.O.T.C. EXAMINATIONS, 1916.

The members of the corps took the examinations in May, 1916. Owing to the lack of proper information the examinations were carried out as for a Provincial School of Infantry, and were disallowed by Headquarters, Ottawa. Arrangements were then made to put them through local units, and the following became attached and obtained Lieutenants' Infantry Certificates:—

Anderson, A. G.	MacLeod, A. R.
Banting, D.	MacLeod, W. R.
Clarke, G. E. W.	Martin, A.
Coates, W. W.	Mennie, J. H.
Davidson, E. S.	Miller, A. H.
Duncan, C. A.	Miller, C.
Fergusson, G. A.	Moodie, S. F. M.
Fountain, G. F.	Morrison, L. A.
Gibson, H. J.	Mulhern, J. E.
Hamilton, R. S.	Scott, S. M.
Holmes, A. T. F.	Smith, W. R.
Hughes, N. V.	Southcott, P.
Hurst, A. M.	Spencer, E. D.
Johannson, J. S.	Thompson, D. L.
Le Messurier, E.	Timberlake, M.
Le Messurier, T.	Traves, C. W.
Letson, H. F. G.	Traves, E. C.
MacCorkingdale, H. N.	

C.O.T.C. EXAMINATIONS, 1917.

The following members examined on April 23rd and 24th, 1917, obtained Certificate "A":—

Brown, J. G.	Gibson, H. J.
Clark, C. A. F.	McClay, G.
Clark, G. W.	McLellan, N. W.
Cayley, B. C.	Morrow, W. H.
Fairey, F.	

The following students have been declared efficient for two sessions:—

Abercrombie.	Buchanan.
Baker.	Caspell.
Barclay, G. C.	Castleman.
Bayly.	Cayley.

Emmons, W. F.
 Evans, E.
 Fraser, G. L.
 Fraser, J. G.
 Hagelstein.
 Marshall.
 McInnes.
 McKechnie.
 Mennie.

Robertson.
 Russell.
 Tamenaga.
 Thompson, W. C.
 Vollum.
 Watson, J.
 Weld, C. B.
 Westwood.
 Wright, C. A. H.

CONDITIONED.

Broatch.
 Brown, M. F.
 Bullard, R. G.
 Emmons, R. C.
 Evans, T. E.
 Gilchrist.
 Gray, W.
 Hurst.

MacArthur.
 McIntosh.
 McPhee.
 Milley.
 Morrison, D. M.
 Shimizu.
 Tamura.

The following students are declared efficient for the session 1916-17:—

Anderson, R. G.
 Anderson, S.
 Andrews.
 Anno.
 Archibald, A. P.
 Aylard.
 Boomer.
 Brown, I. O.
 Bush.
 Christie.
 Clark, C. A. F.
 Coates, W. F.
 Coles.
 Colgan.
 Coray.
 Couper.
 Crickmay.
 Davenport.
 Davis.
 Day, E. E.
 Foerster.
 Glen.
 Hardie.
 Hunter, R. R.
 Jackson, L. H.

James, G.
 James, H. T.
 James, P. F.
 Kellie.
 Law.
 MacDonald, J. L.
 MacKinnon.
 Martin, G. R.
 McClay, G.
 McLellan.
 McLennan.
 McQueen.
 Melville, A. H.
 Melville, J.
 Meredith, H. G.
 Newton.
 Parks.
 Pugsley.
 Richards.
 Rickaby.
 Siddons.
 Smith, C. D.
 Smith, C. G.
 Smith, L. P.
 Stewart, J. M.

Swanson.
Taylor, R. C.
Thompson, G. M.
Thompson, S. C. C.
Usher.

Waterston.
Weld, J. N.
Wilson, G. S.
Yonemoto.
York.

CONDITIONED.

Anderson, D. G.
Chatters.
Denham.
dePencier.
Ellard.
Guy.
Harvey, G. M.
Hillis.

James, E. T.
Jane.
McMurray.
Peebles.
Rebbeck.
Story, C. B.
Thomson, W. G.
Wallace.

LIST OF MEMBERS OF CONVOCATION OF THE UNIVERSITY OF BRITISH COLUMBIA.

(Alphabetically arranged, with degrees and Key List, showing
University conferring same.)

Key List of University represented.

1. Appointed by the Lieutenant-Governor in Council.
2. Aberdeen University, Aberdeen, Scotland.
3. Acadia University, Wolfville, N.S.
4. Adelaide University, Adelaide, South Australia.
5. Bishop's College, Lennoxville, Que.
6. Cambridge University, England.
7. Chicago University, Chicago, U.S.A.
8. Clark University, Worcester, Mass., U.S.A.
9. Columbia University, New York, N.Y., U.S.A.
10. Dalhousie University, Halifax, N.S.
11. Durham University, Durham, England.
12. Edinburgh University, Edinburgh, Scotland.
13. Glasgow University, Glasgow, Scotland.
14. Halifax University, Halifax, N.S.
15. Harvard University, Cambridge, Mass., U.S.A.
16. Illinois Wesleyan University, U.S.A.
17. King's College, Windsor, N.S.
18. Laval University, Quebec and Montreal.
19. Leland Stanford, Jr. University, Palo Alto, Cal., U.S.A.
20. Liverpool University, Liverpool, England.
21. London University, London, England.
22. Manchester University, Manchester, England.
23. Manitoba University, Winnipeg, Man.
24. Montreal University, Montreal, Que.
25. McGill University, Montreal, Que.
26. McMaster University, Toronto, Ont.
27. Mount Allison University, Sackville, N.B.
28. New Brunswick University, Fredericton, N.B.
29. Ottawa University, Ottawa, Ont.
30. Oxford University, Oxford, England.
31. Queen's University, Kingston, Ont.
32. Royal College of Science, Dublin, Ireland.
33. Royal Military College of Canada, Kingston, Ont.
34. Royal University of Ireland, Dublin, Ireland.
35. Saskatchewan University, Saskatoon, Sask.
36. St. Andrews University, Dundee, Scotland.
37. St. Francis Xavier University, Antigonish, N.S.
38. St. Joseph's University, N.B.

39. Toronto University, Toronto, Ont.
40. Trinity College, Dublin, Ireland.
41. Trinity University, Toronto, Ont.
42. Victoria College, Coburg, Ont.
43. Victoria University, Toronto, Ont.
44. Wesleyan College, Montreal, Que.
45. Western University, London, Ont.
46. University of British Columbia, Vancouver, B.C.
47. Birmingham University, Birmingham, England.
48. University of Paris, France.
49. University of Alberta, Edmonton, Alberta.
50. Cornell University, Ithaca, N.Y., U.S.A.
51. Ames College, Iowa, U.S.A.

Abercrombie, William Thomas, Central Park	B.A. 46
Abernethy, Jean Barclay, Eburne Station	B.A. 46
Acheson, William Clinton, Vancouver	M.B. 39
Anderson, Frederick W., Kamloops	B.Sc. 25
*Anderson, Goldie Fraser, Vancouver	B.Sc. 25
Anderson, Jessie Josephine, Vancouver	B.A. 46
Anderson, William Garnet, Vancouver	B.A. 39, LL.B.
Andrews, Frank, Victoria	B.A. 3
Annable, George Reynolds, Annable	B.A. 46
Anning, Norman Herbert, Chilliwack	M.A. 31
Anstey, Arthur, Vancouver	B.A. 21
Arbuckle, J. W., Vernon	M.D. 25
Archibald, Henry Patton, Vancouver	B.A.Sc. 25
Archibald, James Ross, Kamloops	B.A. 10, LL.B.
Archibald, M. G., Kamloops	M.D., C.M. 10
Argue, William Piritte, Vancouver	B.A. 23
Armour, Douglas, Vancouver	B.A. 39
Armstrong, James Arthur, Rossland	B.A. 3, M.A. 3
Arthur, Edward Charles, Nelson	B.A. 42, M.A. 42, M.D. 41
*Ashmore, Richard Howell, Eburne Station	B.A. 34
Ashton, Henry, Vancouver	B.A. 6, D \grave{e} s L. 48, D.Litt. 47
Ashton, John Joseph, New Westminster	B.A. 31, B.D. 44
Auld, J. W., Vancouver	M.D., C.M. 25
Babcock, J. P., Victoria	1
Bagshaw, Frank, Vancouver	B.Sc. 25
Baird, Mary Christina, Vancouver	B.A. 39
Baird, William Joseph, Vancouver	B.A. 39, M.A., LL.B.
Baker, Frances Edna, Vancouver	B.A. 23
Baker, Herbert W., Vancouver	B.A. 31
Baker, Lincoln Thompson, Vancouver	B.A. 46
Baker, Ray Palmer, Summerland	B.A. 45

* Deceased.

