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Dalhousie University

HALIFAX

Nova Scotia



CALENDAR

1945-1946

IN THE YEAR OF OUR LORD 1820
AND IN THE FIRST YEAR OF THE REIGN
of His Sacred Majesty George the IV
KING OF THE UNITED KINGDOM OF
GREAT BRITAIN & IRELAND

bc. bc. bc.
The Corner Stone of this College

DESIGNED FOR

A PUBLIC SEMINARY

in which the Youth of this and other
BRITISH PROVINCES may be EDUCATED in the
Various Branches of Literature, Science & Useful Arts

WAS LAID

By His Excellency Lieutenant General
The Right Honourable
GEORGE RAMSAY EARL OF DALHOUSIE
Baron Dalhousie of Dalhousie Castle
Knight Grand Cross of the Most Honourable
Military order of the Bath, CAPTAIN GENERAL
and GOVERNOR in CHIEF in and over his Majesty's
Provinces of LOWER CANADA, UPPER CANADA,
NOVA SCOTIA and NEW BRUNSWICK and
THE ISLANDS OF PRINCE EDWARD & CAPE BRETON,

bc. bc. bc.

Accompanied By
Rear Admiral Griffith & the Captains of His
MAJESTY'S SHIPBOARD ON THE STATION, COLONEL GEORGE MACLEOD
COMMANDANT OF THE GARRISON, LIEUT. COLONEL GAUNTLETT
Commanding the 62nd REGIMENT and the Field Officers of His
Majesty's Forces in this GARRISON *bc. bc. bc.*

John George Dyke Esq. Grand Master, the Grand
Wardens, Officers & Brethren of the Respective Lodges
of Freemasons in Halifax, MAY 22nd

CONTENTS

	Page		Page
GENERAL INFORMATION—		COURSES FOR DIPLOMAS IN—	
Academic Courses.....	30	Education.....	54
Academic Staff.....	31	Engineering.....	56
Advanced Standing on Grade XII Certificates.....	27	Engineering, Chemical.....	57
Aid Funds.....	79	Geology, Mining.....	57
Admission to Various Faculties.....	31	Medicine.....	53
Affiliated Institutions.....	21	Pharmacy.....	54
Alumni.....	23	Forestry.....	54
Assessments.....	viii	FACULTY OF LAW—	
Board of Governors.....	23	Academic Year.....	110
Certificates exempting from Examinations.....	23	Admission.....	111, 112
Church Attendance.....	19	Affiliated Courses.....	119
Constitution.....	19	Alumni.....	114
Degrees and Courses.....	157	Classes of Instruction.....	114
Degrees, Conferred.....	21	Curriculum.....	115
Degrees, Confering of.....	19	Degree.....	114
Deposits, Cashless.....	19	Examinations, Regular.....	114
Deposits, Discontinued.....	19	Examinations, Supplemental.....	114
Diploma Courses.....	17	Fee.....	115
Diplomas.....	17	Gratuities and Prizes.....	115
Employment Bureau.....	19	Mock Parliament.....	114
Examinations (all Faculties).....	28, 118, 128, 139	Mock Court.....	114
Examinations, Deferred.....	16	Nova Scotia Barristers' Society, Regulations of.....	110
Examinations, Final.....	74, 116, 122, 151	Regulations.....	119
Health Service, Students.....	11	FACULTY OF MEDICINE—	
Historical Sketch.....	11	Academic Year.....	125
Laboratories.....	12, 18	Admission and Grading.....	125
Literature.....	18	Affiliated Courses.....	125
Loan Funds.....	29	Buildings.....	125
Lost and Found, Articles.....	21-25	Classes of Instruction.....	125
Matriculation.....	10	Curriculum.....	127
Museum.....	14	Degree, Regulations for.....	128
Nautical Training.....	16	Distinction Lists.....	129
Post-Discharge Re-establishment.....	12	Examinations, Admission to.....	129
Privileges in other Institutions.....	12	Examinations, Professional.....	129
Professors Emeriti.....	8	Examinations, Supplemental.....	130
Registration.....	9, 15	Exemptions.....	131
Residence, Dates.....	9, 15	Fee.....	134
Regulations, General University.....	15	Hospital.....	125
Residence.....	15	Laboratory.....	125
Scholarships and Prizes.....	39	Library.....	125
Seminars.....	19	Medals and Prizes.....	132
Student Activities, Non-Academic.....	19	Pass Lists.....	129
Student Organizations, For or support of.....	20	Privileges.....	132
Students Registered 1944-45.....	16	Regulations, General University.....	132
Tuition.....	16	Regulations, Provincial.....	132
University Laws.....	157	Sponso Academics.....	131
FACULTY OF ARTS AND SCIENCE—		FACULTY OF DENTISTRY—	
Academic Year.....	33	Academic Year.....	148
Admission to Classes.....	33-39	Admission.....	148
Affiliated Courses.....	33	Affiliated Courses.....	148
Aid Funds.....	18	Classes of Instruction.....	148
Attendance and Class Work.....	76	Curriculum.....	148
Classes of Instruction.....	42	Degree, Regulations for.....	147
Courses, Advanced.....	42	Distinction Lists.....	148
Courses, Honours.....	42	Dentistry, Dental Council.....	147
Courses, Suggested.....	34, 38	Examinations, Admission to.....	149
Order of Classes.....	32, 38, 40	Examinations, Professional.....	149
Supplemental and Special Examinations.....	30	Exemptions.....	151
COURSES FOR DEGREES—		Fee.....	152
Bachelor of Arts.....	31	Gratuities and Appliances.....	151
Bachelor of Arts with Distinction.....	41	Medals and Prizes.....	152
Bachelor of Arts with Honours.....	37	Regulations, General University.....	147
Bachelor of Commerce.....	37	Regulations, Provincial.....	146
Bachelor of Music.....	35		
Bachelor of Passonary.....	34		
Bachelor of Science.....	34		
Bachelor of Science with Distinction.....	40		
Bachelor of Science with Honours.....	37		
Master of Science.....	37		
Master of Science (Fisheries).....	38		

University Almanac, 1945-1946

1945

- Aug. 20 M.—Last day for receiving applications* for Fall Supplemental Examinations.
- Sept. 3 M.—Surveying Camp for students in Engineering begins.
- Sept. 4 Tu.—
5 W.—
6 Th.—
7 F.—
Supplemental Examinations for students in Law, Medicine, Dentistry.
- 11 Tu.—Session begins. Registration (and Payment of Fees) for students in Law, Medicine, Dentistry.
- 12 W.—Classes begin, and last regular Registration† Day for such students.
- 17 M.—Noon. Registration for such students ends.
- 22 S.—Matriculation and Supplemental Arts and Science Examinations‡§ begin.
- 9.30—12.30 a.m., Latin; German.‡
—2.30—5.30 p.m., English.
- 24 M.—9.30—12.30 a.m., French; Greek.‡
—2.30—5.30 p.m., Physics.
- 25 Tu.—9.30—12.30 a.m., Geometry.
—2.30—5.30 p.m., Chemistry.
- 26 W.—9.30—12.30 a.m., Algebra.
—2.30—5.30 p.m., Trigonometry; History.‡
- 26 W.—Registration (and Payment of Fees) begins in Faculty of Arts and Science. The only regular registration day for New Students from Halifax and Dartmouth.
- 27 Th.—The only regular registration day for other New Students in Faculty of Arts and Science.
- 28 F.—Registration begins for other than new students in Faculty of Arts and Science.
Special lectures for New Students in Faculty of Arts and Science.
- 29 S.—12 Noon. Regular Registration† Period for students in Arts and Science ends. Halifax students will not be registered on this day.

*Fee must accompany application for examination. If a late application is accepted an additional fee of \$2.00 per day (maximum \$5.00) must be paid.

†Extra fee for late registration, \$2.00 per day.

‡For time table see Notice Board.

§In case of conflict of examinations arrangements will be made for changes suitable to all candidates.

- Oct. 1 M.—Results of Matriculation and Supplemental Examinations declared.
—9 a.m. Classes begin in Arts and Science.
- 2 Tu.—12 Noon. Meeting of Faculty of Arts and Science.
- 6 S.—12 Noon. Registration in Arts and Science ends.
- 11 W.—Last day for change of course in Faculty of Arts and Science.‡
M.—Thanksgiving Day.
- Nov. 11 —Remembrance Day.
- Dec. 11 M.—Last day of lectures in classes in which Christmas Examinations are held.
12 W.—Christmas Examinations‡§ begin, except in Law.
19 W.—9 a.m., Christmas vacation begins.

1946

- Jan. 3 Th.—9 a.m. Classes resumed.
- Mar. 12 Tu.—Munro Day. No Classes.
- 30 S.—Last day for receiving Applications* for Examinations for Master's degree and for Music and Pharmacy.
- Apr. 1 M.—Last day for receiving Applications* for Spring Supplemental Examinations (Law, Medicine, Dentistry).
- 18 Th.—Last day of classes.
- 19 F.—Good Friday. No Classes.
- 22 M.—Spring Examinations‡§ begin.
- 30 Tu.—Final Professional Examinations in Medicine and Dentistry begin.
- May 8 W.—8 p.m., Meeting of Faculty of Dentistry.
9 Th.—11 a.m., Meeting of Faculty of Arts and Science.
10 F.—4 p.m., Meeting of Faculty of Law.
—5 p.m., Meeting of Faculty of Medicine.
11 S.—11 a.m., Meeting of Senate.
14 Tu.—3 p.m., Convocation. Session ends.

‡§Charge of \$2.00 for changing course after this date.

†§For time table, see Notice Board.

*Fee must accompany application for examination. If a late application is accepted an additional fee of \$2.00 per day (maximum \$5.00) must be paid.

Dalhousie University

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*On leave for the duration.

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*On leave for the duration.

†Died during session.

ACADEMIC STAFF

FACULTY OF ARTS AND SCIENCE, 1944-45

*Carleton Stanley, B.A. (Tor. et Oxon.), M.A. (Oxon.), LL.D. (Tor. et Ms.), Litt.D. (Cal.), F.R.S.C., President of the University, 24 Oxford St.**Howard Logan Bronson, B.A., Ph.D. (Yale), F.R.S.C., George Munro Professor of Physics and Head of Department, 10 Studley Ave.**Herbert Leslie Stewart, M.A. (Bell. et Oxon.), Ph.D. (Bell.), F.R.S.C., George Munro Professor of Philosophy and Head of Department, 75 Larch St.**Walter Percy Copp, B.A. (Acad.), B.Sc. (McGill), M.E.I.C., Professor of Civil Engineering and Head of Department, 394 South St.***John Hamilton Lane Johnstone, M.B.E., O.B.E., M.Sc. (Dal.), Ph.D. (Yale), O. E. Smith Professor of Physics, 285 South St.**A. Stanley Walker, M.A. (Leeds et Birm.), B.Litt. (Oxon.), LL.D. (Dal.), D.D. (Queen's), Professor of History (King's), The President's Lodge, King's College.***George Hugh Henderson, O.B.E., B.Sc., M.A. (Dal.), Ph.D. (Cantab.), F.R.S.C., F.R.S., Professor of Mathematical Physics (King's), 74 Morris St.**George Earle Wilson, M.A. (Queen's), Ph.D. (Harv.), George Munro Professor of History and Head of Department, 75 Morris St.***Robert Alexander MacKay, B.A. (Tor.), Ph.D. (Princ.), F.R.S.C., Eric Dennis Memorial Professor of Government and Political Science.**Hugh Philip Bell, M.Sc. (Dal.), Ph.D. (Tor.), G. S. Campbell Professor of Biology (Botany) and Head of Department, 53 Oakland Rd.**Harold Raymond Theakston, B.Sc. (Mining) (N.S.T.C.), M.E.I.C., Professor of Drawing and Descriptive Geometry, and Engineer in charge of Buildings and Grounds, 27 Oakland Rd.**Charles Lindsey Bennett, M.A. (Cantab. et Harv.), George Munro Professor of English Literature and Head of Department, 392 South St.**George Vibert Douglas, M.C., M.Sc. (McGill), F.G.S., F.G.S.A., M.E.I.C., Carnegie Professor of Geology, Lower Sackville, Halifax Co., N. S.**Arthur Kent Griffin, M.A. (Tor. et Oxon.), Ph.D. (Tor.), Professor of Classics (King's), 4 Studley Ave.**Lothar Richter, Dr. jur., Dr. rer. pol. (Breslau), Professor of German, 15 Wasagwoitze Ave.*

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- *Stewart Bates, M.A. (Glas.), William A. Black Professor of Commerce, 4 Hawthorne St.
- Alexander Sutherland Mowat, M.A., B.Ed. (Edin.), O. E. Smith Professor of Education, 2 Studley Ave.
- Carl Cowan Coffin, B.A. (Dal.), M.Sc., Ph.D. (McGill), F.R.S.C., Harry Shirreff Professor of Chemical Research and Head of Department, 202 Jubilee Rd.
- William Russell Maxwell, B.A. (Dal.), M.A. (Harv.), Professor of Economics (King's), 68 Robie St.
- Samuel Henry Prince, M.A. (Tor.), Ph.D. (Col.), Professor of Economics and Sociology (King's), King's College Residence.
- Charles Henry Mercer, M.A., B.Com. (Manch.), Associate Professor of Modern Languages, 16 Cambridge St.
- *Harold Skinner King, A.B., Ph.D. (Harv.), Associate Professor of Chemistry.
- S. A. Heatty, M.A. (Queen's), Ph.D. (McGill), Associate Professor of Biochemistry (Fisheries), Fisheries Experimental Station.
- Frederick Ronald Hayes, M.Sc. (Dal.), Ph.D. (Liverpool), F.R.M.S., Associate Professor of Zoology, 123 Oakland Rd.
- John Burns Martin, M.A. (Tor.), Ph.D. (Harv.), Associate Professor of English (King's), 84 Oakland Rd.
- John Geoffrey Adaband, M.A. (Cantab.), Associate Professor of Mathematics (King's), 78 Morris St.
- Charles Walmsley, M.A. (Cantab.), Associate Professor of Mathematics, 8 Studley Ave.
- Francis Hilton Page, M.A. (Tor.), Associate Professor of Psychology (King's), 13 Rockcliffe St.
- Ernest Hess, M.A. (Queen's), Ph.D. (McGill), Associate Professor of Bacteriology (Fisheries), Fisheries Experimental Station.
- Arthur Russell Jewitt, B.A. (Dal. et Oxon.), M.A. (Oxon.), Ph.D. (Cornell), Associate Professor of English (King's), 142 Oxford St.
- *Robert E. D. Cattley, M.A. (Cantab.), Associate Professor of Classics.
- Dixie Pellust, M.A. (Tor.), M.A., Ph.D. (Bryn Mawr), Associate Professor of Biology, 123 Oakland Rd.
- W. J. Archibald, B.A., M.A. (Dal.), Ph.D. (Virginia), Associate Professor of Physics, 150 Oxford St.
- Germaine Lafaille, Agrégée de l'Université (Paris), Associate Professor of Modern Languages, Shirreff Hall.

*On leave for the duration.

- Walter J. Chute, B.Sc. (Acad.), M.A., Ph.D. (Tor.), Associate Professor of Chemistry, Dalhousie University.
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- Vernon D. Crawford, B.A. (Mt. A.), M.Sc. (Dal.), Lecturer in Physics, 6 Waterloo St.
- William Henry Bowes, B.E. (N.S.T.C.), Assistant in Engineering, 83 Windsor St.
- H. Jean Macdonald, Student Assistant in Biology.
- Thomas R. Ingraham, B.Sc. (Dal.), Instructor in Chemistry.
- Gerald R. Vavasour, B.Sc. (Dal.)
Boris L. Funt, B.Sc. (Dal.)
Samuel Schrage, B.Sc. (Dal.) } Demonstrators in Chemistry.
- David F. Coldwell, B.A. (Dal.), Student Assistant in English.
- Edith Fleming Park, M.A. (Alta.), Assistant in English.
- Arthur G. Bailey, B.Sc. (Mt. A.)
Elmer J. Cauls, B.Sc. (Dal.) } Demonstrators in Physics.
- Alexander D. MacDonald
Robert D. Hatcher } Student Assistants in Physics.
- Secretary of the Faculty, Professor Bennet.
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*On leave for the duration.

Special Lecturers

- Jotham Wilbert Logan, V.D., M.A. (Dal.), *Lecturer in Classics*, 70 Morris St.
- Harry Dean, A.R.C.O., R.C.M. (Leipzig), *Lecturer in Music and Examiner in Theory of Music*, 31 Larch St.
- Daniel Cobb Harvey, B.A. (Dal.), M.A. (Oxon.), LL.D. (Dal.), F.R.S.C., *Archivist of the Public Archives of Nova Scotia, Lecturer in Canadian History*, York Apts., South St.
- *Donald Cameron Mackay, A.N.S.C.A., *Lecturer in Fine Arts*.
- Johanna Richter, M.A. (Tor.), *Special Lecturer in German*, 15 Waegwoltic Ave.
- George A. McAllister, M.A., LL.B. (U.N.B.), *Lecturer in Public Administration and Research Associate, Institute of Public Affairs*, Dalhousie University.
- Alan E. Cameron, M.Sc. (McGill), D.Sc. (M.I.T.), *Deputy Minister of Mines, Special Lecturer in Geology*, 15 Pryor St.
- M. MacG. Rankin, B.A., B.Com. (Dal.), *Special Lecturer in Accounting*, 88½ Edward St.
- Carl McKinley, *Examiner in Music*, New England Conservatory of Music, Boston, Mass.
- Irene Coffin, *Licenciée es Lettres (Sorbonne), Special Lecturer in Russian and in French*, 202 Jubilee Road.