Balderstone, Benjamin Hedley, White Rock	B.A. 27, B.D.
Bapty, Walter, Victoria	M.D. 45
Barrett, William Thomas, Victoria	M.D. 23
Barron, Thomas John, Courtenay	B.A. 25
Baskin, William Gerald, Victoria	B.A.I. 28
Bastin, Charles Howden, Vancouver	M.D. 23
Bates, Reginald Heber, Vancouver	B.A. 5
Bayfield, Henry Arthur, Vancouver	B.A.Sc. 25
Bayfield, Geoffrey E., Vancouver	M.D. 25
Bayly, Milton Dawson, Chilliwack	B.A. 46
Beacham, Havelock, Milner	B.A. 25
Bechtel, Arthur Daniel, Victoria	M.D. 25, C.M.
Beckwith, Harold Arthur, Victoria	B.A. 25
Beeston, Cyril Gainsborough, Nelson	B.A. 23
Bennett, Allan Edward Hingston, Kamloops	M.D., C.M. 31
Bennett, Charles Vincent, Prince Rupert	B.A. 31
Berry, Edward Weldon, Murrayville	B.A. 46
Black, George Duncan Ralph, Vancouver	M.D., C.M. 39
Blaylock, Selwyn Gwilym, Trail	B.Sc. 25
Boak, Arthur Edward Romily, Vancouver	M.A. 31
Boak, Henry Westman Conroy, Vancouver	LL.B. 10
*Boggs, George Washington, Vancouver	M.D., C.M. 25
Bolduc, May Dwyer (<i>née</i> McCrimmon), Vancouver	B.A. 46
Bolton, William Washington, Victoria	M.A. 6
Bonnel, Saul, Fernie	M.D. 25
Booth, Patrick Dick, Vancouver	B.Sc. 12
Boucher, Robert B., Vancouver	M.D., C.M. 25
Bowser, William John, Victoria	LL.B. 10
Boyce, B. de Furlong, Kelowna	M.D. 25
Boyd, J. Bruce, Vancouver	B.A. 25
Boyd, Robert Sinclair, Vancouver	B.A. 40
Boyle, Robert Clarke, Vancouver	M.D., C.M. 23
Bradshaw, George Karn, Vancouver	B.A. 39
Bray, Harry Randle, Esquimalt	B.A. 30, 39
Brennan, George Eric, Vancouver	B.Sc. 25
Brett, Augustus Jasper Wolsley, Vancouver	D.D.S. 39
Brewster, H. C., Victoria	1
Bride, William Wesley, South Hill	M.D. 23
Bristol, Charles Frederick, Vancouver	B.Sc. 25
Brock, Reginald W., Vancouver	M.A. 31
Brodie, William S., Vancouver	M.A. 10
Broe, Lawrence, Vancouver	M.B. 39
Brough, Thomas Allardyce, Vancouver	B.A. 31
Brown, John, Vancouver	B.A., M.D., C.M. 23
Brouse, J. E., New Denver	M.D. 25

* Deceased.

Bruce (<i>née</i> Baker), Elma, Vancouver	B.A. 10
Brydone-Jack, Arthur Canby, Vancouver	B.A., M.A. 28
Brydone-Jack, Frederick William, Vancouver	M.D. 25
Brydone-Jack, Herbert Disbrow, Vancouver	B.Sc. 25
Brydone-Jack, William Disbrow, Vancouver	B.A. 28, L.R.C.P. 12, L.R.C.S. 12
Buchan, Percy Halcro, Vancouver	B.A.Sc. 39
*Buchanan, Leo, Vancouver	B.A. 39, LL.B. 39
Buchanan, John Murdoch, Steveston	B.A. 46
Buisson, Arthur, Trail	B.Sc. 18
Buller, Frederick James, Vancouver	B.A. 39, M.B. 39
Burch, Arthur Lafayette, Vancouver	B.A. 39
Burley (<i>née</i> Ham), Alice Mary, Vancouver	B.A. 23
Burnett, Edgar A., Vancouver	B.A. 23
Burnett, George Haliburton, Vancouver	B.A.I. 28
Burnett, William Brenton, Vancouver	B.A. 3, M.D., C.M. 25
Burns, William, Vancouver	B.A. 31
Burns, William Ernest, Vancouver	B.A. 39
Burris, Grace D., Victoria	M.A. 10
Burris, J. S., Kamloops	M.D. 25
Burritt, William Edmund, Prince Rupert	B.A. 39
Buttrum, Harold St. George, Vancouver	B.A. 25
Cade, John P., Prince Rupert	M.D., C.M. 39
Cairnes, Clive Elmore, Vancouver	B.A. 46
Cameron, Angus Wylie, Prince Rupert	B.A. 25, B.C.L. 25
Cameron, Arthur Garfield, Vancouver	B.A. 31
Cameron, Charlotte Alice, Vancouver	B.A. 31
Cameron, Charles John, Vancouver	B.A. 31, M.A. 31
Cameron, Elizabeth Jane, Vancouver	B.A. 26
Cameron, Ella Gladys, Vancouver	B.A. 46
Cameron, George Frederic, Vancouver	B.A. 31
Campbell, Charles Foster, Vancouver	LL.B. 23
Campbell, Charles McKinnon, Phoenix	B.Sc. 25
Campbell, Daniel Gordon, Vancouver	B.A. 39
Campbell, Edmund Ernest, Phoenix	B.Sc. 25
Campbell, Ivan Glen, Vancouver	M.D., C.M. 25
Campbell, John, Victoria	B.A. 39, M.A. 39
Campbell, John Augustine Ewart, Vancouver	M.D. 25
Campbell, John Lachlan, Abbotsford	B.A. 39
Campbell, Kate Gertrude, Enderby	B.A. 39
Campbell, Mary B., Vancouver	M.D. 39, M.C.P. & S.
Cann, Jeanette A., Victoria	B.L. 10
Carder, Edwin Dixon, Vancouver	B.A. 39, M.B. 39
Carruthers, Bertha Muriel, Vancouver	B.A. 46
Carter, William Frederick, Vancouver	B.A.Sc. 25, B.C.L. 25

* Deceased.

Carter-Cotton, F. L., Vancouver	1
Cartwright, Conway, Britannia Beach	M.D. 25
Casselmann, Vester Ernest David, Vancouver	M.D. 23
Castleman (<i>née</i> Wickham), Escotte, Rosedale	B.A. 39
Cayley, Hugh St. Questin, Vancouver	B.A. 39
Champion, Benjamin Hiram, Vancouver	M.D. 25
Chandler, A. B., Rosland	M.D. 25
Chandler, G. Forsythe, Colquitz	B.A. 25
Chapin, Florence Birkett, Vancouver	B.A. 46
Chodat, Henri, Vancouver	B.A. 25, M.A. 25
Cheeke, George Alfred Moseley, Cobble Hill	B.A. 30
Church, John W., Victoria	B.A. 11, M.A. 11
Clark, Annie Sophia, Vancouver	B.A. 3
Clark, George Whitcomb, Ladysmith	B.A. 31, M.A. 31
Clark, Judson F., Vancouver	B.S.A. 39
Clark, Richard Joseph, Hope	M.A. 31
Clarke, Earl Winton, Victoria	B.A. 26
Clarke (<i>née</i> Potts), Georgiana Barbara, Victoria.....	B.A. 41, M.A. 41
Clay, William Leslie, Victoria	B.A. 25, B.D. 25
Clearihue, Albert Maitland, Victoria	Phm.B. 41
Clearihue, Joseph Badenoch, Victoria	B.A. 25
Cleland (<i>née</i> Chambers), Annie, Victoria	M.D., C.M. 41
*Clement, Richard Vercoe, Vernon	B.A. 39, LL.B. 39, B.C.L. 39
Clement, Shirley Pope, Vancouver	B.A. 46
Clement, William Henry Pope, Vancouver	B.A. 39, LL.B. 39
Coates, Horace W., Vancouver	M.D., C.M. 25
Coburn, Arthur, Vancouver	B.A. 30
Code, Lorne Bruce, Vancouver	B.Sc. 31
Coldwell, Ross F., Vancouver	B.Sc. 3, M.A. 3
Conklin, James Scott, Vancouver	M.D., C.M. 23
Connor, Charles Frederick, Merritt	B.A. 39, M.A. 39
Connolly, Arthur Kellogg, Salmon Arm	M.D., C.M. 31
Coombs, Florence, Vancouver	B.A. 10
Copeland, Briswell Methven, New Westminster	Phm.B. 39
Corsan, Douglas, Fernie	M.D. 25
Coulthard, Walter Livingstone, Vancouver	M.B. 39
Covernton, Charles Frederick, Vancouver	M.D., C.M. 25
Cowan, George Henry, Vancouver	B.A. 39
Cowperthwaite, Frederic Moses, Vancouver	B.A. 28
Coy, William Filmer, Vancouver	M.D., C.M., 31, M.R.C.S.
Creelman, Amelia, Vancouver	B.A. 10
Creery, Andrew McCreight, Vancouver	B.A. 40
Crombie, Isaac, Vancouver	B.A. 3, M.A. 3
Crosby, Robert, Vancouver	M.B. 39
Crowe, Roland Chaplin, Vancouver	B.A. 26

* Deceased.