*On leave for the duration

FACULTY OF LAW, 1944-45

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- J. E. Rutledge, K.C., M.L.A., B.A., LL.B. (Dal.), *Lecturer in Procedure*.
- F. D. Smith, K.C., *Lecturer in Shipping*.
- Hon. John Deull, K.C., B.A., LL.B. (Dal.), *Justice of the Supreme Court of Nova Scotia, Lecturer in Evidence*.
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- R. M. Fielding, K.C., M.L.A., B.A., LL.B. (Dal.), *Lecturer in Crimes*.
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- C. W. Sperry, B.A., LL.B. (Dal.), *Lecturer in Property II*.
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Special Lecturers, 1943-44

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- } *Office Practice.*

FACULTY OF MEDICINE, 1944-45

- Carleton Stanley, B.A. (Tor. et Oson.), M.A. (Oson.), LL.D. (Tor. et Mo.), Litt.D. (Colo.), F.R.S.C., *President of the University.*
- H. K. MacDonald, M.D., C.M. (McGill), F.R.C.S. (C.), *Professor of Surgery and Clinical Surgery, 37 South Park St.*
- Eldrid Gordon Young, B.A., M.Sc. (McGill), Ph.D. (Cantab.), F.R.S.C., *Professor of Biochemistry, 95 Oakland Rd.*
- Ralph Peterson Smith, M.D., Ch.B. (Glas.), D.P.H. (Glas. et Edin.), *Professor of Pathology and Bacteriology, 22 Chestnut St.*
- Kenneth A. MacKenzie, M.D., C.M. (Dal.), F.R.C.P. (C.), *Professor of Medicine and Clinical Medicine, 301 Spring Garden Rd.*
- J. G. MacDougall, M.D., C.M. (McGill), F.R.C.S. (C.), F.A.C.S., *Professor of Surgery and Clinical Surgery, 17 Parkwood Terrace.*
- George H. Murphy, M.D., C.M. (Dal.), F.R.C.S. (C.), F.A.C.S., *Professor of Surgery and Clinical Surgery, 28 Carleton St.*
- H. B. Atiles, M.C., M.D., C.M. (Dal.), F.R.C.S. (Edin. & Can.), *Professor of Obstetrics and Gynaecology and Demonstrator in Practical Obstetrics, 119 South Park St.*
- Raymond Jackson Bean, M.S. (N. H.), *Professor of Histology and Embryology, 28 Chestnut St.*
- Donald Mainland, M.B., Ch.B., D.Sc. (Edin.), F.R.S.E. & C., Dr. D.G.J., *Campbell Memorial Professor of Anatomy, 47 LeMarchant St.*
- Harry Goudge Grant, M.D., C.M. (Dal.), M.R.C.S., M.R.C.P. (Lond.), *Professor of Preventive Medicine, 12 Waagwalle St.*
- M. J. Carney, B.A. (Dal.), M.D., C.M. (McGill), F.R.C.P. (C.), *Professor of Paediatrics and Associate Professor of Clinical Medicine, 115 Oxford St.*
- Frank G. Mack, B.A. (Dal.), M.B. (Tor.), F.R.C.S. (C.), F.A.C.S., *Professor of Urology, 322 Spring Garden Rd.*
- C. Beecher Weld, M.A. (B. C.), M.D. (Tor.), *Professor of Physiology, 75 Cambridge St.*
- A. E. Doull, M.D., C.M. (McGill), F.A.C.S., F.R.C.S. (C.), *Professor of Diseases of the Eye, Ear, Nose and Throat, 34 1/2 Morris St.*
- W. Alan Curry, B.A. (Dal.), M.D., C.M. (McGill), F.R.C.S. (Eng.), *Professor of Surgery and Clinical Surgery, 121 South Park St.*
- Murchie Kilburn McPhail, B.A. (B. C.), Ph.D. (McGill), *Professor of Pharmacology, 111 Tower Rd.*
- Gordon B. Wiswall, M.C.B.A., M.D., C.M. (Dal.), *Professor of Paediatrics, 189 Robie St.*
- James R. Corston, B.A., M.D., C.M. (Dal.), F.R.C.P. (C.), *Associate Professor of Medicine and Clinical Medicine, 46 Coburg Rd.*
- Hugh W. Schwartz, M.D., C.M. (Dal.), F.A.C.S., *Associate Professor of Diseases of the Eye, Ear, Nose and Throat, 183 South Park St.*
- Richard Loraine de Chasteny Holbourne Saunders, M.B., Ch.B., M.D. (Edin.), *Associate Professor of Anatomy, 96 Robie St.*
- *Hugh Dawson, M.Sc., D.Sc. (Lond.), *Associate Professor of Physiology.*
- Robert Orville Jones, B.Sc., M.D., C.M. (Dal.), *Associate Professor of Psychiatry, 212 Robie St.*
- George F. Skinner, M.D., C.M. (McGill), F.R.C.S. (Edin. & Can.), F.A.C.S., *Associate Professor of Surgery, 38 Coburg St., Saint John, N. B.*

*On leave for the duration.

- Norman Skinner, M.D., C.M. (McGill), *Associate Professor of Medicine, 18 Coburg St., Saint John, N. B.*
- George M. White, M.D., C.M. (McGill), L.M.C.C., M.R.C.O.G., F.A.C.S., *Associate Professor of Obstetrics and Gynaecology, 43 Wellington Row, Saint John, N. B.*
- H. Bruce Collier, M.A., Ph.D. (Tor.), *Associate Professor of Biochemistry, 8 Coburg Apts., Robie St.*
- Edgar C. Black, M.A. (B. C.), Ph.D. (Penn.), *Assistant Professor of Physiology, 76 South St.*
- D. J. Tinning, M.D., C.M. (Dal.), *Acting Associate Professor of Medicine, 151 King Street East, Saint John, N. B.*
- *T. M. Sieniewski, M.D., C.M. (Dal.), *Assistant Professor of Medicine and Clinical Medicine.*
- Clyde W. Holland, B.A., M.D., C.M. (Dal.), F.R.C.P. (C.), *Assistant Professor of Medicine and Clinical Medicine, 341 Spring Garden Rd.*
- C. E. Kinley, M.D., C.M. (Dal.), F.A.C.S., *Assistant Professor of Surgery and Clinical Surgery, 371 Spring Garden Rd.*
- *V. O. Mader, M.D., C.M. (McGill), F.R.C.S. (C.), *Assistant Professor of Surgery and Clinical Surgery.*
- N. H. Gosse, M.D., C.M. (Dal.), F.A.C.S., *Assistant Professor of Surgery and Clinical Surgery, 240 Spring Garden Rd.*
- W. O. Colwell, M.D., C.M. (Dal.), *Assistant Professor of Obstetrics and Gynaecology and Demonstrator in Practical Obstetrics, 84 Baysmour St.*
- W. L. Muir, M.D., C.M. (McGill), *Assistant Professor of Surgery in charge of Anesthetics, 240 Jubilee Rd.*
- R. W. M. MacKay, M.D., C.M. (Dal.), F.A.P.A., *Assistant Professor of Psychiatry, Nova Scotia Hospital.*
- J. W. Reid, M.D., C.M. (Dal.), M.R.C.P. (Lond.), *Assistant Professor of Medicine and Clinical Medicine, 11 Coburg Rd.*
- J. V. Graham, M.D., C.M. (Dal.), F.A.C.S., *Assistant Professor of Surgery and Demonstrator in Anatomy, 81 Coburg Rd.*
- J. W. MacIntosh, M.D., C.M. (Dal.), F.A.C.P., *Assistant Professor of Medicine and Clinical Medicine, and Instructor in Psychiatry, 30 Coburg Rd.*
- Hon. F. R. Davis, M.D., C.M. (Dal.), *Assistant Professor in Surgery.*
- A. R. Morton, M.D., C.M. (Dal.), M.P.H. (J.H.U.), *Assistant Professor of Preventive Medicine, 2 Brenton Place.*
- N. Barrie Coward, M.D., C.M. (Dal.), F.A.C.P., *Assistant Professor in Paediatrics, Lecturer in Medicine, 99 Oxford St.*
- H. W. Kirkpatrick, M.D., C.M. (Dal.), *Assistant Professor in Diseases of the Eye, 50 Vernon St.*
- A. E. Doull, Jr., M.D., C.M. (Dal.), *Assistant Professor in Diseases of the Eye, 26 Chestnut St.*
- R. H. Stoddard, M.D., C.M. (Dal.), F.A.C.S., *Assistant Professor in Diseases of the Eye, Ear, Nose and Throat, 319 Barrington St.*
- A. F. Miller, M.D., C.M. (Dal.), F.R.C.P. (C.), *Assistant Professor in Medicine, Nova Scotia Sanatorium, Kentville, N. S.*
- D. J. MacKenzie, M.D., C.M. (Dal.), F.R.C.P. (C.), F.A.P.H.A., *Assistant Professor of Hygiene, 46 South Park St.*
- *H. E. Taylor, M.D., C.M. (Dal.), M.R.C.P. (Edin.), *Assistant in Pathology.*

*On leave for the duration.

- L. E. Woolner, M.D., C.M. (Dal.), *Assistant in Pathology*, 33 Le-Marchant St.
- Elizabeth Smith Bean, B.A. (Cinn.), M.A., Ph.D. (Wis.), *Instructor in Histology and Embryology*, 28 Chestnut St.
- P. A. Macdonald, M.D., C.M. (McGill), *Chief of Clinic and Demonstrator in Practical Obstetrics*, 313 Spring Garden Rd.
- S. R. Johnston, M.D., C.M. (Dal.), *Lecturer in charge Department of Radiology*, 96 Victoria Rd.
- Frank V. Woodbury, M.D., C.M. (Dal.), L.R.C.S., L.R.C.P. (Edin.), L.F.P.S. (Glas.), *Lecturer in Medical Jurisprudence*, 109 South Park St.
- Kenneth M. Grant, B.Sc., M.D., C.M. (Dal.), *Lecturer in Obstetrics and Gynaecology and Demonstrator in Practical Obstetrics*, 197 South Park St.
- *J. Arnold Noble, B.A. (Acad.), M.B., Ch.B., F.R.C.S. (Edin.), *Lecturer in Surgery and Instructor in Clinical Surgery*.
- *Edwin F. Ross, B.Sc., M.D., C.M. (Dal.), F.A.C.S., *Lecturer in Surgery and Instructor in Clinical Surgery*.
- *C. M. Hethune, B.Sc., M.D., C.M. (Dal.), *Lecturer in Surgery and Instructor in Clinical Surgery*.
- H. L. Seammell, M.D., C.M. (Dal.), *Lecturer in Medicine*, 196 Atlantic St.
- A. L. Murphy, B.A., M.D., C.M. (Dal.), F.A.C.S., *Lecturer in Surgery and Instructor in Clinical Surgery*, Corner Inglis and Robie Sts.
- G. S. Kinley, *Lecturer in Materia Medica*, 92 Oxford St.
- *H. D. O'Brien, B.A., M.D., C.M. (Dal.), F.A.C.S., *Instructor in Clinical Surgery*.
- *Gordon A. Winfield, B.Sc., M.D., C.M. (Dal.), *Instructor in Clinical Urology*.
- J. W. Merritt, M.D., C.M. (Dal.), F.R.C.S. (C.), *Instructor in Clinical Surgery*, 175 Oxford St.
- A. M. Marshall, M.D., C.M. (Dal.), F.R.C.S. (Edin.), *Instructor in Clinical Surgery*, 42 Armview Ave.
- G. L. Covert, B.Sc., M.D., C.M. (Dal.), *Instructor in Clinical Surgery*, 210 Spring Garden Rd.
- C. S. Marshall, M.D., C.M. (Dal.), *Instructor in Medicine*, 25 Beach St.
- *H. D. Habb, B.Sc., M.D., C.M. (Dal.), *Demonstrator in Clinical Surgery*.
- Philip Weatherbe, M.B., Ch.B. (Edin.), F.A.C.S., *Demonstrator in Clinical Surgery*, 57 Coburg Rd.
- *J. G. D. Campbell, M.D., C.M. (Dal.), *Demonstrator in Paediatrics*.
- *T. E. Acker, M.D., C.M. (Dal.), *Demonstrator in Clinical Surgery*.
- J. C. Acker, M.D., C.M. (McGill), *Instructor in Clinical Surgery*, 5 Tupper Grove.
- *C. M. Jones, M.D., C.M. (Dal.), F.A.C.S., *Demonstrator in Anatomy*.
- A. E. Murray, B.A., M.D., C.M. (Dal.), *Demonstrator in Paediatrics*, 23 Armview Ave.
- Donald MacKay MacRae, B.Sc., M.D., C.M. (Dal.), *Demonstrator in Diseases of the Eye, Ear, Nose and Throat*, 7 Preston St.
- S. C. Saunders, M.B., Ch.B. (Edin.), *Demonstrator in Anatomy and Assistant in Pharmacology*, 96 Robie St.

*On leave for the Curator.

- Roberta Bond Nichols, B.A., M.D., C.M. (Dal.), *Demonstrator in Anatomy and Anæsthesia*, 248 Tower Rd.
- Margaret Gosse, B.A., M.D., C.M. (McGill), *Demonstrator in Clinical Medicine*, 240 Spring Garden Rd.
- W. J. Dyer, B.Sc., M.D., C.M. (Dal.), *Demonstrator in Clinical Medicine and in Clinical Urology*, 247 Quinpool Road.
- W. K. House, M.D. (Man.), F.R.C.S. (Edin.), *Demonstrator in Clinical Surgery*, 128 Oxford St.
- Florence J. Murray, M.D., C.M. (Dal.), *Instructor in Paediatrics*, 8 Willow Tree Apts.
- Jessie A. Macleod, M.D. (Tor.), *Assistant in Psychiatry*, 123 Young Ave.
- Jean Alexandra Peabody, B.A. (U. N. B.), *Statistical Assistant in Epidemiology*, 30 Fenwick St.

Committee on Studies and Attendance	President Stanley
	Dean Grant
	Professor Bean, Secretary
	Dr. Young
	Dr. Smith
	Dr. Mainland
	Dr. H. K. MacDonald
Dr. K. A. MacKenzie	
Dr. Atiles	
Dr. G. B. Wiswell	

Dean of the Faculty, Dr. H. G. Grant.
Secretary of the Faculty, Professor Bean.

The University is indebted to the medical personnel of the Royal Canadian Navy for clinical instruction given to the students of the fourth year at the Royal Canadian Naval Hospital and also at Camp Hill.

FACULTY OF DENTISTRY, 1944-45

- Carleton Stanley, B.A. (Tor. et Oson.), M.A. (Oson.), LL.D. (Tor. et Mo.), Litt.D. (Colo.), F.R.S.C., *President of the University*.
- S. G. Ritchie, B.A. (U. N. B.), D.M.D. (T. D. C.), *Professor of Dental Anatomy and Comparative Dental Anatomy and Prosthodontics*, 36 South St.
- F. V. Woodbury, M.D., C.M. (Dal.), L.R.C.S., L.R.C.P. (Edin.), L.F.P.S. (Glas.), *Professor of Oral Surgery, Anæsthesia and Physical Diagnosis*, 105 South Park St.
- Wm. W. Woodbury, B.Sc. (Dal.), D.D.S. (P. D. C.), *Professor of Orthodontics*, 215 Spring Garden Rd.
- W. H. H. Beckwith, D.D.S. (U. of P.), *Professor of Operative Dentistry*, 308 Barrington St.
- W. C. Omer, D.D.S. (B. C. D. S.), *Professor of Crown and Bridge Work and Ceramics*, Birks Building.
- J. Stanley Bagwell, D.D.S. (Dal.), F.A.A.R.D., *Professor of Dentistry*, 78 Larch St.
- A. W. Faulkner, D.D.S. (Dal.), F.A.C.D., *Lecturer in Crown and Bridge Work and Ceramics*, 49 Gottingen St.
- K. F. Woodbury, D.D.S. (Dal.), *Lecturer in Materia Medica*, *Demonstrator in Operative Infirmary*, 171 South Park St.

- G. A. Chudleigh, D.D.S. (B. C. D. S.), *Lecturer in Operative Dentistry, General Trust Building.*
- *C. E. H. Climo, D.D.S. (Dal.), *Lecturer in Prosthodontic Dentistry.*
- *H. S. Crosby, D.D.S. (Dal.), *Lecturer in Dental History, Jurisprudence, Ethics and Economics.*
- A. Borden Hazenstock, D.D.S. (Dal.), B.Sc. (Dent.) (Tor.), *Lecturer in Dental Pathology and Therapeutics and Demonstrator in Pre-School Age Clinic, Roy Building.*
- *J. Arnold Noble, B.A. (Acad.), M.B., Ch.B., F.R.C.S. (Edin.), *Lecturer in Surgery.*
- A. M. Marshall, M.D., C.M. (Dal.), F.R.C.S. (Edin.), *Lecturer in Surgery, 42 Armview Ave.*
- *W. G. Dawson, D.D.S. (Dal.), *Demonstrator in Dental Metallurgy.*
- John W. Dobson, D.D.S. (Dal.), *Demonstrator in Operative Infirmary, 301 Harrington St.*
- I. K. Lubetsky, D.D.S. (Dal.), *Demonstrator in the Adult Clinic, 59 Gottingen St.*
- F. R. Duxbury, D.D.S. (Dal.), *Demonstrator in the Adult Clinic, Farquhar Bldg.*
- G. M. Dewis, D.D.S. (Dal.), *Demonstrator in the Adult Clinic and Operative Infirmary, Lecturer in History, 59 Gottingen St.*
- A. A. Dunlop, D.D.S. (Dal.), *Demonstrator in Operative Infirmary, Lecturer in Economics, Farquhar Bldg.*
- *W. H. Jost, B.A., LL.B. (Dal.), *Lecturer in Jurisprudence.*
- *W. C. Dowall, D.D.S. (McGill), *Demonstrator in the Adult Clinic.*
- Alexander Gordon Nutlay, M.D. (Vienna, Rome), D.D.S. (Dal.), *Demonstrator in the Adult Clinic, Roy Building.*
- H. M. Eaton, D.D.S. (Dal.), *Lecturer in Radiology and Demonstrator in Operative Infirmary, Eliza Building.*
- F. W. Bennett, B.A., LL.B. (Dal.), *Lecturer in Jurisprudence, General Trust Building.*
- O. L. Croft, D.D.S. (Tor.), *Lecturer in Essentials and Demonstrator in Adult Clinic, Roy Building.*
- O. Gardner, Technician in Prosthodontic Dentistry, 42 LeMarchant St. *Dean of the Faculty, Dr. Wm. W. Woodbury.*
- Secretary of the Faculty, Dr. Bagnall.*
- Committee on Studies and Attendance } President Stanley, Chairman.
Dean Woodbury
Dr. Bagnall, Secretary.
Dr. Ritchie

Dalhousie University

INTRODUCTION

HISTORICAL SKETCH

Dalhousie University may be said to have begun when the British Government, in 1818, sanctioned the institution of a college at Halifax, Nova Scotia. The original endowment was part of the customs collected at the port of Cansu, in the present State of Maine, while it was occupied by a Halifax expedition during the latter part of the War of 1812. This use for the fund had been proposed by a Lieutenant-Governor of Nova Scotia, George Ramsay, sixth Earl of Dalhousie, who had the satisfaction of laying the corner stone of the building, May 22, 1820. In doing so he made an address, containing these words: "This College of Halifax is founded for the instruction of youth in the higher Classes and in all Philosophical studies; it is founded in imitation of the University of Edinburgh;..... it is founded upon the principles of religious toleration..... From this college every blessing may flow over your country..... May it continue to dispense them to the latest ages! Let no jealousy disturb its peace; let no lukewarm indifference check its growth! Protect it in its first years, and it will abundantly repay your care!"

Despite this fervent appeal and prophecy, the College did not begin to function till 1838. King's College, at Windsor, was already in existence. There was not room for the two institutions and efforts at union were unavailing. King's College admitted only adherents of the Church of England. In 1838, Pieter's Academy joined forces with Dalhousie, its Principal, the famed Dr. McCulloch, becoming President of Dalhousie, and £200 of the 1838 annual grant to Pieter's Academy being transferred with him. Two other teachers joined him in Dalhousie. But, in 1843, Dr. McCulloch died and the college closed its doors, though in the next two decades it showed some discontinuous activity as a school.