Cruickshank, Lilian Elizabeth, Matsqui	B.A. 39
Cumming, Alison, Vancouver	B.A. 10, M.D., C.M. 10
Cumming, Lucy, Vancouver	B.A. 31
Cumming, William Gordon, Sidney	M.D. 25
Cummings, Alfred, Fernie	B.Sc. 31
Cunningham, Frances Muriel, Dartmouth, Nova Scotia	B.A. 10
Cunningham, John Wilson, New Westminster	B.A. 39
Currie, Herbert Harding, Nelson	B.A. 3
Currie, Mary Irene, Nelson	B.A. 3
Curtin, Thomas Vanston, Merritt	M.D., C.M. 31
Davidson, James Grant, Vancouver	B.A. 39
Davidson, John Wilson, Kelowna	B.A. 39
Davies, Aubrey Hugh, Vancouver	B.A. 6, M.B. B.C. 6
Davis, Angus Ward, Nelson	B.Sc. 25
Davis, Edward Pease, Vancouver	B.A. 39
Davis, Lewis Thomas, Victoria	M.D., C.M. 31
Dawson, George Herbert, Victoria	B.A.Sc. 25
Daykin, Alfred Norman, Vancouver	B.A. 23
d'Easum, Geoffrey Cyril, New Westminster	M.A. 23
De Beck, Edwin Keary, Vancouver	B.A. 25
De Beck, Howard Clarke, Vernon	B.A. 39
De Pencier, A. U., Vancouver	B.A. 41, M.A. 41, D.D. 41
Denovan (<i>née</i> Paterson), Eliza Henriette Richardson, Victoria.....	M.D., C.M. 43
Denton, Vernon Llewellyn, Vancouver	B.A. 3
Des Brisay, Merrill, Vancouver	B.A. 46
Dick, Agnes Johnston, Nanaimo	B.A. 46
Dickey, Hugh L., Vancouver	M.D., C.M. 10
Dickson, Charles William, Kelowna	M.A. 31, Ph.D. 9
Dickson, William Howard, Phoenix	M.D. 25
Dobson, Frank Hopper, Vancouver	B.A. 39
Doherty, Charles Edward, New Westminster	M.D., C.M. 39, F.T., M.C.
Dole, Harvey Peter, Vancouver	B.A. 28, M.A. 28
Douglas, Robert James, Chilliwack	B.A. 25
Dowler, Wellington Jeffers, Victoria	B.A. 39
Downie, Donald, Vancouver	B.C.L. 25
Draeseke, Gordon Cecil, Vancouver	M.B. 39
Drew, Jessie Evelyn, New Westminster	B.A. 39
Drier, Newton Ezra, Vancouver	M.D. 25, F.R.C.S. 12
Drummond, Jean Scott, Vancouver	B.A. 39
Drysdale, W. Frederick, Nanaimo	M.D. 25
Duncan, Charles Andrew, Sandwick	B.A. 46
Duncan, George Edward, Vernon	M.D. 23
Dunning, John T., Vancouver	B.A. 41, M.A. 41
Dunton, Marjorie Mae, Vancouver	B.A. 46
Dutcher, Howard Ketchum, Vancouver	B.Sc. 25, M.Sc. 25

Dykes, Watson, Duncan	M.D. 25
Earle, Harry, Vancouver	B.Sc. 25
Edwards, Geoffrey Lloyd, Vancouver	B.A. 6
Eggert, C. A., Prince Rupert	M.D. 25
Eldridge, Gardner Smith, Vancouver	B.Sc. 25
Elliott, Byron Stevenson, Vancouver	M.B. 39
Elliott, Carrie Isabel, Vancouver	B.A. 46
Elliott, Percy Harris, Vancouver	M.Sc. 25
Elliott, William, Vernon	B.A. 39
Ellis, Joseph Nealon, Vancouver	B.C.L. 17
Ellis, Robert Walter, Vancouver	B.A. 25
Ellison, Myra King, Vernon	B.A. 25
Emerson, John, Vancouver	B.A. 25
English, John Molineux, Vancouver	M.D., C.M. 25
Evans, Allan Roy, New Westminster	B.A. 23
Evans, Elmer, Vancouver	B.A. 46
Everton, Samuel, Vancouver	B.A. 23
Ewin, Ethel Mary, Eburne	B.A. 46
Ewing, William T., Chemainus	M.D. 25
Falkner, James, Vancouver	B.A. 31
Fallis, George Valentine, Victoria	B.A. 23
Farris, John Wallace de Beque, Vancouver	B.A. 3
Farris, Evelyn F. Keirstead, Vancouver	M.A. 3
Farris, Wendall Burpee, Vancouver	B.C.L. 17
Fillmore, Charles L., Vancouver	B.A. 27
Fisher, Alexander Ingram, Fernie	B.A. 39
Fisher, John McNee, Vancouver	Phm.B. 39
Fisher, Nicholas Rigby, Vancouver	B.A. 23
Fisher, Simeon Whidden, Ladner	Phm.B. 39
Fleming, Robert William, Nelson	B.A. 31
Ford, Henry Bernice, Vancouver	M.D., C.M. 31
Ford, John Whitfield, Vancouver	M.B. 39
Foreman, Alvah Ernest, Victoria	B.Sc. 25
Forsythe, Robert B., Rossland	B.A. 10
Foster, George May, Vancouver	M.D. 25
Fountain, Sarah Annie, Vancouver	B.A. 46
Frank (<i>née</i> Harris), Clara Ethelwyn, Moresby Island	B.A. 25
Fraser, George Lovat, Vancouver	B.A. 46
French, Mabel Penery, Vancouver	B.C.L. 17
Frost, Anson C., Ladysmith	M.D. 25
Fuller, Aubrey Taylor, Vancouver	B.A. 27, M.D., C.M. 25
Fuller (<i>née</i> Dunham), Louise McClellan, Vancouver	B.A. 3
Fulton, Clarence, Vernon	B.A. 10
Funk, Edwin Henry, Vancouver	M.D. 25
Galloway, James Robert, Vancouver	B.A. 46
Galloway, John Davidson, Vancouver	M.Sc. 25
Gamble, Clark William, Vancouver	B.Sc. 25

Ganton, David William, Victoria	B.A. 39, M.A. 39
*Garden, J. F., Vancouver	1
Gardiner, William James, Vancouver	B.A. 39
Garrett, Herbert Gascoigne, Victoria	B.A. 30
Gatewood, Charles H., Vancouver	D.D.S. 1
Gaunce, William Grant, Victoria	B.A. 28
Geoghegan, Dorothy Rachel, Somenos	B.A. 46
Gibbins, Gwynne Gilbert, Vancouver	B.A. 25, M.Sc. 25
Gibson, Henry James, Vancouver	B.A. 46
Gibson, Richard, Vancouver	M.D. 25
Gifford, William Alvy, New Westminster	B.A. 39, B.D. 43
Gill, Peter Clark, Vancouver	B.Sc. 25
Gillam, John D., North Vancouver	M.A. 12
Gillies, Bertram William Digby, Vancouver	M.D. 25
Gillies, George Ackland, Vancouver	M.Sc. 25
Gillies, George Ernest, Vancouver	M.D. 25
Gillespie, James A., Cumberland	M.D., C.M. 5
Gillespie, Thomas Leslie, East Kelowna	B.A. 34
Goodstone, Albert Isidore, Vancouver	B.C.L. 25
Gordon, Daniel Marshall, Victoria	B.A. 25
Gordon, George Sinclair, Vancouver	M.D., C.M. 25
Gordon, John Simpson, Vancouver	B.A. 25
Gourlay, Henry Beauchamp, Vancouver	M.D., C.M. 25
Gourlie, William G., Vancouver	B.A. 23
Gower, Gordon H., Vancouver	B.A. 3, M.A. 3
Grimmett, Martin Luther, Merritt	LL.B. 23
Graham, Ada Ernestine, Vancouver	B.A. 39
Graham, Colin Wolseley, Vancouver	M.D., C.M. 31
Graham, David Alexander, Vancouver	B.Sc. 39
Graham, Felicia, New Westminster	B.A. 39, M.A. 39
Graham, John Albert, Vancouver	M.D. 23
Grainger, Martin Allerdale, Victoria	B.A. 6
*Green, Cecilia Rebecca, Victoria	B.A. 25
Green, Frank Compton, Victoria	B.A. 28
Green, F. W., Cranbrook	M.D. 25
Green, Myra Hatt, Victoria	B.A. 28
Green, Pearl Alberta, Vancouver	B.A. 25
Green, R. Howard, Victoria	B.A. 25
Green, Thomas, Victoria	B.A. 39, M.A. 39, B.D. 43
Green, Thomas Bennett, New Westminster	B.A. 23, M.D., C.M. 25
Greggor, Agnes Anne, Vancouver	B.A. 46
Greggs, Gladys Evelyn, Vancouver	B.A. 25
Grenfell, Mary Elizabeth, Vancouver	B.A. 31
Gray, Edward J., Vancouver	B.A. 38, M.D. 15
Grey, Skains Leander Herbert, Vancouver	M.A. 31

* Deceased.

Gunning (<i>née</i> McKay), Catherine W., Rossland	B.A. 10
Gurd, William Farquhar, Cranbrook	B.C.L. 39
Hagelstein, Herman William, Murrayville	B.A. 46
Haley, Charles Joseph, Nanaimo	B.A. 37
Hall, Alfred, Vancouver	M.A. 39, LL.B. 39, D.C.L. 41
Hall, Ernest Amos, Vancouver	M.D., C.M., 39, L.R.C.P. 12
Hall, John Albert, Victoria	B.Sc. 22, M.Sc. 22
Hall, Norman McLeod, Vancouver	B.Sc. 25
Hall, Thomas Proctor, Vancouver	B.A. 39, M.A. 16, Ph.D. 8
Hall, Thomas R., Kamloops	B.A. 10
Hall, William Kendall, Eburne	M.D. 23
Hall, William Lashley, Revelstoke	B.A. 39, B.D.
Hamilton, Charles Thomas, Vancouver	B.Sc. 39
Hamilton (<i>née</i> McClughan), Ellen, Vancouver	B.A. 25
Haney, Charles Nelson, Vancouver	B.A. 27, M.A. 27
Hanington, D. P., Wilmer	M.D. 25
Hanington, Ernest B. C., Victoria	M.D., C.M. 25
Hanington, Henry Carleton, Victoria	B.A. 28
Hannington, Robert Wetmore, Vancouver	B.A. 28
Hansford, William Francis, New Westminster	B.A. 39
Harper, Andrew Miller, Vancouver	B.A. 31
Harris, Robert Wilson, Vancouver	B.A. 39
Harrison, John Stanley, Midway	B.A. 28
Hart, Edward Charles, Victoria	M.D., C.M. 25
Hart (<i>née</i> Messinger), Francis Payzant, Vancouver	B.A. 3
Hart (<i>née</i> McPhee), Margaret Janet, Victoria	M.A. 10
Hartwell, George E., Vancouver	B.A. 31
Harvey, Athelstan George, Vancouver	B.A. 23
*Harvey, Robert Valentine, Victoria	M.A. 6
Harvie, Stafford K., Vancouver	B.A. 27, M.D., C.M. 25
Haviland, John Archibald, Vancouver	LL.B. 10
Hazelwood, Edwin Watson, Trail	Phm.B. 39
Hedley, John Whitfield, Nanaimo	B.A. 39, M.A. 39, B.D. 42
Henderson, A., Powell River	M.D. 25
Henderson, Alexander, Vancouver	B.A. 39
Henderson, James, Vancouver	M.A. 13
Henderson, Stuart Alexander, Victoria.....	B.A. 39, LL.B. 39, B.C.L. 41
Heneage, Thomas Robert, Victoria	B.A. 6
Henry, Alice Edna O., Victoria	M.A. 25
Henry, Edwin Arthur, Vancouver	B.A. 39, B.A. 35
Henry, Joseph Kaye, Vancouver	B.A. 10
Hepworth, William George, Steveston	M.D. 25
Herold, Wilson R. T., Vancouver	M.D., C.M. 31
Hetherington, Albert Edward, New Westminster	B.A. 23
Higgins, Charles P., Hosmer	M.D. 25

* Deceased.

Higman, Ormond, Vancouver	B.Sc. 25
Hill, Arthur Edmund Breton, Vancouver	B.A.Sc. 25
Hill, Albert J., New Westminster	B.A. 3
Hill, Frederick Borden, Vancouver	B.A. 28
Hindle, George, Golden	B.A. 31
Hogle, John Herbert, Vancouver	M.D., C.M. 25
Holden, Donald B., Victoria	B.A. 25, M.D. 25
Holmes, William Cuthbert, Victoria	B.A. 40
Hope, Henry Pollock, Victoria	B.A. 6
Housser, George Elliott, Vancouver	B.A. 25
Howay, Frederick William, New Westminster	LL.B. 10
Howell, Lucy M., North Vancouver	B.A. 25
Hoyes, William Thomas, Vancouver	M.D. 23
Hoyle, Charles Collings, Ladner	M.A. 11
Hume, Wellington Wilson, Vancouver	M.B. 39
Hunter, Albert Lawrence Penrose, Vancouver	B.A. 23
Hunter, Archibald William, Vancouver	M.D., C.M. 25
Hunter, Gordon, Vancouver	B.A. 39
Hunting, Henry Dana, Summerland	B.A. 5, M.A. 5
Hutton, E. E., West Summerland	B.A. 30, M.A. 30
Huycke, A. H., Kelowna	M.D. 25
Idsardi, Harold William, Vancouver	B.Sc. 25
*Irving, Paulus Æmilius, Victoria	
.....	B.A. 41, M.A. 41, B.C.L. 41, D.C.L. 41
Jackson, George John, Vancouver	B.Sc. 31
Jackson, Maunsell Bowers, Vancouver	B.Sc. 25
Jackson, Marcus Harry, Vancouver	B.A. 39, M.A. 39
Jagger, Thomas Henry, Vancouver	B.V.S. 39
Jamieson, Annie Bruce, Vancouver	B.A. 23
Jamieson, John Stewart, Vancouver	B.A. 39
Jamieson (<i>née</i> Marshall), Laura E., Vancouver	B.A. 39
Jeffs, Thomas W., Vancouver	M.B. 39
Jenkins, Margaret, Victoria	1
Jervis, James George, Vancouver	B.V.S. 39
Jewett, F. Arnold, Vancouver	B.A. 28
Johnson, Arthur Livingstone, Vancouver	B.A. 27, M.D., C.M. 25
Johnson, Henry Mayott, Victoria	M.A. 30
Johnson, Sydney Munnings, Greenwood	B.A.Sc. 39
Johnston, David B., Vancouver	B.A. 31
Jones, James Harold, New Westminster	M.D. 25
Jones, John Milton, Vancouver	D.D.S. 39
Keeley, Daniel Edward, Hosmer	31
Keith, Fraser Sanderson, Vancouver	B.Sc. 25
Keith, Harry Wishart, Enderby	M.D., C.M. 25
Keith, William Dow, Vancouver	M.B. 41

* Deceased.