In 1843, the Presbyterian Church of the Lower Provinces suppressed its colleges at Truro and Halifax, and undertook the support of two Chairs, and the Church of Scotland in Nova Scotia undertook to support another Chair. Thus supported Dalhousie made a fresh beginning, with six professors. So carefully chosen were these men, and so vitalizing was their effect as teachers, that there was never again a break in the life of the College.

Sixteen years later, George Munro began a series of gifts, chairs and scholarships, on a scale hitherto unheard of in Canada. The result was not only a nucleus of some of the most famous university teachers in Canadian history; these teachers had among their students the cream of maritime schools—students who exerted an influence out of proportion to their numbers. Unfortunately these scholarships were continued for a decade only.

In 1853, the Faculty of Law was established, George Munro endowing the Chair of Constitutional and International Law.

In 1857, the University sold its premises on the Parade to the City of Halifax, and moved to a site on Charlton Street. The building then erected is still in use, the Forrest Building. In 1911, the University acquired new property to the West, a spacious campus, of forty acres; here many of the new buildings have been erected.

In 1906, the Faculty of Science, first organized in 1877, was reorganized. "Pure Science" united with Arts, the whole Faculty becoming that of "Arts and Science." "Applied Science" was replaced by the Faculty of Engineering. This latter discontinued in 1909 when the Nova Scotia Technical College opened.

*On leave for the duration.

In 1911 the former affiliation between Dalhousie University and the Halifax Medical College (established in 1868) came to an end, and the University undertook a full medical curriculum. Through the generosity of the Rockefeller Foundation and the Carnegie Corporation in 1930 new medical buildings were erected close to the provincial and civic hospitals.

In 1912, the Faculty of Dentistry was established.

In 1925, a "long contention" ceased, and one of the happiest events in Dalhousie's history occurred. The University of King's College, the oldest University in Canada, moved from Windsor, Nova Scotia, to Halifax, and affiliated with Dalhousie. (The buildings of King's College are situated on the West Campus.) King's College retains its degree-granting powers in Divinity but not in Arts. The staffs of King's College and of the Arts and Science Faculty of Dalhousie are combined, and constitute a faculty worthy of the name. The libraries of the two institutions are available to the students of both. A distinctive feature of King's College is its "residential" life, which continues its old tradition, and which was originally based on an imitation of Oxford, as Dalhousie was modelled on Edinburgh. *ἡ εὐὴ διαφέρουσα καλλιτέρῃ ἀρμοσίᾳ.*

BENEFACTIONS

Presbyterian Church of the Lower Provinces.	1863.	Per annum about	1850
<i>Support of two Professors. Withdrawn on death of first two incumbents.</i>			
Church of Scotland.	1863.	Part of	1550
<i>Endowment Chair of Mathematics.</i>			
Alexander McLeod.	1862.	\$	65,000
<i>Endowment of Chairs in Classics, Modern Languages and Chemistry.</i>			
Mrs. Harriet Mackenzie Morrison, Stornoway, Scotland.	1867.	£	1,000
<i>Foundation Mackenzie Bursary Fund.</i>			
Sir William Young, Chairman of the Board for over forty years prior to 1887.	1887.	In total over	\$ 68,000
<i>Towards erection of new building on</i>			
<i>Carlton Street..... \$20,000</i>			
<i>Scholarships in Arts..... 4,000</i>			
George Munro.	1879-1889.	About	\$350,000
<i>Endowment of Chairs in Physics, History and Political Economy, English Literature, Law and Metaphysics, Tutorships in Classics and Mathematics. Exhibitions and Bursaries in Arts.</i>			
John P. Mott.	1890.		10,000
<i>"For the benefit of such College, so long as it shall remain and continue to be a non-sectarian institution."</i>			
Rev. Wm. McCulloch, D.D.	1897.		1,600
<i>Endowment and support of "Thomas McCulloch Museum."</i>			
Professor Charles Macdonald.	1902.		2,000
<i>Library Endowment.</i>			
Campaign.	1902.	About	60,000
<i>School of Mines.</i>			

Campaign Fund.	1913.	About \$	400,000
<i>Purchase of Studley. Erection of new buildings. Increase of Endowment.</i>			
Andrew Carnegie.	1912. (Of above Fund)		40,000
<i>Towards the maintenance of the Science Departments.</i>			
New Glasgow Literary and Historical Society.	1912.		1,000
<i>Johns Blanchard Fund for endowment of annual Scholarship.</i>			
Campaign.	1909-1913.		17,500
<i>For Increase of Salaries.</i>			
Dr. D. A. and Mrs. Campbell.	1914.		61,500
<i>Endowment of Dr. D. G. J. Campbell Memorial Chair of Anatomy.</i>			
Joseph Matheson, Lower L'Ardoise, C. B.	1915.		15,000
<i>"To be applied in such manner as to the said Governors shall appear best."</i>			
Lieut. George W. Stairs.	1915.		5,000
<i>"For the good of the University."</i>			
Professor John Johnson.	1915.	Books and	1,030
<i>"For the use of the Arts Library."</i>			
John Macnab.	1916.	About	90,000
<i>"Extending and maintaining the Library."</i>			
Mr. George S. and Mrs. Campbell.	1917.		25,000
<i>Creation of "George H. Campbell Scholarship Fund."</i>			
Dr. A. Ross Hill, President, University of Missouri.	1917.		1,000
<i>Endowment "Agnes Baxter Library" Fund for Mathematics and Mathematical Physics.</i>			
Senator Wm. Dennis.	1919.		2,080
<i>For Eric Dennis Special Lecturers.</i>			
Senator Wm. and Mrs. Dennis.	1918-1920.		100,000
<i>Endowment "Eric Dennis Chair of Government and Political Science."</i>			
	1920.		1,000
<i>"For the purchase of books relating to the subject of Government and Political Science."</i>			
Campaign—Centennial (not including subscriptions for specific purposes).	1920.		439,000
<i>For general purposes.</i>			
Mrs. E. B. Eddy.	1920.		300,000
<i>For the erection of a Residence for Women.</i>			
Hon. William A. Black.	1921.		60,000
<i>Endowment "William A. Black Chair of Commerce."</i>			
Mrs. Elise Stewart Strathie.	1921.		1,500
<i>Foundation "Strathie Memorial Fund," for Philosophy Department of the Library.</i>			
Khaki University of Canada.	1921.		6,500
<i>Endowment "Khaki University and Young Men's Christian Association Memorial Scholarship Fund."</i>			
New Glasgow Relatives of Professor James Gordon MacGregor.	1922.		14,000
<i>Endowment "James Gordon MacGregor Memorial" for Teaching Fellowship in Physics and Equipment Physics Laboratory.</i>			

Dr. A. M. Habb, Dartmouth, N. S. <i>Foundation "Dr. Clara Olding Prize" in Medicine.</i>	1922.	\$ 1,000
Estate of Robert Bruce, Quebec. <i>Bursaries and Scholarships. One-seventh of income from</i>	1922.	57,500
Mrs. Edith J. Richardson. <i>For Shirreff Hall.</i>	1923.	1,000
Halifax Branch of the Overseas League. <i>Essay Prize.</i>	1925.	1,000
Rev. Joseph and Mrs. Hale, Dartmouth, N. S. <i>Foundation "Katherine M. Hallsman Scholarship Fund for the encouragement of the study of Advanced Mathematics."</i>	1925.	1,000
Dr. John Ferguson Black, Stone, England. <i>For Surgical Teaching.</i>	1926.	1,000
Estate of J. T. Shirreff. <i>(On the death of his widow) For "Eddy-Shirreff Foundation" especially for the extension to Shirreff Hall.</i>	1926.	250,000
Colonel R. W. Leonard, St. Catharines, Ont. <i>Endowment "Leonard Science Library of Periodical Literature."</i>	1926.	35,000
Estate of Senator Dennis. <i>Eric Dennis Government and Political Science Library Fund.</i>	1927.	2,000
Children of Rev. George Patterson, D.D. <i>Foundation of "Rev. George Patterson, D.D., Travelling Library."</i>	1928.	4,000
Estate of Mr. Justice T. Sherman Rogers. <i>"For the improvement of the Library in Law."</i>	1928.	1,000
W. J. G. Thomson. <i>For general purposes.</i>	1929.	2,000
British Empire Steel Corporation. <i>For the encouragement of Scientific Research.</i>	1923-1929.	39,000
Dr. Mary S. Ross. <i>For library purposes.</i>	1926-1929.	750
Mrs. J. Rees Smith. <i>Foundation "Rees Stewart Smith Scholarships" in Medicine and Science.</i>	1930.	3,000
Miss Mary Burris, Boston, Mass. <i>Foundation of a Foreign Travelling Scholarship.</i>	1930.	Reversion of her Estate.
Sir James H. Dunn, London, England. <i>For Microscopes for Biology Department. Towards Endowment of the Wilson Memorial Chair of Law.</i>	1910. 1931.	1,000 5,000
C. H. Mitchell. <i>For Departments of Biology and Chemistry, and Students' Loan Fund.</i>	1923-1931.	1,045
Rev. Byron Ulric Hatfield, Westerly, Rhode Island. <i>For Scholarships.</i>	1931.	Residuary legatee of Estate.
Dr. W. H. Hattie. <i>(On the death of Mrs. Hattie.)</i>	1931.	Residuary legatee.
James D. McKenna, Sussex, N. B. <i>Foundation "The Elizabeth McKenna Scholarships."</i>	1929-1932.	5,000

Dr. Deugald Macgillivray.	1932.	Bronze Bust of 9th Earl of Dalhousie, the work of Massey Rhind, A.R.S.A.
Halifax Visiting Dispensary. <i>"For the Public Health Clinic."</i>	1929 and 1932.	\$ 1,000
Junior League of Halifax. <i>For Immunisation Clinics.</i>	1933-1940.	1,500
Estate of A. M. Banks. <i>For general purposes.</i>	1926-1938.	4,500
Estate of Dr. Eliza Ritchie. <i>For University Library.</i>	1933.	500
Massachusetts-Halifax Health Commission. <i>Foundation of "The Commonwealth of Massachusetts Endowment Fund."</i>	1933.	13,589
Miss Grace D. Burris, Upper Musquodobbet, N. S. <i>For Travelling Scholarships.</i>	1933.	Reversion of Estate.
Anonymous. <i>Four Scholarships in Classics and Mathematics.</i>	1933-1938.	5,000
Emergency Committee in Aid of Displaced Foreign Physicians.	1934-1936.	1,563
O. E. Smith Trust.	1938.	20% of the Income from a Trust fund.
Estate of Mrs. Margaret F. Trueman. <i>For expenditure on suggestions of Alumni Association.</i>	1936.	1,000
Estate of Mrs. E. B. Eddy. <i>Establishment "Eddy-Shirreff Foundation," for "improvement and maintenance of Shirreff Hall," "to complete Shirreff Hall," "loans, scholarships, or other method of assisting worthy young women."</i>	1929-1936.	350,000
Anonymous. <i>Hector McInnes Memorial Fund for Scholarships.</i>	1936-1937.	76,777 57,500
Estate of Charles M. Macdonald.	1937.	1,000
Estate of Mrs. A. I. Huddleston.	1937.	2,000
Estate of Walter A. Black. <i>For general purposes.</i>	1938.	5,000
Commercial Club of Halifax. <i>Scholarships.</i>	1922-1938.	3,200
Estate of Dr. J. A. Lippincott. <i>For Department of Physics and the University Library.</i>	1939.	12,202
Anonymous. <i>For Medical and Dental Library Bldg.</i>	1939.	5,000
Hugh Graeme Fraser Memorial Fund. <i>For Prize in Advanced Chemistry. Additional paid in cash for Prizes.</i>	1932-1939.	910 150
A. B. Wiswell. <i>For Medical and Dental Library Bldg.</i>	1938-1939.	1,000
A. H. Buckley. <i>For Medical and Dental Library Bldg.</i>	1939-1940.	500

Estate of Prof. Howard Murray. <i>For improvement of Department of Classics and a scholarship in Classics.</i>	1940.	\$ 12,857
Canadian Council on Nutrition, Ottawa. <i>For nutritional survey.</i>	1940.	2,600
Estate of George S. Campbell. <i>Foundation "George S. Campbell Chair of Biology."</i>	1942.	108,173
Peter R. Jack. <i>For Medical and Dental Library Bldg.</i>	1942.	1,000
Estate of Alexander Ross. <i>For Arts and Law Libraries.</i> <i>For Medical Library.</i>	1942. about	102,000 500
Estate of Miss Sarah M. Lawson. <i>For a prize in Botany.</i>	1942.	8,102
Estate of William Mushkat. <i>For "Mushkat Memorial Essay Prize."</i>	1942.	1,000
Estate of Prof. K. G. T. Webster.	1942.	1,100
Estate of I. C. Stewart. <i>For scholarships.</i>	1943.	5,200
Mrs. C. M. J. MacKay, Schenectady, N. Y. <i>For Department of Chemistry.</i>	1943.	About 500
Miss I. C. McLennan, Montreal. <i>For purchase of books, or student aid.</i>	1944.	500
Estate of Miss Belle C. Crowe. <i>Foundation "Belle Crowe Fellowship Fund," for a Fellowship in Inorganic Chemistry.</i>	1944.	10,000
Estate of Captain David E. North. <i>For library purposes.</i>	1944.	1,000
Hon. Dr. J. C. Tory. <i>For University Library, Students' Loan Fund and Biology Department.</i>	1927-1932.	1,675
<i>For Medical and Dental Library Building.</i>	1938.	80,705
<i>For medical research.</i>	1944.	Residua of Estate.
Estate of Dr. J. Ross Millar. <i>For a bursary in the Faculty of Arts and Science.</i>	1945.	10,000

From this point on the list of donors is in alphabetical order.

Alumnus Association. <i>For Patterson Travelling Library, Furnishings, Shirreff Hall, and stained glass windows in memory of Mrs. Eddy.</i>	1929-1930. 1923-1936, over	\$ 500 6,620
Alumni Association. <i>For erection of Macdonald Memorial Library.</i>	1902-1914.	25,000
<i>For Biology Chair.</i>	1912-1916.	6,100
<i>Towards erection of Gymnasium.</i>	1921-1922.	9,912
<i>For the Gymnasium Fund.</i>	1934.	4,332
Alumnus and Alumni Associations. <i>Subscriptions to the Gymnasium Fund.</i>	1932-1941.	7,295

Anonymous. <i>Bursary in Arts and Science School.</i>	1940 to date.	\$ 1,048
Anonymous. <i>For Anatomy Prizes.</i>	1933 to date.	910
Anonymous. <i>For "Robert Macdellan Scholarship."</i>	1935 to date.	600
Anonymous. <i>For the Department of Surgery.</i>	1941.	7,500
Anonymous. <i>For purposes to be determined by the donor.</i>	1941 to date.	20,000
Anonymous. <i>For research in Geology.</i>	1944.	10,000
Anonymous Gifts. <i>For general purposes.</i>	1943-1944.	48,335
Banting Research Foundation, Toronto. <i>For research in Biochemistry and Pharmacology.</i>	1940 to date.	2,288
Right Honourable Viscount Bennett, P.C. <i>Residence for the President of the University.</i>	1925.	20,000
<i>Books for the Law Library and for Shirreff Hall.</i>	1921-1929.	4,500
<i>Endowment "Harry Shirreff Chair of Chemical Research", "Dona Weldon Chair of Law", "Viscount Bennett Chair of Law", "Mrs. E. B. Eddy Chair of Epidemiology and Nursing Education," and for general purposes.</i>	1942.	790,000
<i>Endowment for Libraries in Law and Shirreff Hall.</i>	1944.	Interest on 12,000
Carnegie Corporation of New York. <i>For damage done by Explosion.</i>	1918.	About 21,000
<i>Development of Medical School.</i>	1920.	500,000
<i>For improvement of clinical facilities, Grace Maternity Hospital.</i>	1922.	50,000
<i>Fine Arts Teaching Collection.</i>	1928.	Valued at 10,000
<i>Endowment.</i>	1929.	400,000
<i>For the joint benefit of King's College and Dalhousie University.</i>	1929.	600,000
<i>For current deficits.</i>	1924-1930.	190,000
<i>For Dental Library.</i>	1928-1930.	2,000
<i>Endowment for Geology.</i>	1933.	125,000
<i>Hale Research.</i>	1934.	1,500
<i>For the University Library.</i>	1932-1934.	9,000
<i>Research in Pathology.</i>	1934-1936.	4,000
<i>Professorship in German.</i>	1934-1936.	8,000
<i>Development of the Medical and Dental Library.</i>	1938.	50,000
The Carswell Co., Limited, Toronto. <i>Law Prizes.</i>	1922 to date.	2,285
City of Halifax. <i>For Public Health Clinic.</i>	1933 to date.	67,250
Cogswell Library Fund. <i>For Medical Library.</i>	1916 to date.	6,915
Dalhousie Club of New York. <i>Scholarship endowment.</i>	1939 to date.	3,206
Dalhousie Loyalty Fund. <i>Pledges to Feb. 28, 1945.</i> <i>Cost received.</i>		60,082 34,953

Senator W. H. Dennis. <i>English Prizes for Prose and Poetry.</i> <i>For Medical and Dental Library Bldg.</i>	1922 to date.	\$ 13,800
	1938.	500
Dominion Government. <i>Special war services.</i>	1944.	42,350
Hon. Mr. Justice John Doull. <i>For the Law School.</i>	1937 to date.	714
Chas. E. Frosst and Company, Montreal. <i>For research in Biochemistry.</i> <i>For a bursary in the Medical School.</i>	1940 to date. 1945.	1,000 250
Gifts obtained through Professors. <i>For Arts, Law, Medical and Dental Libraries.</i>	1935 to date.	2,711
Halifax Welfare Fund. <i>For Public Health Clinic.</i>	1934 to date.	22,020
Mrs. James L. Hall, Vancouver. <i>Scholarship in Engineering.</i>	1938 to date.	525
Hebrew Societies. <i>B'nai B'rith.</i> <i>Cape Breton, Western Nova Scotia, and sections of New Brunswick.</i> <i>For Scholarships.</i>	1935 to date.	2,500
I.O.D.E. Evangeline Chapter, Halifax. <i>For Scholarships.</i>	1939 to date.	600
I.O.D.E. Archibald MacMechan Chapter, Halifax. <i>For Scholarships.</i>	1939 to date.	500
W. K. Kallagy Foundation, Battle Creek, Michigan. <i>For Scholarships and Loans.</i> <i>Faculty of Medicine.</i> <i>Faculty of Dentistry.</i>	1945 to date.	16,500 11,000
Eli Lilly and Company, Indianapolis. <i>For Research in Pharmacology.</i>	1943.	500
Maritime Dental Supply Company, Ltd. <i>For Dental Prizes and the Dental Library.</i>	1927 to date.	775
John and Mary R. Markle Foundation, New York. <i>Research work in Anatomy Department.</i>	1944.	6,000
Dr. A. F. Miller, Kentville, N. S. <i>For Prizes, Faculty of Medicine.</i> <i>For use of Medical School.</i>	1933 to date.	475 400
Dr. Wm. Inglis Morse, Cambridge, Mass. <i>Collection of books, bookcases, busts, maps, mahogany table, 21 mahogany chairs, pictures, sofa, etc.</i> <i>For Endowment of "Morse Collection."</i> <i>For Medical and Dental Library Bldg.</i> <i>For Prizes.</i> <i>For other purposes.</i>	1932-1939. 1935-1937. 1938. 1933-1940. 1932-1941.	10,000 1,000 2,150 5,054
National Research Council, Ottawa. <i>For research in Biochemistry.</i> <i>For research in Pharmacology.</i> <i>For research in Physiology.</i> <i>For research in Chemistry.</i> <i>For research in Zoology.</i>	1940 to date.	7,078 1,351 1,439 5,892 700
Newfoundland Commission of Government. <i>For Medical and Dental Schools.</i>	1943 to date.	15,000

North British Society. <i>North British Society Centennial Bursary.</i> <i>Allen Folsie Scholarship.</i>	1928 to date. 1922 to date.	\$ 5,340 4,000
Nova Scotia Dental Association. <i>For Dental Library.</i> <i>Dental Prizes.</i>	1912 to date.	3,620 1,325
Province of Nova Scotia. <i>For medical and Dental Schools.</i> <i>For Public Health Clinic.</i>	1940 to date. 1933 to date.	80,000 57,500
Lt.-Col. Sidney C. Oland, Halifax. <i>For Scholarships.</i>	1933 to date.	1,200
Rockefeller Foundation, New York. <i>Development of the Medical School.</i> <i>For improvement of clinical facilities</i> <i>Grace Maternity Hospital.</i> <i>For the teaching of Hygiene.</i> <i>For study of Morbidity in Nova Scotia.</i> <i>For study of the impact of the war on the economy of the Maritime Provinces.</i> <i>Department of Epidemiology.</i> <i>For training and research in Public Administration.</i> <i>For development of teaching in Psychiatry (over a six-year period).</i>	1920. 1922. 1928-1929. 1937-1938. 1940. 1933-1941. 1938-1943. 1941-1947.	500,000 50,000 9,197 10,000 7,500 65,000 80,000 34,500
Weldon Memorial Fund <i>Endowment (in addition to Lord Bennett's Contribution)</i>	1928 to date.	15,808

MUNRO DAY

On July 9, 1881, the Governors of Dalhousie University dealt with a petition from the students, asking that each year there be a holiday named "The George Munro Memorial Day" in celebration of the great benefactions of George Munro mentioned above. The petition was granted, and the third Wednesday of January of each year was set aside as "The George Munro Memorial Day." In the course of years the name has been shortened to "Munro Day." In the year 1928 "Munro Day" was celebrated on March 9, and President A. Stanley Mackenzie reviewed the history of Dalhousie's benefactors. The special guest on that occasion was the Right Honourable R. B. Bennett, (now Viscount Bennett), who was referred to as one of our great benefactors himself, and the cause of other notable benefactions. Since that time, the names of all our benefactors have been associated with "Munro Day." In 1928 the Senate decided that in future Munro Day should be celebrated on the second Tuesday in March.

FACULTIES AND AFFILIATIONS

The Faculty of Arts and Science has been so styled since 1906, when the Pure Science part of the Science Faculty, established in 1877, joined Arts. ("Applied Science," then called the Faculty of Engineering, was discontinued in 1909 on the opening of the N. S. Technical College.)

The Faculty of Law was established in 1883. In this year Mr. George Munro endowed the chair of Constitutional and International Law, held by Dean R. C. Weldon for 31 years.

The Faculty of Medicine was established in 1868 and was affiliated for many years with the Halifax Medical College. Since 1911 the University has assumed responsibility for a full curriculum. The medical buildings are on the East Campus in close proximity to the teaching hospitals.

The Faculty of Dentistry was organized in 1908 in affiliation with the Maritime Dental College. In 1912 the Dental College discontinued its work, and instruction in all subjects of the curriculum is now carried on by the Faculty of Dentistry.

The University offers the degree of B.Sc. to candidates fulfilling the requirements of the Maritime College of Pharmacy. The College of Pharmacy does its work in Dalhousie University buildings, and some of the instruction is given by the Dalhousie staff.

Since 1928 Dalhousie University has co-operated with the Fisheries Research Board in a course leading to degrees in Fisheries. These courses are now graduate in character, the instruction involved being given by the staffs of Dalhousie and of the Board.

CONSTITUTION

The Board of Governors is the supreme governing body of the University. Appointments to it are made by the Governor-in-Council on the nomination of the Board. The Board has granted to the Alumni Association the privilege of proposing the names of six members of the Board. An Alumni Representative Governor must resign at the end of three years; he may be appointed to succeed himself; but he cannot hold office for more than six years continuously. On similar conditions, the Alumni Association have the selection of three members of the Board. The Governors have the management of the funds and property of the College, the power of appointing the President, Professors and other officials, and of determining their duties and salaries, and the general oversight of the work of the University.

The Senate consists of the President and Professors. To this body are intrusted, by statute, the internal regulations of the University, subject to the approval of the Governors. All degrees are conferred by the Senate.

The Faculties consist of the members of the teaching staff in each of the four main domains of study in which courses can be pursued at the University, namely, Arts and Sciences, Law, Medicine and Dentistry. To them are intrusted by the Senate, subject to its approval, the supervision of the teaching, the preparation of regulations governing courses of study, and the recommendation of suitable candidates for prizes, scholarships, diplomas and degrees.

DEGREES AND COURSES

The degree of Doctor of Laws may be conferred *honoris causa* in recognition of eminent literary, scientific, professional or public services.

The Senate confers the degrees in course of Bachelor and Master of Arts, Bachelor and Master of Science, Bachelor of Commerce, Bachelor of Music, Bachelor of Science (in Pharmacy), Bachelor of Laws, Doctor of Medicine and Master of Surgery, and Doctor of Dental Surgery. Courses for diplomas in Music, Pharmacy, Education and Engineering are also prescribed.

The various Faculties of the University provide the instruction required in the courses leading to the above degrees and diplomas except in Music, and in Pharmacy.

In Music instruction is provided in the literary and scientific subjects required, and the University recognizes as qualifying for a degree or diploma the instruction in professional subjects given by the Halifax Conservatory of Music or other approved institution.

In Pharmacy the University provides instruction in pure science and recognizes the teaching in professional subjects of the Maritime College of Pharmacy or other approved institution.

Engineering Courses.—A course in Engineering is offered in the Faculty of Arts and Science. This course extends over three years and corresponds to the work prescribed by the Nova Scotia Technical College for admission to the courses for a degree in Civil, Mechanical, Electrical or Mining Engineering. A diploma will be issued to those completing the course satisfactorily.

Affiliated Courses.—By a proper selection of elective subjects in his course, a candidate may reduce by one year the time required for the degree of Bachelor of Arts and a degree in Law. Similarly a candidate for the degree of Bachelor of Arts or Bachelor of Science may reduce by one year the time required for the combined degrees in Arts or Science and Medicine or Dentistry.

A candidate for the degree of Bachelor of Science may shorten by two years the time required for that degree and a degree in Engineering.

There is a B.Sc. course open to medical students who show exceptional ability, which can be taken along with the regular medical course and completed at the end of the third year in Medicine. This course, which is outlined to interest the student in medical research, requires the completion with high standing of the regular pre-medical course, and, in addition, German 1 and 2, and Philosophy 1. In the first three years of Medicine special courses of Laboratory technique must be satisfactorily completed.

PRIVILEGES OF DALHOUSIE STUDENTS IN OTHER INSTITUTIONS

The University of Oxford exempts from Responsions an undergraduate in Arts of this University who has passed in the subjects of the second or a higher year. A Bachelor of Arts with Honours is further exempted from four terms of residence. The Trustees of Rhodes Scholarships exempt from the qualifying examination candidates who are exempt from Responsions by the University of Oxford.

The University of London exempts Bachelors of this University from the Preliminary Examinations leading to the LL.B. degree of that University; and students in Medicine are exempted from the Courses of Study anterior to the First and the Second Examinations for Medical degrees if they have passed equivalent courses at this University.

Graduates in Law of this University who have credit for Matriculation Latin are admitted to the Bar of Nova Scotia without further examination and the Law School is on the registered list of the Regents of the State Bar of New York.

On January 1, 1932, the Societies of Lincoln's Inn, The Middle Temple, The Inner Temple, and Gray's Inn, agreed to admit Dalhousie Law graduates on certain conditions to any one of the four Inns of Court.

Graduates of this University in Medicine and Surgery who hold the License of the Provincial Medical Board may, on application, be placed on the Colonial List of the British Medical Register. The Medical School is rated Class A by the Council on Medical Education and Hospitals of the American Medical Association and is also a member of the Association of American Medical Colleges. Graduates enjoy all the privileges which these affiliations confer.

AFFILIATED INSTITUTIONS

Pine Hill Divinity Hall

Principal.....Rev. A. E. Kerr, M.A., D.D.

The classes and examinations in Hebrew I and New Testament Greek I conducted at this college are recognized as qualifying for the degree in Arts at the University. Arrangements have been made whereby students may reduce to six years the time required to take the degree of B.A. from the University and complete the Divinity course at the Pine Hill Divinity Hall.

Prince of Wales College

Principal.....G. D. Steel, M.A., LL.D.

Students who have completed the regular four-year course at Prince of Wales College, Charlottetown, Prince Edward Island, and who have graduated with standing equivalent to a High Honour Diploma, are admitted to the Arts and Science course without further examination, and may receive credit in classes of the first and second years to a maximum of ten. See also page 24.

Memorial University College

President.....Albert G. Hatcher, M.A., LL.D.

Students who have completed the regular course of Memorial University College, Newfoundland, are admitted to the Arts and Science course without further examination, and may receive credit in classes of the first and second years to a maximum of ten. Candidates for a degree are required to have complete matriculation (see p. 66).

Halifax Conservatory of Music

The University recognizes the teaching of the Conservatory as part of the qualification required for the degree of Bachelor of Music and for the Diploma of Licentiate of Music.

The Maritime College of Pharmacy

Dean.....

The University recognizes the teaching of the Maritime College of Pharmacy as part of the qualification required for the degree of Bachelor of Science (Pharmacy).

Halifax Ladies College

Principal.....Miss Marion B. Dauphinee, B.A., M.A.

Students who have completed the regular course and received the Matriculation Diploma are admitted to the Arts or Science course without further examination.

Convent of the Sacred Heart

Mother Superior.....Reverend Mother Murphy.

Students who have completed the regular course and received the Diploma are admitted to the Arts course without further examination and may receive credit in classes of the first and second years for work done at the Convent.

EQUIPMENT

Libraries

The University possesses a University Library, the Macdonald Memorial Library, open to all registered students, and the separate Law, Medical and Dental Libraries for the students and instructors in those Faculties.

The University Library was instituted in 1867, as the result of an appeal made by the Rev. George M. Grant at Convocation. It contains over 67,923 catalogued volumes, and other books and manuscripts.

The Library of King's College, which is very valuable in several fields, is also accessible to Dalhousie University students.

The Law Library contains about 14,000 volumes, including all the law reports which a student will find it necessary to consult.

The Medical Library may be said to have begun with an endowment of £1,000 from Dr. C. Cogswell. For many years it has received all the leading medical periodicals published in Europe and America. The Library is in charge of a trained medical librarian, and is open to all registered students, and to the practising physicians in the Maritime Provinces. The new Medical and Dental Library building completed in the spring of 1939 stands on the Forest campus. It was built after consultation with several of the most eminent medical librarians in America and in every way is fitted for the purpose it serves.

Besides the libraries in the University, students may use, subject to certain conditions, the following libraries: The Provincial Science Library, housed in the Nova Scotia Technical College (about 90,000 volumes and

pamphlets), the Legislative Library (44,000 volumes), the Library of Pine Hill Divinity Hall (25,000 volumes and, in addition, valuable records), and the Nova Scotia Barristers' Society Library (14,000 volumes).

A building for the Public Archives of Nova Scotia was erected on the University grounds adjacent to the Library in the fall of 1930 through the generosity and public spirit of the late W. H. Chase, Esq., of Wolfville. The collections which are being accumulated in this building, including the notable Akins Library, rich in early Colonial and Canadian History, are of the greatest value to the University for teaching purposes.

THE MUSEUM

The Museum consists chiefly of the *Thomas McCulloch*, the *Patterson* and the *Honeyman* Collections.

The *Thomas McCulloch* Collection was begun by Dr. McCulloch, first President of Dalhousie. The greater part of it was collected by his son, Thomas, who was Professor of Natural Philosophy from 1863 until his death in 1865. His brother, Rev. William McCulloch, D.D., of Truro, bequeathed it to the University along with a sum of \$1,000 to form a fund for its maintenance. It contains a large and valuable collection of birds, especially native species of the Maritime Provinces, besides many mineral, rock and fossil specimens, shells of mollusca, Indian implements, etc. The fossil specimens include a collection of European crinacean fossils and of carboniferous fossils, chiefly Nova Scotian. The collection of birds is supplemented by the valuable collection made by Col. T. J. Egan, of Halifax, containing thirty cases of native birds.

The *Honeyman* Collection consists of the extensive geological collection made by the Rev. David Honeyman, D.C.L., F.S.A., for some years Professor of Geology in Dalhousie College, and was presented by Dr. Honeyman's relatives.

The collections of the Provincial Museum, illustrating the Geology, Mineralogy and Zoology of the Province, may be conveniently used by students.

LABORATORIES

The *Physics and Chemistry* Building houses also the departments of Geology and Engineering.

The *Farrest* Building on Carleton Street contains the laboratories conducted by the departments of Biology, Histology and Embryology, Anatomy and Dentistry.

The *Medical Sciences* Building on College Street contains the laboratories of the departments of Physiology, Biochemistry, Pharmacology and the Maritime College of Pharmacy.

The *Pathological Institute* of the Provincial Department of Health houses the departments of Pathology, Bacteriology and Immunology.

GENERAL UNIVERSITY REGULATIONS†

Registration

All students of the University are required to enter their names in the Register annually, agreeing to obey all the regulations of the University already made or to be made, and to pay the required fees and deposits before entering any class or taking any examination. Students withdrawing from the University or intending to discontinue the work of any class must notify the Registrar.

Students' Health Service

1. All students of the University are required to receive an annual medical examination at the beginning of the session. Women students will be examined at Shirreff Hall; men students at the Public Health Clinic. Lists indicating appointments will be posted early in the session. Failure to keep appointments promptly will be regarded as a breach of University discipline.

2. This service provides for the following:

- A medical examination at the beginning of the session, with subsequent fluoroscopic examination of chest;
- Medical service for minor ailments at the Public Health Clinic, from twelve noon to one p.m. daily;
- Such medicines (except antitoxic sera, insulin, and other unusual preparations) and dressings as may be prescribed;
- Testing for susceptibility to diphtheria and scarlet fever, and immunization against either one of these diseases where required.

3. The service does not provide for the following:

- Surgical operations;
- Specialist's treatment;
- Special nursing;
- Dental treatments;
- Illnesses attributable to misconduct;
- Physician's fee for attendance elsewhere than at the Public Health Clinic;

†It is to be distinctly understood that the regulations regarding courses of study, examinations, fees, etc., contained in this Calendar are intended for the current year only and that the University does not hold itself bound to adhere absolutely to the curriculum and conditions laid down.

(g) Hospitalization;

(h) Any other service not specified in Section 2 hereof.

4. Arrangements for consultations during the session are to be made through the Office of the Medical Director, Students' Health Service, Public Health Clinic (Telephone 3-8438).

5. All students are expected to carry out the instructions of the physician to the fullest extent possible. Failure to do so will be regarded as a breach of University discipline.

6. All students entering the University who cannot submit certificates of having been successfully vaccinated shall be required to submit to vaccination.

Physical Training

All students in their first year of attendance at the University are required to follow a prescribed course of Physical Training, unless they are exempted by a medical certificate or by satisfactory evidence that they have already completed a similar course of training at an approved institution.

Each new student on registration must report to the Director of the Gymnasium.

Tutors

For students whose proficiency in languages is not satisfactory, the department concerned will recommend accredited tutors.

Residence

All students are required to report their place of residence to the University Office on or before October 12. Subsequent changes in place of residence must be reported promptly.

Shirreff Hall, the Women's Building of the University, the gift of the late Mrs. Eddy, will accommodate about one hundred students. All women students not living with parents or close relatives must live in residence. In very exceptional circumstances, permission may be granted to a woman student to reside outside. Written application for exemption from this rule of residence may be made through the President's Office.

The dormitories of Pine Hill Divinity Hall are available for students of Dalhousie University to the extent of the accommodation not needed by Pine Hill. For information and reservations application should be made to the Matron.

Lists of approved boarding houses near the University are compiled in September and may be obtained by calling at the office of the Business Manager. Lists cannot be supplied by mail.

Church Attendance

All students not residing with parents or guardians are invited to report to the University Office on or before October 19 the churches which they intend to make their place of worship during the session. Intimation will be made to the various clergymen of the city of the names and addresses of the students who have chosen their respective places of worship.

Discipline

The Senate may use all means deemed necessary for maintaining discipline. Every professor or officer of the University is required to report cases of improper conduct that may come under his notice. Students conducting themselves in an unbecoming manner on or beyond the premises of the University during the session, may be fined, suspended, or expelled from the University. Since the formation of the Council of the Students in 1912, that body holds an investigation and reports its finding to the Senate for action and may recommend penalties to be inflicted.

Irregularity of attendance, except for approved reasons, or neglect of or unsatisfactory progress in studies shall be regarded as sufficient cause for dismissal from one or more classes, or, in extreme cases, from the University. Any Faculty may, at its discretion, ask the Senate to dismiss from classes for the remainder of the session students whose progress in studies is unsatisfactory.

Students are expected to be in attendance on the first day of term, and to remain in attendance until the last day of term, as set forth in the calendar. Willful infraction of this rule is subject to the penalty of a fine to be determined by the nature and duration of absence.

No return of fees will be made to any student dismissed from classes or from the University.

Non-Academic Student Activities

Students representing the College in non-academic activities must be in good standing. Those who are ineligible for such representation are as follows:

(a) Students on probation in any Faculty. (b) Students registered for fewer than nine lectures per week, a period of two laboratory hours being regarded for this purpose as equivalent to one lecture. (c) Students who have failed to pass in at least half their classes in the last sessional or mid-sessional examinations. (d) Special students during their first term of attendance.