*Keller, James Henry, North Vancouver	B.A. 5, M.A. 5
Kelley, Wellington Clifton, West Summerland	B.A. 26
Kendall, George Rockland, Vancouver	B.Sc. 25
Kennedy, John Douglas, New Westminster	B.A. 31
Kennedy, J. H., Vancouver	C.E. 39
*Kennedy, J. Keefer, Vancouver	B.C.L. 25
Kennedy, William Alan, Vancouver	B.Sc. 25
Kennedy, William Davis, Vancouver	M.D., C.M. 31
Kentish-Rankin, Lionel Kentish, Vancouver	M.A. 6
Ker, Robert H., Merritt	M.D. 25
Kidd, Charles E., Union Bay	B.A., B.D. 31
Kidd, William James, Mount Tolmie	B.A. 31, B.D. 31
Kilburn, George Hay, Rossland	B.Sc. 31
Killam, Cecil, Vancouver	M.A. 27
King, Alfred Albert, Ladner	M.D., C.M. 10
*King, Alfred Nelson, Victoria	B.A. 25
King, Garfield A., Vancouver	B.A. 31
King, H. de W., Vancouver	B.A. 10, LLB.
King, John Linkison, Vancouver	B.Sc. 31
Klinck, Leonard S., Vancouver	M.S.A. 25
Knowling, Albert James, Vancouver	B.A. 25
Knowlton, E. S., Vancouver	1
Knowlton, George Henry, Vancouver	B.A. 23
Knox, William John, Kelowna	M.D., C.M. 31
Ladner, Leon Johnson, Vancouver	B.A. 39, LL.B.
Landells, Robert, Golden	B.A. 10
Lane, Arthur Edward Cecil, Cowichan Bay	M.A. 30
Lane, James Eldon, New Westminster	B.A. 31
Lane, Laura Mathilda, New Westminster	B.A. 46
Lane, Robert Wallace, New Westminster	B.A. 31
Lang, Benjamin, Vancouver	M.D. 23
Lang, Warren Hastings, Vancouver	M.D. 23
Langford, Frederick William, Vancouver	B.A. 39
Langley, Albert Godwin, Vancouver	B.Sc. 25
Lanning, Mabel Mary, Ladner	B.A. 46
Large, Oliver Sydney, Vancouver	M.B. 39
Large, R. W., Port Simpson	M.B., C.M. 41
Larsen, Thorleif, Vancouver	B.A. 30
Lathe (<i>née</i> Smith), Annie, Grand Forks	B.A. 25
Lathe, Frank Eugene, Grand Forks	B.A. 25, B.Sc.
Latimer, Frank Herbert, Penticton	C.E. 33
Lavelle, Walter H., Nakusp	M.D. 31
Laverock, Lily T., Vancouver	B.A. 25
*Lawrence, Robert, Vancouver	M.D. 39
Lawson, John Paton, Vancouver	B.A. 23

* Deceased.

Layton, Francis P. H., Vancouver	B.A. 10
Lazier, David B., South Fort George	M.D. 31
Lea, William James, Vancouver	D.D.S. 39, D.D.C.
Lee, Annie Winifred, Vancouver	B.A. 46
Lees, F. W., Cranbrook	M.D. 25
Lehman, Edna, Victoria	B.A. 25
Le Messurier, Ernest, Vancouver	B.A. 46
Leonard, Harry M., Victoria	B.C.L. 17
Lett, Sherwood, Vancouver	B.A. 46
Levey, Thomas Henry, New Westminster	D.D.S. 39
Lindsay, Gordon, Vancouver	B.A. 25
Little, David C., Vancouver	B.A. 39
Livingston, Stuart, Vancouver	LL.B. 39
Lloyd, Herbert Mostyn, Vancouver	B.Sc. 25
*Lockett, George Vernon, Vancouver	
.....	M.D., C.M. 12, M.R.C.S., L.R.C.P.
Logie, Edward S., Point Grey	B.A. 46
Logie, Frederick George, Vancouver	M.D. 25
Logan, H. T., Vancouver	B.A. 25, 30
Logan, Robert F., Kamloops	B.A. 10
Lord, Alexander R., Kelowna	B.A. 31
Lucas, Allan Stanley Bruce, Prince Rupert	B.Sc. 25
Lucas, Frederick George Tanner, Vancouver	B.A. 39
Lucas, Frederick Travers, Prince Rupert	B.Sc. 25
Luckraft, Lawrence Charles, Vancouver	B.A. 46
Lugrin, Charles H., Victoria	M.A. 28
Maitland, Robert Reid, Vancouver	LL.B. 39
Manchester, George Herbert, New Westminster	M.D. 25
Manning, Zenies Viril, Vancouver	B.A. 25
Manson, Alexander Malcolm, Prince Rupert	B.A. 39
Manson, William, Prince Rupert	1
Mappin, Frederick T., Vancouver	B.A. 30
Marett, Albert Ernest, Vancouver	Phm.B. 39
Martin, Alexis, Victoria	B.A. 41, M.A. 41
Martin, E. A., Kelowna	M.D. 25
Martin, John Alexander, Vancouver	B.A. 39
Mather, Frederick J., Vancouver	B.A. 23
Mathews, Stanley W., Vancouver	M.A. 31
Matthews, Allan F., Kamloops	M.A. 10
Maughan, Joseph Albert, Merritt	B.A. 23
Maxwell, William Forest, Vancouver	B.A. 46
Maycock, Elizabeth Jane, Vancouver	B.A. 10, M.A.
Mayers, Francis James, Vancouver	B.A. 23
Maynard, Margaret Emily, Vancouver	B.A. 46
Meadows, Stanley Dwight, Vancouver	B.A. 25

* Deceased.

Melvin, Moses Gordon, New Westminster	B.A. 23
Mennie, John Hamilton, Vancouver	B.A. 46
Meredith, William James Elmore, New Westminster	B.A. 39
Messinger, Mary Irene, Vancouver	B.A. 3
Middleton, Morrice Smith, Nelson	B.S.A. 39
Mildmay, Aubrey N. St. John, Vancouver	B.A. 30, M.A.
Millar, J. Ferguson, Penticton	B.A. 31
Miller, Grace Winifred, Vancouver	B.A. 46
Miller, John Herbert, Agassiz	B.A. 31
Miller, John Wesley, Port Alberni	B.A. 39
Miller, Roland McLeod, Vancouver	B.A. 46
Mills, Charles George, Vancouver	Phm.B. 39
Mills, John Albert, Vancouver	M.D., C.M. 39
Mills, Lennox Algernon, Vancouver	B.A. 46
Milne, George Lawson, Victoria	M.D., C.M., 43, M.D. 39
Moilliet, John Lewis, Vancouver	B.A. 30
Monro, Alexander Stewart, Vancouver	M.D., C.M. 23
Montgomery, Edgar Gordon, Vancouver	B.Sc. 25
Moody, Margaret Hutton, Vancouver	B.A. 10
Moore, Samuel, Vancouver	B.A. 23, M.A. 23
Morgan, Arthur D., Alberni	M.D. 25
Morgan, Edward Wesley, Vancouver	B.A. 39
Morley, Sidney Frederick, Victoria	B.A. 30
Morris, H. H., Vancouver	B.A. 5
Morris, Osborne, Vernon	M.D. 25
Morrison, Aulay, Vancouver	LL.B. 10
Morrison, Patrick George, Fernie	Phm.B. 39
Moule, Frances S., Salmon Arm	B.A. 25
Mounce, Marion Jean, Vancouver	B.A. 46
Muddell, Vera Emily, Vancouver	B.A. 46
Muir, Andrew Crichton, Sandwick	B.A. 25
Muir, John Nicholson, Sandwick	B.A. 25
Mulhern, John Edward, Vancouver	B.A. 46
*Mullin, J. J., Extension	M.D. 25
Munn, D. Walter, Port Arthur	M.A. 25, M.Sc. 25
Munn (<i>née</i> Bouchard), T. C., Port Arthur	B.A. 25
Munro, Donald Hugh, Vancouver	B.A. 46
Murphy, Dennis, Vancouver	B.A. 29
Murray, Charles Rutherford, Victoria	B.A. 10
Murray, Charles William, Mission City	B.Sc. 31
Murray, George, Nicola	M.A. 13
Murray, Paul, Peachland	1
Murray, William Ewart Gladstone, Vancouver	B.A. 25
Mutrie, Margaret Kathleen, Vancouver	B.A. 46
MacDermott, John Henry, Vancouver	M.D. 25

* Deceased.