University Library

The Library is open during the session on every week-day except Saturday, from 9 a.m. till 5.30 p.m. and on Saturday till 12 m. and during the greater part of the session from 7.30 to 10.00 every evening except Saturday and Sunday.

Books other than those on the reserved lists may be taken out by instructors or students and kept for two weeks. They must then be returned to the library.

Books on the reserved lists may be taken out at 4 p.m. on any day, and must be returned before 10 a.m. the following morning.

Not more than two books may be borrowed at one time by a student not in an Honour or Graduate course, not more than four by a student taking Honours or Graduate work.

Students are allowed the privilege of borrowing books from the library for the summer. Students using this privilege are required to make a deposit with the University Office. This deposit is returned when the books are replaced in the library.

Loan Funds

A Students' Loan Fund was started by the gift of \$1,000 for the purpose from the Chronicle Publishing Co., Limited, of Halifax, in June, 1912, and has since been increased by other gifts and interest to about \$6,500.

An application for a loan should be made to "The Committee, Students' Loan Fund," and will be considered only from a student of Undergraduate standing in the Faculty of Arts and Science who has attended the University for at least one year, has the approval of the Dean as to general academic standing, and is of good standing among his fellow students. The loan to any student shall not exceed \$100 in any one year, nor \$300 in total amount. A loan shall bear interest from the date of the student's graduation, or in case the student does not continue his course, from the date of his last attendance. A loan is repayable within one year from the time it begins to bear interest.

The Alumnae Association Loan Fund is available to women students who have attended the University for two years. A final year student may be granted a maximum of \$200, provided that a previous loan has not exceeded \$100. A total of all sums advanced to any student shall not exceed \$300. The terms of loan are subject to change. Applications should be sent in as early as possible. Apply to Mrs. F. H. Pond, 18 Oakland Road, Halifax.

A Loan Fund, available for students of Dalhousie University of Irish descent, has been created by the Charitable Irish Society of Halifax. For further information apply to the President.

*Employment Bureau

The University Employment Bureau will endeavour to find employment during vacations or permanently for students who register with the Bureau.

The qualifications for recommendation to employers are:

1. Sound academic standard.
2. Good character.
3. Statement from the professor or professors concerned.

The Bureau invites communications from both students and employers.

Caution Deposit

Each student on registration is required to deposit two dollars as caution money to cover damage done to furniture, apparatus, etc. This amount, less any deductions, will be returned at the close of the session. There shall be no deduction from the Caution Fund for damages which have been charged to or assumed by individuals.

Laboratory Deposits

A student taking a class involving laboratory work is required to make a deposit of ten dollars per class, with a maximum of twenty dollars, on registration. This amount, or what remains of it after deducting any charges which may have been incurred for breakage or materials used, is returned to the student at the end of the session.

Unclaimed Deposits

Balances of Caution and Laboratory Deposits left unclaimed three years will be applied to the purchase of books for the University Library.

*Discontinued for the duration.

Articles Lost and Found

Students are required to report promptly at the University Office the loss or finding of any article in or about the University buildings or grounds.

The University will not accept any responsibility whatever for books, clothing, etc., lost or removed from University premises.

Fee for Support of Student Organizations

At the request of the student body, as expressed by a ballot taken on the question and presented through the Council of the Students, a fee of \$10.00 is collected on registration from each student who takes more than two classes. This fee entitles the student to the privileges of any or all of the following student organizations: Dalhousie Amateur Athletic Club, Dalhousie Girls' Athletic Club, Delta Gamma Society (girls), Dalhousie Glee and Dramatic Club, Sodales Society, Dalhousie Band, and to a copy of the Dalhousie Gazette. This fee also entitles the student to participate in the general student activities sponsored directly by the Council of the Students.

A student taking fewer than three classes and desiring to take part in one or more of the above organizations must pay this fee.

Candidates for the degree of Master of Arts or Master of Science whose course will extend over more than one session are required to pay the regular Students' Council fee, during their second session, as for the first, if they wish to participate in the privileges outlined above.

Academic Costume

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

Graduates of the University shall be entitled to wear gowns and hoods of black stuff. The distinctive part of the costume is the lining of the hood, which for the various degrees is as follows:

- B.A.—White silk bordered with white fur.
- M.A.—Crimson silk.
- B.Sc.—White silk bordered with scarlet silk.
- M.Sc.—Scarlet silk.
- B.Com.—White silk bordered with light blue silk.
- B.Mus.—White silk bordered with lavender silk.
- L.L.B.—White silk bordered with gold coloured silk.
- M.D., C.M.—Scarlet silk bordered with white silk.
- D.D.S.—Scarlet silk bordered with gold coloured silk.
- L.L.D.—Purple silk.

Doctors of Laws shall be entitled to wear gowns and hoods of black silk.

Conferring of Degrees

Successful candidates for degrees are required to appear at Convocation in the proper academic costume to have the degrees conferred upon them.

By special permission of the Senate degrees may be conferred, in exceptional cases, *in absentia*. Written application giving reasons for the request must be made well in advance to the Secretary of Senate. The additional fee for such degrees conferred at Convocation is \$10.00. (See p. 75).

ADMISSION TO VARIOUS FACULTIES

The attention of students entering the Faculty of Arts and Science for the first time, whether in the First or Second year, is called to the fact that registration for such students takes place on September 28 and 27 and that special lectures for them begin on September 28.

No person under sixteen years of age is admitted to any class except by special permission of the Senate.

Graduate Students are students who hold a Bachelor's degree in Arts or Science and are pursuing a course towards a Master's degree.

Undergraduates are students who have completed Matriculation* and are candidates for a Bachelor's degree in Arts or Science, or for a degree in a professional course.

For details of admission to the professional courses, see pages 22-25.

Special Students are those not included in one of the preceding groups. The classes attended by a Special Student are not recognized as qualifying for a degree.

Persons of good moral character may be admitted to certain classes as Special Students without formal examination, provided they are deemed qualified by the Committee on Admission to profit by the work of the class or classes selected.

Matriculation

To enter the University as an Undergraduate a candidate must have received credit for **seven*** Matriculation subjects. This may be accomplished either by passing the regular Dalhousie

*In exceptional cases students, who for special reasons are deficient in one subject of matriculation but have shown sufficient ability in other subjects, may, at the discretion of the Committee on Admission, be admitted provisionally to a course leading to a degree. Such students must complete matriculation before starting upon a second year of attendance.

Matriculation examination or by presenting equivalent certificates.

The seven subjects required for full University Matriculation are as follows:

For B.A.:

(1) English; (2) Greek or Latin; (3) Algebra; (4) Geometry; (5) French or German, or a language not offered in (2); (6 and 7) Any two of: History, Physics, Chemistry, Biology, †Music, Trigonometry, or another foreign language.

For B.Sc.:

(1) English; (2) French or German; (3) Algebra; (4) Geometry; (5) Greek or Latin, or a language not offered in (2); (6) Physics, or Chemistry, or Botany; (7) A subject, not already offered which may be either History, Physics, Chemistry, Biology, †Music, Trigonometry, or another foreign language.

For B.Com.:

As for B.Sc.

For B.Mus.:

(1) English; (2) French; (3) German; (4) Algebra; (5) Geometry; (6) †Music; (7) One other subject.

For information regarding the Course in Music see page 52.

For LL.B.:

Complete Matriculation (including Latin); and the completion of ten classes of the Arts course.

For further information, see pages 109.

For M.D., C.M.:

Complete matriculation in Arts or Science, including Latin, and the completion of the following ten University classes: English 1, History 20, Mathematics 1, Chemistry 1, 2, and 4, Physics 1, Biology 1 and Zoology 2, and an elective. German 3 is recommended.

For further information, see pages 122.

For D.D.S.:

As for M.D., C.M., see pages 122.

For B.Sc. (Pharmacy):

As for B.A. or B.Sc., but including Latin.

See page 25.

Diploma Courses

Matriculation requirements for the Diploma Courses are as follows:

Diploma in Engineering:

(1) English; (2) A foreign language; (3) Algebra; (4) Geometry; (5) Physics or Chemistry; (6 and 7) Two other Matriculation subjects, e.g., History and Chemistry or Physics or a second foreign language.

For information regarding the course in Engineering, see pages 56 and 57, and time table inside back cover.

Diploma of Licentiate of Music:

(1) English; (2) †Music; (3) French or German; (4) One other subject. See page 25.

Diploma in Pharmacy:

Complete matriculation in Arts or Science, including Latin. See page 54.

Diploma in Education:

Candidates for admission to a course leading to a University Diploma in Education must have received the B.A. or B.Sc. degree from a college or university recognized by the Senate. Students holding a degree from a university not recognized by the Senate may take a course and, if successful, qualify for the diploma issued by the Nova Scotia Department of Education.

Subjects of Matriculation

The Matriculation examinations will be held at the University from September 22 to 26, 1945. For the time table of the examinations, see pages vi. Papers of three hours each will be offered on request in the following subject*:

English	Trigonometry	Spanish
History (British, Ancient or Modern)	Greek	Physics
Algebra	Latin	Chemistry
Geometry	French	Botany
	German	†Music

Note: Students who, by reason of race or training, are fluent in another foreign language may offer it in place of one of those specified above.

Students who intend to write any of these examinations must apply to the University Office before September 20, 1945.

*See page 25.

*Students from outside the Maritime Provinces who wish to offer subjects other than those listed above should communicate with the Office of the Registrar.

Application for examination at an outside centre should be made one month earlier, and permission will be granted only in exceptional circumstances. (See p. 75).

Requirements in Various Subjects

Candidates are expected to be prepared in the following requirements:

English.—Language: Grammar, analysis, parsing. Composition: Essays will be set on a variety of subjects, in which a wide choice will be offered. Other tests of composition, such as letters, paraphrases, and summaries, may be included in the paper. There are no prescribed texts, and candidates must understand that they will be judged chiefly on their ability to express themselves.

British History.—General outlines, as in *Ontario High School History of England*; or, Tout: *History of England, from the earliest times to the death of Queen Victoria*; or, Ransome: *Short History of England*.

Ancient History.—General outlines, as in Webster: *Ancient History*; or, Myers: *A Short History of Ancient Times*.

Modern History.—Seary and Patterson: *The Story of Civilization* (as taught in Grade XI in the Schools of Nova Scotia).

Algebra.—Equations of the first and second degrees, indices, ratio and proportion, theory of quadratic equations, factor theorem, surds, progressions, permutations and combinations, as discussed in any high school algebra.

Geometry.—The straight line, triangles, quadrilaterals and pentagons in their relation to circles, the subject matter of the first four books of Euclid, as discussed in any high school geometry.

Trigonometry.—Up to and including formulae relating to the sum and difference of two angles, the solution of equations and of right-angled triangles, as in any elementary trigonometry.

Greek.—As under Latin.

The book prescribed is Xenophon: *Anabasis*, Book I (Ch. 1-8).

Latin.—The paper will contain, (1) passages for translation from prescribed books with questions arising out of those books; (2) easy passages for translation from books not prescribed; (3) questions on grammar, accidence and elementary syntax; (4) translation of easy sentences from English into Latin.

The book prescribed is: Wedeck: *Third Year Latin*: pp. 1-24 (Cicero: *First Oration against Catiline*); pp. 213-238 (Selections from Ovid); pp. 135-196 (Miscellaneous).

Equivalent work will be accepted for Matriculation though not for Scholarships.

French.—As for Grade XI Provincial Examinations in Nova Scotia. Texts at present prescribed are: M. Doudo: *Modern French Course*, Lessons 31 to 50. Forrest: *French Poetry*, Selections 36 to 70. Manley: *Eight French Stories* (omitting the eighth story). La Bette: *Mon oncle et mon curé*. Equivalent work will be accepted.

Candidates will be expected to show a knowledge of the fundamentals of French grammar including the full conjugation of regular verbs and of

the principal irregular verbs and of the use of the principal parts of speech. Ability to translate simple texts from French into English will be required.

German.—B. J. Vos: *Essentials of German*, Lessons 14-26. Bagster-Collins: *First German Reader, stories ("Lesestücke")* Nos. 5, 8, 10 and 12. Thoma: *Lehrbuchgeschichten* (Heath). Equivalent work will be accepted.

Spanish.—Hills and Ford: *First Spanish Course* (Heath) to the end of Lesson XXXVII. Haan and Morrison: *Castilian Moderns* (Heath). Equivalent work will be accepted.

Chemistry.—The extent of knowledge expected is such as may be gained from standard Grade XI High School text.

Physics.—The examination is intended to be of Grade XI standard. It will be set from such a text book as *The Ontario High School Physics and Laboratory Manual*.

Biology.—General outline as in L. L. Woodruff: *Fundamentals of Biology* or the equivalent.

Music.—The standard in Music is that of a Senior Grade Certificate (Theoretical and Practical) from institutions named as Class "A" by the Department of Education of the Province of Nova Scotia, or from a recognized examining body conducting local centre examinations in Canada accepted by that Department.

Certificates Exempting from Examination

Satisfactory marks in any of the subjects listed above will be accepted as credit toward the entrance requirements if such marks are granted by any of the following examining bodies:

- Certificates of the Common Examining Board of the Maritime Provinces and Newfoundland.
- High School Provincial or "Accredited" School Certificates of Grades XI or XII of Nova Scotia, issued by the Department of Education of the Province of Nova Scotia.
- Equivalent Certificates issued by Education Departments of other Provinces.
- Second Year Certificates issued by Prince of Wales College, Charlottetown, Prince Edward Island.
- Certificates of Matriculation Examinations taken at recognized Universities.
- Certificates similar to the above issued by University or other official examining bodies, when found adequate.

ADMISSION WITH ADVANCED STANDING

On Grade XII Certificates

Provided that a student has completed matriculation on Grade XI work or the equivalent, a mark of 50 per cent. or more in certain subjects of Grade XII examinations or the equivalent will give exemption from not more than five of the following University classes:

**Greek I, Latin I, French I, German I, English I,
History I, Mathematics I.**

The certificates to which these provisions apply are the following:

- (a) High School or Accredited School Certificate of Grade XII of Nova Scotia issued by the Department of Education;
- (b) Third Year Certificate as issued by Prince of Wales College, Prince Edward Island;
- (c) Certificate of the first year of Memorial University College, Newfoundland;
- (d) Equivalent Senior Matriculation Certificates issued by Departments of Education of other Provinces, or approved by the Committee on Admission.

Students having credit for at least four of these classes will be given an opportunity to complete a course for a degree in three years. A candidate from Nova Scotia will be allowed supplemental examinations in the subjects required to complete five classes provided that the certificate shows a mark of at least 30 per cent in such subjects and that the candidate has credit for the corresponding matriculation subjects. **No degree credit will be given for certificates obtained after a student has been registered in the University.**

Admission ad Eundem Statum

Students from other Universities desiring to enter classes in this University may, on producing satisfactory certificates, be admitted with advanced standing and given credit for classes equivalent to those offered by Dalhousie University. Before proceeding to a degree they must have completed all required classes. No student shall be admitted to a degree in course in this University unless he has attended and passed in at least one year's work** in the Faculty in question, and that the last year of the degree course.

Persons seeking admission *ad eundem statum*, in making application, must submit certificates of good character and standing, with duly certified statements of their Matriculation, and of the classes attended and passed, with the grades attained; and, if necessary, calendars of the institution from which they have come of such dates as to show the courses which they have followed.

Admission ad Eundem Gradum

A graduate of a University approved by the Senate, who has received his degree in course, may be admitted *ad eundem gradum* in this University on producing satisfactory evidence of good character and academic standing, and on payment of the required fee, provided that the applicant is pursuing a course of study or research in this University, or is associated with the academic work of the University.

*The standard required is 50 per cent. in each subject.

**In the Faculty of Arts and Science "one year's work" is interpreted to mean at least five classes of college grade.

Faculty of Arts and Science

The Academic Year begins September 26, 1945, and ends May 14, 1946.

For General University Regulations

(V. p. 00, et seq.)

GENERAL FACULTY REGULATIONS

Admission to Classes

1. Candidates for a degree must pass the Matriculation examinations (p. 00 et seq.). Only those classes which a student attends as an Undergraduate are recognized as qualifying for a degree in Arts or Science.

2. A student deficient in one of the required foreign languages, whose preparation in this language has not covered any considerable part of the work prescribed for Matriculation, may be refused admission to more than three undergraduate classes.

3. No Undergraduate shall be admitted to a class until he has satisfied the preliminary qualifications (see p. 00 et seq.).

4. The list of classes which a student may take shall include all required classes, before any elective is added, but candidates for admission to Honour courses may have this rule modified on application to the Committee on Honour and Graduate Studies.

5. Five classes shall be regarded as constituting a normal year's work for a student in good standing. Students seeking admission to six classes must make written application to the Committee on Studies, furnishing reasons in support of their application. No student who has failed in any class of his course in the preceding year of his attendance shall be admitted to more than five classes without special permission.

6. Any student, who at the Christmas examinations has not shown reasonable proficiency, may, at the discretion of the Faculty, be required to discontinue attendance at the University for the remainder of the session. Fees will not be reimbursed to such students.

Class Work and Attendance

In order that their class work may be recognized as qualifying for a degree or diploma, candidates must conform to the following requirements:

1. All students are required to attend the classes of their prescribed courses regularly and punctually.

2. They must appear at all examinations, prepare such essays, exercises, reports, etc., as may be prescribed and, in case of a class involving field or laboratory work, complete such work satisfactorily.

3. They must secure positions on the Pass List. In determining this list both the standing attained in prescribed class exercises and in field or laboratory work and that in the various examinations are taken into consideration. A candidate who fails to obtain a mark of at least 20 per cent. on the work of the session in any class shall lose credit for attendance in such class.

4. When the work of a student becomes unsatisfactory or his attendance irregular he will be reported to the Committee on Studies who may require him to discontinue attendance in the class or classes concerned and to be excluded from the examinations.

5. A candidate taking classes in another Faculty as part of an affiliated course must conform to the regulations of that Faculty and must secure a position on the Pass List in accordance with such regulations.

Examinations

Sessional and Class Examinations

For the purpose of examination the session is divided into two terms, the separation occurring at the Christmas vacation.

In all classes other than purely laboratory classes, two examinations, at least, are held, the Christmas examinations at the end of the first term, immediately before the Christmas vacation, and the Spring examinations, after the close of lectures in the Spring. Other examinations in any class may be held at dates appointed by the instructor. The papers set at the Spring examination in any subject cover the work of the whole session in that subject, and not merely the work of the second term, and at least 25 per cent. of the questions shall be set on the work covered before Christmas.

Ordinary and Distinction Class Lists

The names of candidates successful in the ordinary examinations are arranged in the published lists in order of merit in each class. The requirements for Distinction in any class shall be determined by the department concerned, it being understood that Distinction entails independent work of high quality. To

be eligible for Distinction in any class students must obtain a grade of at least sixty per cent. in the ordinary work of the class and also in the additional work for Distinction. The Distinction list for a class shall be published in order of merit, without division into grades. (See also p. 40).

Supplemental and Special Examinations

A student who fails to secure a position on the Pass List in a class, but who has passed in at least half of his classes and has otherwise fulfilled the requirements in class work stated on page 28, may be allowed the Supplemental examination in that class at the beginning of the next session of his attendance, on the day appointed in the University Almanac. A student who fails to write or to pass the Supplemental examination can obtain credit for this class only by passing a Special* examination.

Supplemental or Special examinations in any class shall cover the whole work of the session in that class, and not merely the work of the first or second term.

Supplemental and Special examinations for registered students are held in September only.

No award of Class Distinction is made on the results of a Supplemental or Special examination.

A student wishing to appear as a candidate at a Supplemental or Special examination shall be required to give notice of his intention to the Secretary of the Committee on Studies and Attendance on or before August 20, the fee (see p. 75) to be remitted with the notice.

Degrees and Courses

Courses are prescribed leading to the degrees of Bachelor of Arts (B.A.), Master of Arts (M.A.), Bachelor of Science (B.Sc.), Master of Science (M.Sc.), Bachelor of Commerce (B.Com.), and Bachelor of Music (B.Mus.), and to the Diploma of Licentiate of Music (L.Mus.).

A course in Engineering, extending over three years, is prescribed for students who look forward to completing a course in Civil, Mechanical, Electrical or Mining Engineering at the Nova Scotia Technical College, or other technical institution. A diploma is given for successful completion of this course. The

*Students who have failed to pass in any class should carefully note that any examination taken subsequent to the Supplemental examinations held in September of the next session of their attendance is a Special examination. The standard required to pass a Special examination is considerably higher than that required for other examinations.

University provides courses required for the diplomas in Education, in Mining Geology, and for the diploma in Pharmacy issued by the Maritime College of Pharmacy. (See p. 54).

The courses for the degrees of Bachelor of Arts and of Science extend over four years. Candidates for these degrees may either follow the corresponding Ordinary course, or, if they have obtained a sufficiently high standing in the work of the first two years, may in their third year enter upon a course leading to the degree of Bachelor of Arts or of Science with Honours. (See pp. 41-48).

The course of study for the degree of Bachelor of Science and for a diploma in Mining Geology extends over four years from Grade XII. (See pp. 38-39 and 55).

The degree of Master of Arts or of Science is given for the successful completion of an approved course of graduate work extending over at least one year. (See pp. 57-58).

The course of study for the degree of Bachelor of Commerce extends over four years. (See pp. 39-40).

The course of study for the diploma of Licentiate of Music extends over two years, and that for the degree of Bachelor of Music over four years. (See pp. 52-53).

Ordinary Course for Bachelor of Arts

The Ordinary course of study prescribed for the degree of Bachelor of Arts consists of the following twenty classes:

- (i) Two classes in either Greek or Latin.
- (ii) One class in one, not already chosen, of the following languages: Greek, Latin, French, German, Spanish, Hebrew, Russian.
- (iii) Two classes in English.
- (iv) History 1, Mathematics 1.
- (v) One class in Physics, Chemistry, Geology, or Biology.
- (vi) Any two classes from: the second class of the language chosen in (ii) above, History 2, Economics 1, Political Science 1, Philosophy 1, Mathematics 2, a Science Class.
- (vii) Ten other classes* selected, so that seven classes which require a University class as prerequisite are included in not more than three of the following departments, and not more than seven such classes are included in any one department:

Biology (including Botany, Zoology, Histology, Embryology, and Physiology);
 Chemistry (including Biochemistry);
 Classics (including Greek and Latin);
 Economics (including Sociology);
 English Language and Literature;
 Geology;
 History;
 Mathematics;

*The Faculty strongly recommends that Philosophy 1 be included in these ten classes.

Modern Languages (including French, German and Spanish);
 Music;
 Philosophy (including Psychology);
 Physics;
 Political Science;
 Divinity (including Church History, Hebrew, and New Testament Greek);
 Law, Medicine, and Dentistry: See affiliated courses.

For details of classes in the above departments, see Classes of Instruction, page 76, et seq.

An advanced or Honour class may be taken as an elective by students who are not in an Honour course, if approved by the Faculty.

Lists of the elective classes chosen by students must be submitted for approval not later than Wednesday, October 10, 1945.

All students contemplating entry to the teaching profession after graduation, are requested to consult the Professor of Education, concerning their programme of study, before registration.

Order of Classes

The following schedule in which the classes are arranged in years shows the order recommended for undergraduates; but students who intend to take one of the Affiliated Courses or to enter an Honour Course, or wish to be eligible for first or second year Scholarships, should consult the Registrar early in their course about the right order of classes for the purpose.

First Year

1. Greek I or Latin I.
2. English I.
3. Mathematics I.
4. 5. Any two of: Another language, History I, Physics I or 2, Chemistry I, Geology I, Biology I.

Second Year

A normal second year consists of five classes* such that at the end of the year a student shall have completed not fewer than ten and not more than twelve of the classes required for the B.A. or B.Sc. degree; provided at the same time that at least nine of the required imperative classes be completed.

Note—In those cases where a student is taking more than five classes, scholarship award shall be based on the standing reached in the best five classes, which must include any imperative subjects.

Third and Fourth Years

The remaining ten elective classes from the subjects specified on pp. 31-32.

AFFILIATED COURSES

An Undergraduate looking forward to the study of Divinity, Law, Commerce or Medicine, may offer one of the following groups in place of three of the ten electives required above:

A. Divinity.—The classes in New Testament Greek and Hebrew conducted in Pine Hill Divinity Hall can be offered for the three electives referred to above by students intending to study Divinity there.

The class in New Testament Greek and two of the following three classes, Hebrew, Biblical Literature and Ecclesiastical History, conducted by the Divinity Faculty of King's College, can be offered for the three electives referred to above by students intending to study Divinity there.

B. Law.—Any four classes of the first year in Law.

C. Commerce.—Four classes from the Department of Commerce. Graduates who have passed in the classes of Group C may complete a subsequent Commerce course in this University in two years.

D. Medicine and Dentistry.—An Undergraduate in Medicine or Dentistry may offer the classes of first year, instead of four of the electives required from Group (vi) on pp. 31-32.

*Students looking forward to securing a teacher's license should select Philosophy.

SUGGESTED "ORDINARY" COURSES

A student's richest experience will be gained if he explores the history of human endeavour and discovery, in an orderly, progressive way. It should be remembered that some subjects are fundamental to others. Mathematics, for example, is the key to science, and to much else. Our western civilization is based on the civilization of the ancient Mediterranean world. Again, a university student in Arts has missed his opportunities if, at the end, he has not mastered at least one other language and much of another literature besides his own.

The Faculty of Arts and Science suggests the following paths to a degree in the "ordinary" courses. The list is not rigid or exhaustive: for example, English and Modern Languages, Classics and History, History and Political Science are other desirable groupings. A student who feels drawn to a subject, or group of subjects, should, from the outset, consult the professors concerned.

The student's attention is also called to Honour Courses, and Advanced Courses, described in later pages.

1. CLASSICS

First Year

1. Greek 1 or Latin 1.
2. One class in Greek, Latin, French, German, or Spanish.
3. English 1.
4. Mathematics 1.
5. One class in Physics, Chemistry, Geology, or Biology.

Second Year

1. Greek 2 or Latin 2.
2. One class in Greek, Latin, French, German, or Spanish.
3. English 2.
4. History 1.
5. One class from History 2, Philosophy I, Mathematics 2, a Science class.

Third Year

1. Greek 3 or Latin 3.
2. Another course in Greek or Latin.
- 3, 4, 5. Three classes so selected that at least two of them should be in one Department. The Departments recommended are: Classics, Divinity, English, Modern Languages, History, Philosophy, Political Science, Economics.

Fourth Year

1. Greek 4 or Latin 4.
2. Another class in Greek or Latin.
- 3, 4, 5. Three classes so selected that at least two of them should be in one Department. The Departments recommended are the same as in the third year.

2. ENGLISH AND HISTORY

The number of suitable courses that can be arranged for students interested in English or History is so large, and subject to so much variation to suit individual needs, that any specimen courses offered should be considered merely as a guide to the method of selection and arrangement. Courses in English will vary with the period and type of literature, courses in History with the period and country that are most useful or attractive to the student concerned. Some students will wish to combine History with Modern Languages or Classics, with Economics or Political Science rather than with English; others will combine English with classical or modern languages, or with reading in some other field besides History. In general, however, students chiefly interested in English should arrange their course to include corresponding periods of History, and vice versa. For example, a student interested in literature of the nineteenth century should include in his course English 4 and 5, History 5 and 4; English 7 might be read with History 6, History 5 with English 15, and so on. A student interested in Canadian and American History would naturally elect most or all of History 8, 9, 10, 11 and 12, and with them English 8 and 11 would be suitable classes in English.

For suitable arrangements of classes the student should consult the Head of the Department in which he intends to do the greater part of his reading.

The following may be considered as a representative course selected from those available to students entering from Grade XI in 1945-46:

First year (1945-46): English 1, History 1, Mathematics 1, Greek 1 or Latin 1, French 1 or German 1.

Second year (1946-47): English 2, Greek 2 or Latin 2, Science 1, French 2 or German 2, History 9.

Third year (1947-48): English 4, History 5, History 8, English 8, a fifth class from French or German, Economics 1, Political Science 1.

Fourth year (1948-49): English 5, History 4, History 3, English 14, a fifth class from French or German, Economics 1, Political Science 1.

3. MODERN LANGUAGES

French.

1st year—French 1.

2nd year—French 2.

3rd year—French 3 and one other class, e.g., French 4.

4th year—One or two classes dealing with literature, e.g., in 1945-46, French 4 and French 7.

German.

1st year—German 1.

2nd year—For students interested in literature—German 2. For science students—German 3.

3rd and 4th years—One or two of the literature classes offered in 1945-46, German 6 and 7.

Senior classes in French and German deal with certain literary periods. Students are recommended to take additional classes in History, English and Philosophy in which the same period is treated.

4. PHILOSOPHY

First year: English 1, Greek 1 or Latin 1, a second foreign language, History 1, Mathematics 1.

Second year: English 2, Greek 2 or Latin 2, a science class, Philosophy 1 and one or more of Philosophy 2 and 6, Psychology 3.

Third year: Two or more of the following: Philosophy 3, 4, 5, 7, Psychology 2, 4, 5, 6.

Fourth year: Two or more further classes, chosen from Philosophy 3, 4, 5, 7, Psychology 2, 4, 5, 6.

Students in the third and fourth years choosing two classes in Philosophy alone, are strongly urged to take Philosophy 3 and Philosophy 4 together in the same year, and likewise Philosophy 5 and Philosophy 7.

5. ECONOMICS AND POLITICAL SCIENCE

First year: English 1, Greek 1 or Latin 1, Mathematics 1, French 1, History 1.

Second year: English 2, Greek 2 or Latin 2, Economics 1, Political Science 1, a science class.

Third and Fourth years: Before entering the third year students should consult the Professor with whom they intend to do the greater part of their work. As a general rule they should plan to include in their course some work in Canadian History, American History or Modern European History. In the third and fourth years they should include a minimum of six classes in Economics and Political Science, two classes in History (e.g., History 4 and History 9), and two other classes.

Students interested in Biology, Chemistry, Geology, Mathematics, and Physics, listed below, will often prefer a course leading to the degree of B.Sc. and are referred to the requirements for that degree as stated on pp. 38-39. The following courses for the degree of B.A. may serve, however, to assist both Arts and Science students to arrange their courses.

6. BIOLOGY

First year: Greek 1 or Latin 1, English 1, French 1 or German 1, Mathematics 1, Biology 1.

Second year: Greek 2 or Latin 2, English 2, Chemistry 1, Physics 1, one class in Biology.

Third year: French 2 or German 2, History 1, Chemistry 2 or 4, two classes in Biology.

Fourth year: Two classes in Biology, Chemistry 4 or 2 (class not taken in third year), two electives.

The attention of students is directed to the fact that certain Biology classes are offered only in alternate years; therefore the order of classes will vary somewhat. The ones listed as "Biology" are to be selected from those outlined on pages 78 and 79.

7. GEOLOGY

First year: Mathematics 1, English 1, Biology 1, Drawing 1, Greek 1 or Latin 1 (Greek recommended).

Second year: Mathematics 2 or Logic, English 2, Geology 1, Greek 2 or Latin 2 (Greek recommended), French 1 or German 1.

Third year: Geology 2 and 4, Chemistry 1, Drawing 2, Philosophy or History or Political Science or Fine Arts, and one of the two languages taken in second year (Greek recommended).

Fourth year: Geology 3 and 5, Physics 1, and Philosophy or History or Political Science or Fine Arts—a choice not taken in the previous year.

The attention of students is called to the diploma course in Mining Geology. See page 55.

8. CHEMISTRY AND PHYSICS

First year: English 1, Mathematics 1, Greek 1 or Latin 1, French 1, Chemistry 1.

Second year: English 2, Mathematics 2, Greek 2 or Latin 2, History 1, Physics 1 or 2.

Third year: Mathematics 3, Chemistry 2, Physics 3, French 2, German 1.

Fourth year: Chemistry 5, Physics 4, French 3, German 3, Philosophy 1.

9. MATHEMATICS AND PHYSICS

First year: English 1, Greek 1 or Latin 1, French 1, Mathematics 1, History 20, Chemistry 1.

Second year: English 2, Greek 2 or Latin 2, French 2, Mathematics 2, Physics 2.

Third year: German A, Mathematics 3, Mathematics 4, Chemistry 2, Philosophy 1.

Fourth year: German 3, Physics 3, Physics 4, Education 1.

Ordinary Course for Bachelor of Science

The Ordinary course of study prescribed for the degree of Bachelor of Science consists of the following twenty classes:

- (i) Two classes in English. Two classes in French or German, or one class in each.
- (ii) One in each of the following: Mathematics, Physics, Chemistry, Geology or Biology.
- (iii) Two classes selected from the departments of English, Foreign Languages, History, Economics, Political Science and Philosophy.
- (iv) Ten other classes, such that at least six are included in not more than three of the departments of Science and Mathematics. Drawing 1 may be offered as one of these classes.

Candidates taking at least four classes in Geology may offer Drawing 2 and Surveying 2 as two classes in this group.

Lists of the elective classes chosen by students must be submitted for approval not later than Wednesday, October 10, 1945.

Order of Classes

The following schedule in which the classes are arranged in years shows the order recommended for undergraduates; but students who intend to take one of the Affiliated Courses or to enter an Honour Course or wish to be eligible for first or second year Scholarships, should consult the Registrar early in their course about the right order of classes for the purpose.

First Year

1. English 1.
2. Mathematics 1.
3. French 1 or German 1.
4. Physics 1 or 2, or Chemistry 1.
5. A second Science class, or a second Foreign Language class.

Second Year

1. English 2.
- 2 and 3. Two classes in Science or in Mathematics.
- 4 and 5. Two classes from the remaining imperatives which must include the Foreign Language imperative if such remains.

Third and Fourth Years

The remaining ten required classes and elective classes from the subjects specified above.

Affiliated Courses

A. Engineering.—An undergraduate looking forward to the study of Engineering may offer the following classes instead of four of the electives required from Group (iv) above:—Drawing 2 and 3, Surveying 1 and 2, Mechanics 3, 4 and 5.

An undergraduate who elects Group A and also includes in his Science course the other classes common to it and the course in Engineering, may complete the subsequent work for a degree in Engineering in two years.

B. Medicine and Dentistry.—An undergraduate in Medicine or Dentistry may offer the classes of first year, instead of four of the electives required from Group (iv) above.

There is a B.Sc. course open to medical students who show outstanding ability, which can be taken along with the regular medical course and completed at the end of the third year in medicine. This course, which is outlined to interest the student in medical research, requires the completion with high standing of the regular pre-medical course and, in addition, German 1 and 2, and Philosophy 1. In the first three years of medicine special courses of Laboratory technique must be satisfactorily completed.

C. Pharmacy.—By arrangement with the Maritime College of Pharmacy, classes in Pharmacy, Materia Medica and Dispensing may be offered for three classes in Group (iv) above, by those pursuing the study of Pharmacy.

Course for Bachelor of Commerce*

The course of study prescribed for the degree of Bachelor of Commerce may be completed in four years and consists of the following twenty classes:

- (1) Two classes in English.
- (2) History 1, Mathematics 1, a Science class, a class in a Modern Language.
- (3) One class from the courses of instruction offered in the Faculty of Law.
- (4) Economics 1 and Economics 3.
- (5) Commerce 1, Commerce 4 and Commerce 6.
- (6) Eight other classes to be selected after approval by the Head of the Department of Commerce.

*See p. 35.

Order of Classes

Students looking forward to the study of Commerce should consult with the Head of the Department before registering for the first time in the University. They will be advised concerning the selection and order of classes. The following schedule shows the order recommended:

First year—English 1, Mathematics 1, a Science class, French 1 or German 1 or Spanish 1, Commerce 4.

Second year—English 2, History 1, Economics 1, Commerce 1, one other class with Department's approval.

Third and Fourth years—The remaining compulsory and approved classes.

Distinction in the Ordinary Course

The degree of Bachelor of Arts or of Science with Distinction or with Distinction and a Medal will be conferred for special excellence shown in the classes of the Ordinary course.

The award of such degree is based upon the Class Distinctions (p. 29) gained by candidates; and not only are the number and grade of such Distinctions considered, but also the extent and character of the work by which they have been gained.

To be eligible a student must have completed at least ten classes in which Distinction may be obtained; and he must have secured Distinction in not more than eight classes nor in fewer than six classes distributed over at least two and not more than three departments.

The award of the Medal will be made only to candidates whose achievement is considerably in advance of that required for Distinction.

Students taking more than 25 hours per week (lectures and laboratory) will not be admitted to read for Distinction in any class.

No distinction work will be offered in Greek 1, Latin 1, French 1, German 1, Spanish 1, English 1, Mathematics 1, Physics 1, 2, Chemistry 1, 2, Biology 1, Zoology 2.

Candidates for a degree with Distinction should consult the Committee on Studies with respect to the selection of classes.

Degree of Bachelor with Honours

An undergraduate who has passed in at least nine classes of the Ordinary Arts or Science course with sufficient credit is allowed to enter an Honour course.

A candidate for admission to an Honour Course must obtain the permission of the Faculty, which will in ordinary circumstances be granted only to students who have attained a high standing in the classes preliminary to the Honour course selected (see statement of Honour courses below); and the candidate should, accordingly, plan his course so as to take these preliminary classes during his first two years.

In all cases the number of classes required for the degree shall not be less than twenty.