MacDonald, Alexander, Victoria	D.D. 1
Macdonald, Blanche, Nanaimo	B.A. 10
Macdonald, M. A., Vancouver	LL.B. 39
Macfarlane, Arthur Douglas, Victoria	B.A. 39
Macfarlane, Andrew Kerr Hastings, Vancouver	B.A. 31
MacGill (<i>née</i> Gregory), Helen Emma, Vancouver	
.....	Mus.Bac. 41, B.A. 41, M.A. 41
MacGill, James Henry, Vancouver	B.A. 41, M.A.
Macgowan, A. H. B., Vancouver	1
MacInnes, Isabel, Vancouver	M.A. 31
MacInnes, John Alexander, Vancouver	B.A. 31
MacInnes, William Hedley, Vancouver	B.A. 31
Mackay, Donald McGregor, Vancouver	B.A. 10, M.D.
MacKay, John, Vancouver	B.A. 39, B.D.
MacKay, Neil F., Victoria	B.A. 10
MacKechnie, Lachlan N., Vancouver	M.B. 39
MacKenzie, Harry Havelock, New Westminster	B.A. 10
MacKenzie, Jessie Jean, Vancouver	M.A. 31
MacKenzie, Kenneth Alexander, Vancouver	B.A.Sc. 39
MacKenzie, Mary Lizbeth, Vancouver	B.A. 10
MacKinnon, G. E. L., Nelson	M.D. 25
MacKinnon, George Watson, Ladysmith	B.A. 31
MacLaughlin, Alexander Jackson, Vancouver	M.D., C.M. 31
MacLaurin, Donald Leslie, Victoria	B.A. 26
Maclean, Alice Anne, Vancouver	B.A. 37
Maclean, Charles George Grieg, Hazelton	M.D., C.M. 25
MacLean, John Duncan, Greenwood	M.D. 25
MacLeod, Alexander Robertson, Vancouver	B.A. 25
MacLeod, Frank Thomas, Victoria	B.A. 10
MacLeod, Jean Marie, Vancouver	B.A. 46
MacLeod, John Virgil, Sardis	B.A. 25
Macleod, Adele, Victoria	M.A. 3
Macleod, Jenny Isabel, Victoria	B.A. 3
MacMillan, Hugh, Vancouver	M.D. 25
MacMillan, Isabel Gray, Vancouver	B.A. 46
Macnaghten, Russell E., North Vancouver	B.A. 6
MacNaughten, George Kerr, Cumberland.....	B.A. 28, M.D., C.M. 25
Nacnaughten, Jean L. M., Victoria	B.A. 25
Macneill, Albert H., Vancouver	LL.B. 10
MacPhail, David James, Vancouver	B.A. 26
MacPhail (<i>née</i> Ross), Mary Elsie, Vancouver	B.A. 39
MacPhail, Mary Campbell, Vancouver	B.A. 26
McAdam, Guy J., Vancouver	B.A. 28, M.A.
McArthur, Neil John, Vancouver	B.A. 39
McBride, Richard, Victoria	LL.B. 10
McCallum, John Aylmer, Grand Forks	B.A. 39
McColl, Evan Charles Walter, Port Moody	B.A. 31

McConkey (<i>née</i> Sibbald), Mary, Vancouver	B.A. 23
McConkey, William Andrew, Vancouver	M.D. 23
McCoy, Emma Caroline, Vancouver	B.A. 25
McCoy, Joseph, Victoria	B.A. 39, M.A. 39
McCrossan, George Edward, Vancouver	B.A. 23, M.A.
McDiarmid, Christie, Langley	B.A. 23
McDiarmid, Colin Andrew, Vancouver	M.D., C.M. 25
McDiarmid, Stuart Stanley, Vancouver	B.Sc. 31
McDonald, William Forbes, Vancouver	M.D., C.M. 25
*McDougall, Clarence Hobart, Moyie	B.Sc. 25
McDuffie, R. H., Vancouver	Phm.B. 39
McElhanney, William Gordon, Vancouver	B.A. 39
McEwen, Edwin Howard, New Westminster	M.D. 25
McEwen, Stanley Cameron, Hammond	M.D. 25
McGarrigle, Thomas Andrew, Victoria	B.A. 28
McIntosh, D. H., Summerland	B.A. 26
McIntosh, Douglas, Vancouver	B.A. 10, M.A. 50, D.Sc. 25
McIntosh, Hamish Heney, Vancouver	M.D. 25
McIntosh (<i>née</i> Burns), Helena Keith, Vancouver	B.A. 39
McIntosh, John William, Vancouver	B.A. 39, M.B.
McIntyre, Douglas Neil, Victoria	B.A. 31
McKay, J. G., New Westminster	M.D. 25
McKay, William Moore, Vancouver	B.A. 39
McKechnie, Robert Edward, Vancouver	M.D., C.M. 25
McKechnie, William Boyd, Vancouver	M.B. 39, M.D., C.M.
McKechnie, William Cecil, Vancouver	M.D. 25
McKee, Charles Sears, Vancouver	M.B. 39
McKeen, Mabel Helen, Vancouver	B.A. 25
McKeen, William G., Vancouver	B.A. 10
McKillop, Alexander, Vancouver	B.A. 31
McKenzie, James T., Vancouver	M.D. 25
McKim, Harold Claude Nelson, Vancouver	B.A. 23
McLaren, Duncan Bright, Victoria	B.A. 6
McLaren, E. D., Vancouver	B.A., D.D. 1
McLatchy, Herman Jackson, Vancouver	B.A. 28
McLellan, Leander Blair, Vancouver	B.A. 10
*McLellan, R. Burns, Vancouver	B.Sc. 25
McLennan, A. L., Vancouver	B.A. 31, M.D. 25
McLennan, Peter Andrew, Vancouver	M.D., C.M. 25
McLeod, Finimore Melbourn, Vancouver	B.A. 28
McLeod, Hazel Elizabeth, Vancouver	B.A. 25
McMicking, Antony Edgar, Victoria	M.D., C.M. 25
McMillan, Edgar Roy, New Westminster	B.A. 39, M.A.
McNaughton, M. H., Victoria	1
McNeill, Elsie, Vancouver	B.A. 3

* Deceased.

McNiven, Catherine, Vancouver	B.A.	10
McNiven, John J., Vancouver	B.Sc.	25
McPhee, T. J., Comox	M.D.	25
McPhillips, A. E., K.C., Victoria		1
McPhillips, Francis Xavier, Vancouver	M.D.	23
McQueen, Elizabeth, Vancouver	B.A.	25
McQueen, George Robert, Vancouver	B.A.	25
McQueen, Kate Hewiston, Vancouver	B.A.	25
McQueen, William, Vancouver	B.A.	39
McRae, Duncan A., Cloverdale	B.A.	25
McRae, John, Vancouver	Phm.B.	39
McTaggart, Donald Edgar, Vancouver	B.A.	25
McTavish, Frank Cornwall, Vancouver	M.B.	39
McTavish, William A., Vancouver	M.B.	39
Nelles, Thomas Ransom B., Vancouver	M.D., C.M.	25
Newcombe, William Edwin, North Vancouver	M.D.	25
Newton, Edward Harold, Vancouver	B.A.	46
Nicholson, Francis John, Vancouver	M.D.	25
O'Boyle, William Patrick, New Westminster	B.A.	29
O'Brien, Leslie J., Nanaimo	B.A.	39
O'Dell, Maunsell B., Vancouver	B.A.	23
Odlum, Edward, Vancouver	B.A. 39, M.A., B.Sc.	
Ogilvie, William Prescott, Vancouver	B.C.L.	25
O'Meara, Arthur E., Victoria	B.A.	39
Orr, Olive May, Chilliwack	B.A.	46
O'Shea, James, Nelson	B.A.	31
Owen, Cecil Caldebeck, Vancouver	B.A.	39
Palmer, John Thomas Edward, Vancouver	B.A.	6
Panton, Kenneth Douglas, Vancouver	M.B.	39
Parkinson, Stella Howchin, Vancouver	B.Sc.	4
Paterson, Edith Louise, Vancouver	B.A. 25, M.A.	
Patterson, Frank Porter, Vancouver	M.D., C.M.	25
Pattison, Thomas, Vancouver	M.A.	13
Patton, William Daniel, Vancouver	M.D., C.M.	25
Paul, Edward Burness, Victoria	M.A.	2
Paul, Norman Joseph, Vancouver	M.D.	23
Paulin, Stanley, Vancouver	M.B.	39
Pearcy, Wilhelmine Wickham, Vancouver	B.A.	39
Pearson, John Mawer, Vancouver	M.D., C.M.	39
Peck, Kathleen Margaret, Vancouver	B.A.	46
Peele, Sidney Beresford, Vancouver	M.D.	25
*Pemberton, Robert George, Vancouver	M.A.	6
*Pentreath, Edwyn Sandys Watmore, Vancouver	B.D. 23, D.D.	
Perkins, Ella Dawson, Vancouver	B.A.	10
Perry, Aaron Jenkins, West Summerland	M.A.	3

* Deceased.

Perry, Dallas Gordon, Vancouver	M.D., C.M. 23, M.R.C.S., L.R.C.P., F.R.C.S. 12
Petapiece, Aza W., East Burnaby	B.A. 31
Petersky, Samuel, Vancouver	M.D., C.M. 25
Petrie, John Alexander, Merritt	B.A. 31, B.D. 31
Phipps, Roy Gage, Vancouver	B.A. 25
Pidgeon, George Campbell, Toronto, Ont.	B.A. 25, DD. 25
Pim, Laura May, Vancouver	B.A. 46
Pollock, Francis, Vancouver	D.D.S. 39
Pollock, Thressa Alleeta	B.A. 46
Porter, James, Vancouver	B.E. 34
Pottenger, Arthur Buchanan, Vancouver	B.A. 39, M.A.
*Powell, Israel W., Victoria	M.D. 25
Price, Milton, Vancouver	B.A. 28, M.A. 28, B.C.L. 17
Price, Thomas Ernest, Vancouver	B.A. 25, B.Sc.
Pringle, Herbert S., Victoria	B.A. 31
Procter, Arthur Percival, Vancouver	M.D., C.M. 23
Prowd, Charles Wesley, Vancouver	M.B. 39
Purdue, Anna J. G., Kaleden	B.A. 28
Racey, Percy W., Rossland	B.Sc. 25
Rae, William, Vancouver	B.A. 2, B.L.
Raines, Frank Norman, Vancouver	B.A. 39, M.A.
*Rand, Charles David, Vancouver	B.A. 3
Rand, William Lawson, Vancouver	B.A. 3
Rankin, Annie B., Vancouver	B.A. 39
Raphael (<i>née</i> McLeod), Euphemia, Barnet	B.Sc. 25
Raphael, Gordon Stewart, Barnet	B.Sc. 25
Raynor, Laura M., Lund	B.A. 10
Reid, Albert Thomas Scott, Vancouver	Phm.B. 39
Reid, James George, Salmon Arm	B.A. 23
Riggs, Herbert Wilkinson, Vancouver	M.D., C.M. 23
Ritchie, Thomas Navin, West Summerland	B.A. 26
Rive, Henry, Victoria	B.Sc.Agr. 39
Roberts, Hugh Henry, Vancouver	B.E. 20, B.Sc. 22
Roberts, Thomas Henry R., Vancouver	B.A. 39
Robertson, A. M., Vancouver	M.D., C.M. 25
Robertson, David, Vancouver	1
Robertson, Francis Arthur, Victoria	B.A. 23, M.A.
Robertson, Harold E. B., Victoria	B.A. 41
Robertson, James Robert, Nanaimo	B.A. 23, B.D.
Robertson, Lemuel, Vancouver	B.A. 25, M.A. 25
Robertson, Norman Roy, Vancouver	B.Sc. 39
Robertson, Thomas Joseph, New Westminster	B.A. 46
Robertson, William Fleet, Victoria	B.A.Sc. 25
Robinson, Alexander, Victoria	B.A. 10, LL.D. 10

* Deceased.

Robinson, David Magee, Victoria	B.A. 10
Robinson, George Edward, Vancouver	B.A. 10
Robinson, Jean, Victoria	B.A. 46
Robinson, J. M., Naramata	1
Robinson, John T., Kamloops	1
Robson, John, Victoria	B.A. 39, B.D.
Rogers, Reginald Heber, Alberton, P.E.I.....	B.A. 25, M.A., B.C.L.
Rolston, Cecil Michel, Vancouver	M.D. 23
Roper, John Charles, Victoria	D.D. 1
Rose, George Christian, Kelowna	M.A. 2
Rose, William Oliver, Nelson	M.D. 25
Rosebrough, Josie Pearl, Vancouver	B.A. 46
Ross, Edwin Byron, Vancouver.....	B.A. 10, M.A. 10, LL.B. 10
Ross, Stuart Aird, Vancouver	M.D. 25
Ross, William Roderick, Victoria	B.A. 23, M.A.
Rubinowitz, Israel Isidore, Vancouver	B.A. 25
Russell, Ernest Howard, Victoria	B.A. 31
Russell, John, Union Bay	B.A. 46
Russell, Joseph Ambrose, Vancouver	LL.B. 10
Russell, Robert Guthrie, Vancouver	B.Sc. 12
Rutherford, Widmer John, Vancouver	D.D.S. 39
Ryan (<i>née</i> Reynolds), Helen Elizabeth, Victoria	M.D., C.M. 31
Sanford, Albert M., New Westminster	B.A. 27, D.D.
Saunders, Edward H., Vancouver	M.D., C.M. 25
Saunders, Frank Caithness, Vancouver	B.A. 25
Saunders, Thomas Fyson, Baynes Lake	M.D., C.M. 31
Sawyer, Everett W., Summerland	B.A. 3, D.C.L.
Schinbein, Austin Birrell, Vancouver	M.B. 39
Schultz, Samuel Davies, Vancouver	B.A. 39
Schwarze, Heinrich Karl, Nanaimo	M.A. 23
Schwesinger, Gladys Clotilde Johanna, Point Grey	B.A. 46
Scott, Snowdon Dunn, Vancouver	B.A. 14, M.A. 27
Scott, Thomas Smythe, Vancouver	B.A. 31, B.Sc.
Scrimgeour, John Murray, Vancouver.....	M.A. 36, LL.B. 12
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Seldon, George Elliott, Vancouver	M.D., C.M. 39
Selman, Gordon Samuel, Vancouver	B.A. 25
Senkler, John Harold, Vancouver	B.A. 39
Sexsmith, Franklin Frederick Burrows, Eburne	B.A. 46
Shaw, Effie Lovica, Shuswap	B.A. 39
Shaw, Henry Curtis, Vancouver	B.A. 10
Shaw, John, Nanaimo	1
Shaw, R. McL., Michel	M.D. 25
Shaw, Vernon Hastings, Vancouver	B.C.L. 10
*Shearman, Thomas Stinson Becket, Vancouver	B.A. 46

* Deceased.

Shewan, Douglas Robert, Vancouver	M.D., C.M.	25
Shurie, Josiah Sinclair, Vancouver.....	B.A. 31, M.D., C.M.	39
Silva-White, Algernon, Sunderland, Eng.	B.A. 23, M.A.	
Simpson (<i>née</i> Peppard), Sara Isabel, Vancouver	B.A.	10
Sinclair, Archibald Clayton, Victoria	M.B.	39
Skaling, Arthur Clifton, Vancouver	B.A.	25
Sloan, David, Vancouver	B.Sc.	31
Smillie, Robert, Nelson	B.A.	39
Smith, Alexander G., Victoria	M.A.	2
Smith, Arthur Gordon, Vancouver	B.A.	39
Smith, A. Neville, Vancouver	B.A.	25
Smith, B. S., Nanaimo	M.D.	25
Smith, David Angus, Vancouver	B.A.	46
Smith, Frank Frieze, Kamloops	B.A.	10
Smith (<i>née</i> Gass), Helen B., Armstrong	B.A.	25
Smith (<i>née</i> Robson), Helen Douglas, Vancouver	B.A.	39
Smith, Margaret Ann, Collingwood	B.A.	25
Smith (<i>née</i> McWhinney), M. Olive, Vancouver	B.A.	25
Smith, William A. de Wolf, New Westminster	M.D., C.M.	25
Smyth (<i>née</i> Thompson), Lottie, Vancouver	B.A.	31
Smyth, Walter L., Vancouver	B.Sc.	31
Souper, Noel Beaumont, Cowichan Bay	B.A.	6
Southcott, James Percy Caldwell, Vancouver	B.A.	46
Sovereign, Arthur Henry, Vancouver	B.A. 29, M.A.	
Spankie, James Ernest, Vancouver	M.D., C.M.	31
Spencer, John Miller, New Westminster	Phm.B.	39
Sprott, Robert James, Vancouver	B.A.	39
Stapleford, Ernest William, Saskatchewan	B.A.	39
Stapleford, Frank N., Victoria	B.A.	39
Stapleford (<i>née</i> Bunting), Maude, Saskatchewan	B.A.	39
*Staples, Otis, Cranbrook		1
Steed, Willmott Benson, Nelson	D.D.S.	39
Stephen, John, Malcolm Island	M.A.	2
Sternberg, Frank, Victoria	B.A.	39
Sterns, Edith B., Charlottetown, P.E.I.	B.A.	3
Steeves (<i>née</i> Champier), Jessie Maude, Steveston	B.A.	3
Stewart, Robert Holden, Trail	B.Sc.	25
Stewart, William Edgar, Vancouver	B.Sc.	10
St. James, Leah A., Vancouver	B.A.	25
Story, Evelyn Sykes, Vancouver	B.A.	46
Stott, William, Quesnel	B.A.	31
Suggitt, Maizie Anne, Vancouver	B.A.	46
Sullivan, Albert, Victoria	B.A.	31
Sullivan, Michael Henry, Trail	B.Sc.	25
Suter, Robert W., Vancouver	B.A.Sc. 25, B.A.	26

* Deceased.