Honour courses are provided in the following departments: (I) Classics, (II) Latin and English, (III) Greek and English, (IV) English Language and Literature, (V) English and History, (VI) any two of History, Economics and Sociology, Political Science, (VII) Philosophy, (VIII) Mathematics, (IX) Physics, (X) Chemistry, (XI) Geology, (XII) Biology. Undergraduates in Arts may enter any of these courses for which they are eligible. Undergraduates in Science may enter any of the last five courses for which they are eligible.

An undergraduate who enters upon an Honour course in any of the above departments must take the special classes in the department chosen and certain other classes specified below in the requirements for the individual courses, and is required to make satisfactory progress in these classes. He may select the remaining classes of his course, if he is an undergraduate in Arts, from any of the subjects of the Ordinary course in Arts, and, if an undergraduate in Science, from any of the subjects of the Ordinary course in Science, the choice in each case being subject to the approval of the Faculty.

The examinations in the subjects of an Honour course are held at the end of the last year of the course.

A candidate for Honours may defer his examination in the subjects of his course until a year after he has passed the examinations in the Ordinary subjects of the fourth year; in which case, however, he will not receive his degree until he has passed the examination of such Honour course.

Successful candidates will be declared to have obtained degrees with Honours, or with High Honours, or with High Honours and a Medal.

HONOUR COURSES

I. Classics

1. Greek and Latin
See Advanced Courses, pp. 49-50

2. Latin

Preliminary Classes.—Latin 1 and 2.

Candidates taking the Honour Course in Latin are required to take Latin 3, 4, 5, 6, 7 and 8 in their third and fourth years, and sufficient elective classes to complete the total of twenty classes required for the degree. They are further required to pass in Greek 3 or 4 before they shall be recommended for Honours. In the final award the standard of attainment reached in Latin 3 and 4 will be taken into consideration. In the special Honour examinations candidates will be required to show:

- A critical knowledge of the books prescribed in Latin 5, 6, 7 and 8.
- Ability to translate from English into Latin prose; and ability to translate at sight passages from Latin works not prescribed.
- A knowledge of the history of Latin Literature as in Rose, and a knowledge of Ancient Life as in Tucker: *Life in Ancient Athens*, Fowler: *Social Life in the Time of Cicero*, McDonald: *Roman Private Life*.
- A knowledge of Ancient History: Greek, 5th and 4th centuries B.C.; Roman, 240 B.C. to 138 A.D.

II. Latin and English

Preliminary Classes.—Latin 1 and 2, English 1 and 2. Prospective candidates are strongly recommended to take two classes in German.

Candidates taking the Honour Course in Latin and English are required to take in their third and fourth years Latin 3, 4, 5 and 6, at least five approved senior classes (with Distinction) in English, and sufficient elective classes to complete the total of twenty classes required for a degree. The special Honour examinations will be on the following subjects; but the standard of attainment shown in Latin 3 and 4 and in undergraduate classes in English will be considered in the final award.

Latin

The Latin prescribed in Latin 3, 4, 5 and 6.

English

Two papers on Language and three on Literature from the list prescribed for Honours in English Language and Literature.

III. Greek and English

For the requirements in this course read "Greek" for "Latin" in the above course.

IV. English Language and Literature

Candidates for admission to an Honour Course in English Language and Literature must have completed the following classes or their equivalent: English 1 and 2, German 1, History 1, French 1 and 2, Latin 2, Mathematics 1, one other class in English. No candidate should expect to complete this course in fewer than four years after first coming into residence. In the last two years of the course the following classes should be completed: English 3, 4, 5, 6, 7, 12, 14, 15 and 17. Additional work, equivalent to that required for distinction in four undergraduate classes per year, shall be completed to the satisfaction of the department. In addition, the student shall take such classes in History and Foreign Languages as shall be agreed upon between the department and the Committee on Honours and Graduate Studies.

Special Honour examinations will be set, with one or more papers on each of the divisions in the following list. In making the final award, consideration will also be given to examinations in undergraduate classes, and to such additional work as has been completed during the last three years of the course.

The History of the English Language: Phonology, Etymology and Accidence.

Old English: The historical development of the Language and Literature to the year 1300, Grammar and translation, including eight translations from Old English prose and verse.

Middle English: Language and Literature from 1300 to 1500.

The Renaissance: English Literature (dramatic and non-dramatic) from 1500 to 1603.

English Literature from 1603 to 1798.

English Literature since 1798.

The History of Literary Criticism.

V. English and History

Preliminary Classes.—English 1 and 2, History 1. Prospective candidates must arrange to take these classes during their first two years if they desire to complete the work for a degree in four years.

Candidates taking the Honour Course in English and History are required to take in their third and fourth years at least five approved senior classes in English, History 2, 3, 4 and 5 and any special Honour class offered in History, and sufficient elective classes to complete the total of twenty classes required for a degree. The special Honour examinations will be set on the following subjects; but the standard of attainment shown in undergraduate classes in English and in History 2, 3, 4 and 5 will be considered in the final award.

English

The English subjects prescribed for the Honour course in Latin and English.

History

The History subjects prescribed for the Honour course in History, Economics, Political Science. (See below).

VI. History, Economics and Sociology, Political Science

Students looking forward to an Honours degree in these fields should have taken Economics 1, Political Science 1 and History 1, by the end of their second year. The Honour Course will normally require three further years of work. Students will be placed under the direction of one department and their full Honour Course must be approved by the head of the department concerned. Before completing their final year students must satisfy the departments of their ability to read French or German, and are recommended to have both. In their final year students will be examined in five honour subjects and will submit a written thesis. An oral examination may be required to supplement the written work.

History

Three subjects from the following groups, but not more than two from any one group:

- A. 1. A Period in Greek History.
2. A Period in Roman History.
- B. 1. A Period in English History prior to 1603.
2. A Period in English History since 1603.
- C. 1. A Period in Mediaeval European History.
2. A Period in Modern European History.
3. Another Period in Modern European History.
- D. 1. Canadian History to 1763.
2. A Period in Canadian History since 1763.

Economics and Sociology

One subject from each group:

- A. 1. Economic Theory and its History.
2. Sociological Theory and its Development.
- B. 1. International Trade and Tariffs.
2. Money and Banking.
3. Public Finance.
4. Labour Problems.
5. Economic Problems of Canada.
6. Economic History.
7. Programmes of Social Reconstruction.
8. Social and Vital Statistics.
9. Population Problems.
10. Social Legislation in Canada.
11. Community Organization.

Political Science

Students doing their major Honours work in the department will be examined in three subjects, two from A and one from B. Ordinarily students will be required to do the class work in those classes listed after each of the following Honour subjects. While the examination will be on the subject rather than on the class work, the marks taken in the classes specified will be counted in making the final award:

- A. 1. Government of the British Commonwealth of Nations (Political Science 1, 15);
2. Government and Constitution of Canada (Political Science 1, and Political Science 11 or 13);
3. Political Theory (Political Science 6, and Political Science 14 or Economics 7);
4. Public Administration (Political Science 13, and Political Science 5 or Economics 8);
5. International Law and Relations (Political Science 2, and History 4 or Political Science 12).
- B. A special subject chosen in consultation with the department. No special class work will be required. The following special subjects or types of subjects are suitable:
 1. A political philosopher (e.g., Mill or Laskei).
 2. The constitution and government of a particular country (e.g., U. S. A. or Great Britain).
 3. Municipal government with particular reference to Canada.

Public Administration

The Honour Course in Public Administration is designed for two purposes: (1) To meet the needs of those students who are contemplating careers in the public service (federal, provincial or municipal), or vocations, such as journalism, which are largely concerned with public affairs; and (2) Education for citizenship in a modern democracy such as Canada.

The aim is to provide a broadly cultural course of study rather than training for specific posts. The course will include classes from the related fields of History, Economics, Law and Political Science, as well as some special work in public administration.

Preliminary Classes.—History 1, Economics 1, Political Science 1.

Students intending to apply for this course should complete all compulsory classes during the first two years. They should choose French as the second language, and should complete two classes in this language, or possess at least a reading knowledge.

The course of study to be followed in the later years will be adapted to the needs and aptitudes of individual students. Those interested should consult the Instructor in Public Administration.

VII. Philosophy

Preliminary Class.—Philosophy 1.

Candidates taking the Honour course in Philosophy are required to take Philosophy 2, 3, 4, 5, 6 and 7 and any special Honour classes in Philosophy offered in their third and fourth years, and sufficient elective classes to complete the total of twenty classes required for a degree. The special Honour examinations will be set on the following subjects; but the standard

of attainment shown in Philosophy 2, 3, 4, 5, 6 and 7 will be considered in the final award.

A. *Logic*.—Wetton: *Manual of Logic* (2 vols.). Mill: *System of Logic*. Joseph: *Introduction to Logic*. Bradley: *Principles of Logic*.

B. *Psychology*.—Klemm: *A History of Psychology*. Rand: *The Classical Psychologists*. Watson: *Behavior; An Introduction to Comparative Psychology; Psychology from the Standpoint of a Behaviorist*. McDougall: *Body and Mind*. Ward: *Psychological Principles*.

C. *Metaphysics*.—Taylor: *Elements of Metaphysics*. Bradley: *Appearance and Reality*. Bergson: *Time and Free Will*.

D. *Ethics*.—MacKenzie: *Manual of Ethics*. Moore: *Principia Ethica*. Sidgwick: *Methods of Ethics*. History of Ethics. Green: *Prolegomena to Ethics*. Rashdall: *Theory of Good and Evil*.

E. *History of Modern Philosophy*.—Locke: *Essay on the Human Understanding*, I, II, V. Berkeley: *Principles of Human Knowledge; New Theory of Vision; Dialogues between Hylas and Philonous*. Hume: *Inquiry into Human Nature*. Kant: *Critique of Pure Reason*, to the end of the *Transcendental Dialectic*.

F. *History of Greek Philosophy*.—Gomperz: *Greek Thinkers*. Adams: *Religious Teachers of Greece*. Plato: *Republic*, Books I-III, V, VI, VII. Aristotle: *Ethics*, I-III, VII, X.

VIII. Mathematics

Besides the Honour Course in Mathematics mentioned below, there is an Advanced Course. See page 60.

Mathematics

Preliminary Classes.—Mathematics 1, 2, 3 and 4, Physics 1 or 2 and 3.

The requirements include Mathematics 5, 6, 7 and 8 or 12, Physics 6, 14 and 16, and another class in Physics or Mathematics.

This course can be completed in four years only by students who enter with credit in Grade XII Mathematics. Such students should take Mathematics 2 and Physics 2 in their first year, Mathematics 3 and 4 and Physics 3 in their second year, and four of the classes listed above in each of their third and fourth years.

IX. Physics

The Honour course in Physics can be completed in four years only by those students who enter with Grade XII or equivalent standing. Grade XII Mathematics is imperative, and both French and German are recommended.

Preliminary Classes.—Mathematics 1, 2 and 3, Physics 2 and 3, Chemistry 1 and 2 or 4.

The requirements include eight approved senior classes in Physics, Mathematical Physics, Mathematics and Physical Chemistry.

Students looking forward to the Honour course in Physics should take Physics 2, Mathematics 2 and Chemistry 1 in their first year, and Physics 3, Mathematics 3 and Chemistry 2 or 4 in their second year. A class in German and one in French should also be included in the work of the first two years.

The work of the last two years includes eight classes selected from the departments of Mathematics, Physics and Chemistry.

The special Honour examinations will be set to test (1) the student's general knowledge of the more elementary parts of the subject, (2) his grasp of the more advanced parts of the subject which have been taken up in lectures, and (3) his ability to work up some part of the subject without the aid of lectures.

X. Chemistry

Preliminary Classes.—Chemistry 3 and 4, Physics 2 and 3, Mathematics 1, 2 and 3. One class in German is required; two are recommended.

In order to complete this course in four years, it is necessary to enter with Grade XII Mathematics and to take Mathematics 2 and 3, Physics 2 and 3, Chemistry 1, 3 and 4 in the first and second years; and Physics 6 and 7, Chemistry 5, 7, 8, 6 and 10 in the third and fourth years.

Candidates for High Honours will be expected either to prepare a thesis embodying the results of a short original investigation, or to show exceptional skill in some special branch of laboratory work. The standard of attainment shown in Physics 6 and 7 (Distinction courses), and in Chemistry 5, 7, 8, 9, 6 and 10, will be considered in the final award.

The special Honour examinations will be set on the following subjects:

- A. Inorganic and Analytical Chemistry.
- B. Organic Chemistry.
- C. Physical Chemistry.
- D. Practical Chemistry.

XI. Geology

Preliminary Classes.—Geology 1, Mathematics 2, Physics 1 or 2, Chemistry 1 and 2.

Candidates for Honours in Geology will be required to take Geology 2, 3, 4, 5, 6 and 7 (Physics 4, 5 and 7 optional), and Chemistry 5 and 7.

Honour students are required to take the classes in Surveying 2 and Mechanics 2 before graduation. Women students need take only Surveying 1, but will be required to take some field surveying around the campus.

Students wishing to specialize in Palaeontology must take Biology 1 and allowance will be made for this subject in the prescribed courses.

XII. Biology

Preliminary Classes.—Chemistry 1, 2 and 4, Physics 1, Biology 1, Zoology 2 or Botany 2. One class in German is required; two are recommended.

The requirements include seven additional classes in Biology or related subjects together with independent investigation in preparation for examination C listed below.

Students coming from Grade XII require four years to complete this course. Such students should take Biology 1, Chemistry 1 and Physics 1 in their first year; Zoology 2 or Botany 2 and Chemistry 2 and 4 in their second year; and the seven additional classes mentioned above in the third and fourth years.

An adequate knowledge of field conditions will be required. This may necessitate supervised work during the summer.

The special Honour examinations will be set to test:

- A. General knowledge of the subject.
- B. More detailed knowledge in either Botany or Zoology.
- C. Aptitude for independent investigation.

Advanced Courses.

Besides the Ordinary Course in Arts and Science and the Honour Courses in certain subjects and groups of subjects, described in the preceding pages, Advanced Courses are offered in certain departments to those students who have taken a creditable Grade XII standing, or an equivalent postmatriculation standing, and who have shown aptitude in certain subjects. These Advanced Courses are of four years' duration. (In certain cases a student, who has completed his first year's work in the Ordinary Course in Dalhousie University, will be allowed to enter as a beginner in the Advanced Course.)

A Grade XIII, or other student, who is contemplating entering one of these Advanced Courses, should carefully study the requirements, and map his Grade XII work accordingly, as the requirements vary for the different Advanced Courses.

I. Classics

The following course is offered for those students who have complied with the regulations on page 59. (Classics Entrance Scholarships). Hours to be arranged.

For the present Greek II and III and Latin II and III will be given in alternate years.

Greek I.—Heraclitus: Book VI. Plato: *Apology*. Euripides: *Alestitis*. Homer: *Odyssey*, V, VI.

Latin I.—Livy: Book XXI. Catullus: Selections. Terence: *Phormio*. Vergil: *Aeneid* VI. Horace: *Odes* (selected).

Greek II.—Thucydides: Book I. Demosthenes: *Philippics I, II*. Homer: *Iliad, I, VI*. Aeschylus: *Prometheus Bound*. Sophocles: *Oedipus Rex*. Aristophanes: *Frogs*.

Latin II.—Cicero: *In Caecilium, In Verrem I*. Sallust: *Catiline*. Livy: Book XXII. Vergil: *Aeneid* (3 books). Horace: *Satires*. Plautus: *Captives*.

Greek III.—Plato: *Republic I-IV* (selected). Thucydides: Book II. Homer: *Iliad, XXII, XXIV*. Sophocles: *Antigone*. Aristophanes: *Clouds*. Theocritus: Selections.

Latin III.—Cicero: *Letters* (selected); *Enays* (selected). Pliny: *Letters* (selected). Tacitus: *Annals I, II*. Vergil: *Georgics I, IV*. Juvenal: *Satires* (selected). Plautus: *Menaechmus*. Martial: Selected *Epigrams* for sight translation.

Greek IV.—Plato: *Republic V-X* (selected). Aristotle: *Poetics*; *Ethics* (four books). Thucydides: Books VI, VII. Aeschylus: *Agamemnon*. Lyric Poets (selected). Pindar: *Odes* (selected). Euripides: *Medea*.

Latin IV.—Cicero: *de Officiis I, Philippics II*. Tacitus: *Annals III-VI*. Quintilian: Book X. Horace: *Epistles*; *Ars Poetica*. Ovid, Propertius and Tibullus (selections). Lucrctius: Two books.

An integral part of the course throughout consists of weekly exercises in both Greek and Latin Prose. Early in the course

students should achieve a mastery of the outlines of Greek and Roman History, and deepen their knowledge of the subject as the course proceeds. The same applies to the history of the literature in both languages. In the third and fourth years they must acquaint themselves with the development of Greek philosophy. In order to accomplish all this students will find it necessary to do much private reading during vacations. They will not be formally taught these subjects, but will be examined in them, in course. As a guide to this reading the following books are suggested—those marked with an asterisk are elementary books, fairly cheap, which the student would do well to own:—

Botsford: **History of Greece*. Bowra: **Ancient Greek Literature*. Everyman: **Classical Atlas*. A. Zimmern: *Greek Commonwealth; Solon and Croesus*. Dickinson: *Greek View of Life*. Earp: *The Way of the Greeks*. B. Farrington: *Science and Politics in the Ancient World*; **Greek Science*. J. L. Myres: *Political Ideas of the Greeks* (v. especially chapters); *Greek Notion of Law*; *Greek Notion of Freedom*. J. Adams: *Religious Teachers of Greece*. McCarty: **History of Rome*. A. H. J. Greenidge: *History of Rome, 133 B.C.—70 A.D.* R. G. Collingwood: *Roman Britain*. Gwynn: *Roman Education*. T. R. Holt: *The Roman Republic and the Founder of the Empire* (Three volumes). J. W. MacKail: *Latin Literature*. J. B. Mayor: **Ancient Philosophy*. John Burnet: *Essays and Addresses*. Stanley Casson: *The Discovery of Man*.

II. Mathematics

The following course is offered for those students who have complied with the regulations on page 59 (Mathematics Entrance Scholarships). The preparation for admission includes complete Grade XII standing in Mathematics, Physics, English and two languages. The course extends over four years and includes, in each year, special tutorial work in addition to the regular classes.

The first year of the regular class work includes differential and integral calculus in Mathematics 2 and a course in general Physics (Physics 2) besides classes in English and a foreign language. The second year continues the study of Analysis and Geometry in Mathematics 3 and 4 and Electricity and Magnetism in Physics 3, with suitable other classes.

The third and fourth years of the course proceed with the course for Honours in Mathematics, including Mathematics 5, 6, 7 and 8 or 12, Physics 6, 14 and 16, and another class in Mathematics or Physics. The details of these classes are to be found on pages 98 and 105.

III. Modern Languages and History

This course is open to those who have studied both French and German, and who have creditably attained Grade XII or equivalent standing. (Students are expected to complete the

equivalent to Grade XII Mathematics before entering the course.) Students in this course will continue the study of French and German for four years with the aim of becoming fluent in both languages. They will also study English literature. They will make a general study of European History and give special attention to the political and social developments in the periods covered by their studies in literature.