Sutherland, James A., Vancouver	M.D. 25
Sutherland, William Henry, Revelstoke	M.D., C.M. 25
*Sutton, W. J., Victoria	1
Swan, William George, Vancouver	B.A.Sc. 39
Swanson, John D., Kamloops	B.A. 39
*Sweet, John Hales, Vancouver	B.A. 28
Swift, T. A., Abbotsford	M.D. 25
Switzer (<i>née</i> Paterson), Isabel McNab, Vancouver	B.A. 23
Tanner, Gordon, Vancouver	B.A. 23
Tapscott, Frederick T., Victoria	B.A. 26, M.A.
Taylor, Archibald Dunbar, Vancouver	B.A. 25, B.C.L. 25
Taylor, Edna May, Vancouver	B.A. 46
Taylor, J. D., New Westminster	1
Taylor, James Norman, Golden	M.D. 25
Teakles (<i>née</i> McLaurin), Elizabeth, Vancouver	B.A. 26
Teakles, William Burnett H., Vancouver	B.A. 26
Telford, Norman, Vancouver	M.B. 39
Telford, Robert, Vancouver	M.D., C.M. 25, F.R.C.S.
Thomas, Louise L., Nelson	B.A. 10
Thomas, Morris W., Victoria	M.D., C.M. 25
Thomas, Owen James, Vancouver	B.A. 25
Thomas, Theodore Gauntlett, Victoria	B.A. 30
Thompson, A. Rutherford, Vancouver	B.A. 25
Thompson, Clausen A., Vancouver	B.A. 46
Thomson, Charles Alexander, Rossland	B.A. 10, M.A. 19
Thomson, James Wolsley, Vancouver	M.D., C.M. 25
Thomson, Wesley Chantler, Vancouver	B.A. 46
Thorn, John Bain, Vancouver	M.D. 23
Tolmie, S. F., Victoria	1
Townley, Thomas Owen, Vancouver	B.A. 39
Tracy, Arthur George, Victoria	B.A. 6
Trapp, T. J., New Westminster	1
Trousdale, Frederick Harry, Vancouver	M.D., C.M. 31
Truax, Windsor, Grand Forks	M.D. 25
Tuck, S. P., Nelson	1
Tulk, Albert Edward, Vancouver	B.C.L. 25
Tunstall, Charles A., Vancouver	M.D. 25
*Tunstall, Simon J., Vancouver	B.A. 25, M.D., C.M. 25
Turnbull, Herbert Lorne, Vancouver	M.B. 39
Turnbull, James L., Vancouver	M.B. 39, M.D.
Turnbull, John Moncrieff, Vancouver	B.A.Sc. 25
Turnbull, John Rodney, Vancouver	B.A. 26
Uchida, Chitose, Vancouver	B.A. 46
Underhill, Frederick Clare, Vancouver	B.Sc. 25
Van Blaricom, Ida M., Vancouver	B.A. 23

* Deceased.

*Van Munster, Rein, North Vancouver	M.A. 23
Vermilyea, Ada Irene, Vancouver	B.A. 46
Wade, Frederick Coate, Vancouver	B.A. 39
Wade, Mark Leighton, Kamloops	B.Sc. 25, E.E.
Walkem, Richard Knox, Vancouver	B.A. 31
Walkem, W. Wymond, Vancouver	M.D. 31
Walker, Eliza C., Vancouver	B.A. 10
Walker, James Alexander, Fort George	B.A.Sc. 39
Walker, Richard Eden, New Westminster	M.D., C.M. 41
Wallace, Horatio, Kelowna	M.A. 12
Walsh, Harold Edgar, Vancouver	B.A. 46
Walsh, William Charles, Vancouver	M.B. 39
Walsh, Walter William, Vancouver	B.A. 29
Waring, Henry F., Vancouver	B.A. 3
Wark, Albert Edward, Vancouver	D.D.S. 39
Waters, Wright Stevenson, Victoria	B.Sc. 32
*Watt, Alfred Tennyson, William Head.....	M.D., C.M. 43, M.B. 39
Watt, Hugh, Fort Steele	M.D., C.M. 43, M.D. 39
Watt (<i>née</i> Robertson), Madge Robertson, William Head	B.A. 39, M.A. 39
Watson, James Livingstone, Greenwood	B.A. 39
Weld, Octavius, Vancouver	B.A. 39, M.B.
Weldon, R. C., Michel	M.D. 25
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White, Charles John, Vancouver	B.A. 23
White, Edward Woodman, New Westminster	B.S.A. 39
White, Gilbert James Coulter, Summerland	B.A. 3
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White, Helen Margaret, Vancouver	B.A. 46
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White, Reginald B., Penticton	M.D. 25
Whitelaw, William Albert, Vancouver	M.D., C.M. 25
Whitteker, Walter Clifford, Vancouver	M.D., C.M. 31
Whittington, Robert, Vancouver	B.A. 39, M.A., B.Sc.
Whyte, Harold Eustace, Victoria	B.Sc. 25
Willet, Jean Trevenen, Vancouver	B.A. 25
Williams, Adolphus, Vancouver	B.A. 39
Williams, C. S., Merritt	M.D. 25
Williams, William Edward, Prince Rupert	B.A. 39, LL.B.
Willis, Samuel J., Vancouver	B.A. 25
Winslow, Rainsford-Hannay, Vancouver	B.Sc. 25
Winslow, Roy Maywood, Victoria	B.S.A. 39

* Deceased.

Vance, William Hugh, Vancouver	B.A. 39, M.A.
Wilson, Albert Arthur, Vancouver	M.D., C.M. 25
Wilson, Alexander Douglas, Vancouver	B.A. 39, LL.B.
Wilson, David, Victoria	B.A. 28
Wilson, David Henry, Vancouver	M.B. 39
Wilson (<i>née</i> Anderson), E. Lazelle, Vancouver	M.B. 39
Wilson, Frederick Charles, Vancouver	B.A. 23
Wilson, George Halford, Vancouver	B.A. 39
Wilson, George Thomas, New Westminster.....	B.A. 25, M.D., C.M.
Wilson, J. A. Kerr, Ladner	M.D. 25
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Wilson (<i>née</i> Dixon), Margaret, Vancouver	B.A. 25
Wilson, Mary Letitia, Vancouver	B.A. 46
Wilson, Robert James, Vancouver	B.A. 39, M.A.
Wilson, Thomas Alexander, Vancouver	M.D., C.M. 31
Wilson, Thomas Evered, Vancouver	B.A. 39
Wilson, Wallace Algernon, Vancouver	B.A. 39, M.B.
Wilson, William Cochrane, Vancouver	B.A. 46
Wolverton, Newton, Nelson	B.A. 39, LL.D. 26
Wood, Burton J., Vancouver	B.Sc. 10
Wood, Charles Nelson, Vancouver	Phm.B. 39
Wood, Frederic G. C., Vancouver	B.A. 25
Wood, Herbert Spencer, Vancouver	B.A. 31
Woodland, Harold Elton, Grand Forks	Phm.B. 39
Woodley, James Walter, Vancouver	M.D. 25
Woodside, John William, Vancouver	M.A. 23
Woodworth, Charles M., Vancouver.....	B.A. 3, M.A., LL.D. 10
Woodworth, Victor, Chilliwack	B.A. 3
Woollard, Charles, Vancouver	M.D. 23
Workman, William, Coal Creek	B.Sc. 31
Worthington, George Harvey, Vancouver	M.D., C.M. 39
Wortley, H. E., Vancouver	B.A. 30
Wright, Charles Alfred Holstead, Vancouver	B.Sc. 46
Wright, George R., Vancouver	B.Sc. 25
Wright, Leroy Charles, Vancouver	B.A. 46
Wright, J. S., Vancouver	M.D. 23
Wrinch, Horace Cooper, Hazelton	M.D., C.M. 39
Wyatt, John Milford, Vancouver	B.A. 39
Yyllie, William Andrew, Kamloops	B.A. 39
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Yates, Arthur, Victoria	B.A. 25, B.A. 30
Young, Frederick McBain, Prince Rupert	B.A. 39
Young, Henry Esson, Victoria	
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