First Year

French: General introduction to French literature—French 2.
German: German composition. Conversation classes in German. Reading of German prose and poetry, especially contemporary authors.
History: Sketch of European History since the fall of the Roman Empire.
English: English 1 (p. 83).
Latin: Latin 2 (p. 91).

Second Year

French: French composition, practice in the oral use of the language, discussions, reading, themes—French 3.
History of French literature 1945-46: French 4. The 19th century, reading list issued in time.
German: Outline of German literature in the Nineteenth century. Of the dramatists of that period, Kleist and Hebbel will be read, and of the novelists and lyricists, Eichendorf, Gottfried Keller, Konrad Ferdinand Meyer, Storm and Riel.
History: History of Europe since 1815; largely a seminar course with assigned readings.

English: English 2 (p. 91).

Third Year

French: History of French literature (continuation of French 5, either French 6, 19th century, or French 4, 16th and 17th century). Lectures, collateral reading, reports.
German: Outline of German literature in the Eighteenth century. A selection of dramas, poetry and prose will be read, special emphasis being laid on Lessing, Schiller and Goethe. Students will be required to read studies on the literary history of the period by German and British authors.
History: History of Europe, 1715 to 1815. Seminar class (French Revolution, Napoleon, Development of Germany).

Fourth Year

French: The student may choose a course in literature he has not previously taken, or French 7 (contemporary literature in France) or another subject selected by arrangement with the instructor. Lectures, collateral reading, reports.

During the third and fourth years, students will acquire an extensive knowledge of the French literature of the XVIIth, XVIIIth and XVIIIth centuries.

German: History of the German language and the chief phases of German medieval literature will be studied. Parts of the Nibelungenlied and Gudrunlied and Parzival will be read.

Throughout the whole course, students will study German idioms both in conversation and written composition. Special emphasis will be laid on this in the first three years.

Comparative Literature: In the third and fourth years classes in English may be arranged to fit the courses taken in foreign languages and history.

OTHER COURSES**Course for Bachelor of Music**

The course for the degree of Bachelor of Music may be completed in four years.

Candidates for the degree may be students of the pianoforte, organ, violin or voice.

The examinations in theory are the same for candidates in all branches of music.

First Year

1. Harmony in not more than four parts.
2. Analysis of Form.
3. Strict Counterpoint in two and three parts.
4. History of Music.
5. Practical Music.
6. English I.
7. French I.

Second Year

1. Harmony in not more than four parts, including writing for strings.
2. Strict Counterpoint in not more than four parts: Fugue (subject answer and counter subject).
3. History of Music.
4. Practical Music.
5. English II.
6. German I.

Third Year

1. Harmony in not more than five parts, including writing for strings.
2. Counterpoint in not more than five parts (Simple and Combined).
3. Double Counterpoint at the octave and fifteenth; Canon and Imitation in two parts; Fugue as far as Exposition.
4. Orchestration, elementary and Form.
5. Acoustics.
6. *Practical Music.

*Practical music may be completed either in the third or fourth year.

Fourth Year

1. Double Counterpoint; Canon and Imitation; Fugue in not more than four parts.
2. Form, including Analysis of at least two Full Scores of different type.
3. Orchestration.
4. Three Exercises composed by the candidate:
 - (a) A solo song with pianoforte accompaniment.
 - (b) A four-part vocal composition.
 - (c) An instrumental composition (other than a dance) for pianoforte, organ or a stringed or wind instrument with pianoforte accompaniment.

The Practical Tests are held only at the time of the corresponding examinations, and an application for examinations is considered as an application for the practical tests also.

The University provides instruction in English, French, German and Acoustics. Instruction in the professional subjects may be obtained at the Halifax Conservatory of Music, or other institutions recognized for this purpose by the Senate.

Owing to the affiliation of the Halifax Conservatory of Music with the University, the work and examinations in Theory and Practical Music taught at that institution will be accepted on the degree course.

Diploma of Licentiate of Music

The Diploma of Licentiate of Music in Pianoforte, or Organ or Violin or Voice will be granted to candidates who complete two years of the course for the degree of Bachelor of Music by passing the examinations and practical tests of the first and second years.

General Regulations for Courses in Music

Candidates presenting certificates from recognized institutions showing that they have completed satisfactorily the work, or the equivalent, of the first year at this University, may receive exemption from corresponding examinations and practical tests of that year.

Candidates for any examination must make application to the Secretary of the Faculty of Arts and Science not later than March 30, the application being accompanied by the proper fee (see p. 75) and by certificates of having attended approved courses of instruction in the professional subjects of the examinations and of having satisfactorily completed the work of such courses.

Courses in Pharmacy

Degree Course

Students of Pharmacy may obtain the degree of B.Sc. (Pharmacy) by taking certain classes in the Faculty of Arts and Science in addition to the classes in the purely Professional subjects. (See p. 39).

Other Pharmacy Courses

The Maritime College of Pharmacy, with the co-operation of the University, offers two other courses in Pharmacy, an Elementary Course for Pharmacy Clerks, and a Diploma Course for those who desire to become Registered Pharmacists. These courses are carried on in the University buildings, and the students are subject to University regulations and discipline.

The Elementary Course for Pharmacy Clerks is intended to prepare the student for the Certified Clerks' Examinations of the New Brunswick and Nova Scotia Pharmaceutical Societies. Attendance in this course is prerequisite to the Diploma Course. The Course begins on September 1, 1945.

The Diploma Course begins on Thursday, September 27, 1945, and ends with the University session. The matriculation requirements are the same as those for the B.A. or B.Sc. degree, including Latin (see p. 22).

The course, which covers two years and includes Chemistry, Physics, Biology, Materia Medica, Pharmacy, Prescriptions and Dispensing, is designed to prepare the student to pass the final licensing examinations of the Pharmaceutical Societies and Associations of the Maritime Provinces. A diploma is granted for the satisfactory completion of this course.

For the calendar of the College and for all information, address The Maritime College of Pharmacy, Medical Sciences Building, Halifax, N. S.

Diploma in Education

Candidates for admission to the course leading to a Diploma in Education must have received the B.A. or B.Sc. degree from a College or University recognized by the Senate for the purpose.

By arrangement with the Nova Scotia Department of Education, graduates in Arts or Science who have completed the course leading to a Diploma in Education subsequent to receiving their degree in Arts or Science may receive a permanent High School Class Licence to teach in any public school in Nova

Scotia. This course, or its equivalent at another College or University recognized by the Provincial Department of Education, must be satisfactorily completed by any university graduate who wishes to teach in the public schools of Nova Scotia, and qualifies him for a position in any high school receiving government grants. Mastery of the content of this course is a necessary step toward securing the Academic Licence.

The following are the requirements for the award of a High School Class Licence to college or university graduates:

1. Full age of twenty years and certificate of moral character from a Minister of Religion or two Justices of the Peace.
2. A degree of B.A. or B.Sc. from a recognized University.
3. A High School Rank Teacher Training Course Diploma obtained in a full year of study following the receipt of the university degree.
4. The prescribed Physical Training Certificate.

Graduates with a degree as in (2) but who are awarded a University Teacher Training Course Diploma of the First Rank may be awarded a Teacher's Licence of the First Class and a High School Class Licence after one year of successful teaching as certified by an Inspector.

The First Rank Diploma is awarded to students who satisfy the examiners in the theoretical part but not in the practical part of the Diploma examination.

The required subjects for the High School Rank Diploma are the classes Education 1, 2, 3 and 4, together with at least one in an academic subject. Education 1 is the only class in Education for which undergraduates are permitted to register. Students who have secured credit for Education 1 in their undergraduate study must complete the equivalent of five full classes during their post-graduate year. Of those, three will be classes in Education, one an academic class, and one a second academic class, or, in the discretion of the Professor of Education, the completion of a piece of practical work in education.

Course in Mining Geology

The course in Mining Geology is designed to train those who desire to become mining geologists. It leads to the degree of Bachelor of Science and a Diploma in Mining Geology. The course is based on the fundamentals of Engineering with the maximum amount of Geology and Chemistry which time allows.

Those who wish to take the course will enter with Grade XII (the equivalent of five University classes), or the first year at the University.

The time-table for this prescribed course may be obtained in the Registrar's Office.

Uniform Course for all Branches of Engineering

This course is intended for students who look forward to taking a degree in Civil, Electrical, Mechanical or Mining Engineering. It covers the requirements prescribed for admission to the courses for a degree in Engineering from the Nova Scotia Technical College, or to entrance into the third year of other engineering institutions. A Diploma is given for successful completion of the course.

For admission see Matriculation requirements, page 23.

The Course is one requiring three years namely:

First Year—English 1A, Mathematics 1, Chemistry 1, Drawing 1, French 1 or German 1 or Latin 1, Surveying 1.

Second Year—English 1 or 2, Mathematics 2, Physics 2, Drawing 2, Surveying 2, Economics 1 or 1E, Chemistry 2.

Third Year—Mathematics 3A, Physics 3, Mechanics 2, 3, 4, 5, Drawing 3, Geology 1.

Shopwork with machine tools is required by the Nova Scotia Technical College of students in electrical and mechanical engineering at the beginning of their junior year. Instruction in this subject is given by the Nova Scotia Technical College in a three weeks' course immediately preceding the opening of their regular college session. It is required that the students in these two branches of Engineering attend the shopwork course at the time specified. The regular summer machine shop course outlined above has been cancelled due to the war emergency training programme carried on at the Technical College.

Industrial or engineering experience of a practical nature for a total period of from three to six months is required by the Nova Scotia Technical College before the granting of a degree. A portion of this experience must be obtained in the branch of engineering which the student is pursuing in college. Machine shop practice at the Technical College is not considered as equivalent to any portion of the period of practical experience required.

The Surveying Camp, conducted under the auspices of the Nova Scotia Technical College on the grounds of the Agricultural College, Truro, must be attended by all students who contemplate taking Surveying 2 during the following session.

Engineering students may obtain the degree of B.Sc. by taking certain Arts classes in addition to those specified above, see p. 39.

Chemical Engineering

Students in Engineering may qualify for admission to the course in Chemical Engineering at McGill University provided that they take Chemistry 3 instead of Chemistry 2, and in addition Chemistry 4 in the Second Year, and in the Third Year Chemistry 5 or 5E. Before admission to McGill they must be approved on the recommendation of the Department of Engineering at Dalhousie.

Master of Arts and Master of Science

A candidate for the degree of Master of Arts or Master of Science must hold the corresponding Bachelor's degree from a College or University recognized by the Senate for the purpose, and have held it for at least one year, and be of good character and standing. The course of study for the degree shall be confined to one subject or two closely related subjects, and must be submitted by the candidate in writing, and receive in advance the approval of the Faculty of Arts and Science. The course shall consist of work in advance of that given in the ordinary undergraduate classes; but some of the more advanced undergraduate classes may be a part of it, provided these have not been part of the work of the candidate for the Bachelor's degree. At least three undergraduate classes must already have been taken in the main subject offered and distinction must have been obtained in two such classes. The course shall comprise work amounting to not less than that of five classes, and be designed to occupy the candidate's time for not less than forty hours per week for a session, class attendance and time spent on preparation being included.

The course of study for the Master's degree shall be arranged for each candidate by the department chiefly concerned, due consideration being taken of the candidate's preparation, needs and aims. In case of deficient preparation for what the department regards as proper graduate work, prerequisite undergraduate classes may be prescribed, but such classes shall not count as part of the work for the degree.

An essay or thesis may be required of the candidate.

Honour B.Sc.'s may, with the approval of their department, be allowed to count the thesis as three-fifths of the M.Sc. work in that department.

Other candidates for the Master's degree will in general be permitted to take only one-fifth of their M.A. work by thesis; but on recommendation of their department may, with the approval of the Committee, be allowed to take two-fifths.

An undergraduate who, at the beginning of a session, has fewer than five classes to complete in order to obtain the Bachelor's degree, may be permitted, with the approval of the Faculty, to take not more than two senior classes with a view to including such class or classes in a subsequent course for the Master's degree.

Final examinations for Master of Arts and Master of Science degrees shall be held during the regular examination period and shall cover the whole of the work. A student failing in any one of the examinations is required to repeat all examinations. The pass mark shall be fifty per cent. in each subject whether preliminary or final. Examinations shall be held ordinarily at the time of the Spring examinations; but in special circumstances they may be held in the Autumn. **Candidates must give one month's notice to the Office of the Registrar of their intention to appear for examination, and the fee must accompany the notice.**

Course in Fisheries

The University in co-operation with the Fisheries Research Board of Canada offers a course which leads to the degree of Master of Science for those students fulfilling the requirements, and who wish to fit themselves for research in one or other of the branches of science met with in the solution of Fisheries problems. Courses are given at the University, at the Atlantic Fisheries Experimental Station and at the Atlantic Biological Station.

Those who are interested in this course should communicate with the Director, Atlantic Fisheries Experimental Station, Halifax.

SCHOLARSHIPS AND PRIZES

Scholarships are awarded strictly on merit.

The annual payment of any Scholarship or Bursary, when not otherwise stated, is made in two instalments, on October 15 and February 1, the latter payment being conditional on satisfactory progress.

Any Scholarship winner, who can afford to do so, is invited to resign all or part of the financial emoluments. He will still be styled the winner of the Scholarship during its tenure. This arrangement increases the value of the Scholarships Funds, as it would enable other students of scholarly attainments to attend the University.

OPEN TO STUDENTS IN ARTS AND SCIENCE ENTRANCE SCHOLARSHIPS

(To qualify for a scholarship, candidates must have complete matriculation for Arts or Science.)

Entrance Scholarships in Mathematics and in Classics Application must be made by August 1

Two Mathematics Entrance Scholarships of \$600 and \$400 (of \$150 and \$100 respectively, annually for four years) are open to boys only who have attended any school in the Maritime Provinces or Newfoundland, and who have completed Grade XII or equivalent instruction. Students holding these scholarships must pursue in Dalhousie University a four years' honour course in Mathematics. The scholarships are paid in four annual instalments at the beginning of each term. Tenure of the prizes is conditional on the student winning first-class standing from year to year.*

The two prizes above mentioned in Mathematics shall be awarded on this basis:

The candidate must have received a creditable pass in the following examinations of Grade XII as set by the Common Examining Board: English; Physics; Algebra; Geometry; Trigonometry; and any two of Latin, Greek, French, German. In addition, candidates are tested on two special problems papers based on Grade XII work in Mathematics, set by Dalhousie University, and rank will be determined by the candidates' standing in these two problems papers only.

Two Classics Entrance Scholarships of \$600 and \$400 (of \$150 and \$100 respectively, annually for four years) are open to boys only who have attended any school in the Maritime Provinces or Newfoundland, and who have completed Grade XII or equivalent instruction, with this proviso, that, in pursuing Grade XII studies, if not in his earlier school work, the candidate has studied both Greek and Latin. (In compensation for this double course in the Classical languages, he may omit from the Grade XII curriculum either the modern foreign language or a science). Students holding these scholarships must pursue in Dalhousie University a four years' advanced course in Classics. The scholarships are paid in four annual instalments, at the beginning of each term. Tenure of the prizes is conditional on the student winning first-class standing from year to year.*

The two prizes above mentioned in Classics shall be awarded on this basis:

A creditable pass must have been received by the candidate in the subjects of English, Greek and Latin, Mathematics, and either a modern foreign language or a science, in the papers set for Grade XII by the Common Examining Board. In addition, candidates are tested on two special papers, one in Greek and one in Latin, set by Dalhousie University, and rank will be determined by the candidates' standing in these two papers only. Candidates should aim at reading Greek equivalent in amount to about three books of Xenophon's *Anabasis* and Latin equivalent in amount to four books of Caesar's *De Bello Gallico* and three books of the *Aeneid*.

*For example, a scholarship holder who failed to make an average of at least sixty per cent. in the classes taken and of at least sixty-five per cent. in the scholarship classes in the first year would not be paid the annual instalment in his second year. But, by attaining first-class standing in the second year, he would be qualified for the prize money in his third year.

Entrance Scholarships in Modern Languages and History

An O. E. Smith Entrance Scholarship of \$300 (\$125 annually, for four years) is open to students who have attended any school in the Maritime Provinces or Newfoundland, and who have completed Grade XII or equivalent instruction. Students holding this scholarship must pursue in Dalhousie University a four years' advanced course in Modern Languages and History. The scholarship is paid in four annual instalments, at the beginning of each term. Tenure of the prize is conditional on the student winning first-class standing from year to year.*

An O. E. Smith Entrance Scholarship of \$300 (875 annually, for four years). This scholarship also is offered on the above conditions.

The two prizes above mentioned in Modern Languages and History shall be awarded on this basis:

A creditable pass must have been received by the candidate in the subjects of English, Greek or Latin, French and German, and Mathematics, in the papers set for Grade XII by the Common Examining Board. In addition, candidates are tested on two special papers, one in French and one in German, by Dalhousie University, and rank will be determined by the candidates' standing in these two papers only.

Regional Scholarships.†—Three Scholarships of value \$200, \$150 and \$100, respectively, will be awarded annually to properly qualified students from each of the following regions:

- (1) Prince Edward Island.
- (2) and (3) Cape Breton Island, which counts as two regions.
- (4) Pictou, Antigonish and Guysborough Counties.
- (5) Halifax County.
- (6) Hants, Queens and Lunenburg Counties.
- (7) Shelburne, Yarmouth and Digby Counties.
- (8) Annapolis and Kings Counties.
- (9) Colchester and Cumberland Counties.
- (10) Westmorland and Albert Counties in New Brunswick.
- (11) King's and St. John Counties in New Brunswick.
- (12) Other parts of New Brunswick.

The award of these scholarships in 1946 will be determined:

By the results of a preliminary general examination; set by Dalhousie University and written during the month of February at the school attended by the candidate; and by the standing of the candidate in the school work of the year in which he completed the work of Grade XI or the equivalent.

Only those pupils who at the end of the present school year will have taken the seven classes of Grade XI required for University matriculation are eligible to write the preliminary examination; and scholarships may be held only after matriculation into the B.A. or B.Sc. course is completed.

*See footnote on page 59.

†One of the \$100 Scholarships is the gift of the Hebrew community of the Sydney District and it is named the "Cape Breton Hebrew Scholarship."

*Application to write this scholarship examination must be made before February 1 through the school or academy Principal; and requests for the examination question papers must reach the Registrar before February 4.

The University has the following funds available for Scholarships; and from these Funds the above Regional Scholarships will be given; and in each case the Scholarship will bear the name of the fund from which it is derived:

Howard Murray Fund.—Four Bursaries of a minimum value of \$50 each, from the Howard Murray bequest to the Department of Classics, are open to candidates of either sex under the following conditions:

Two Bursaries will be awarded to candidates for the Regional Scholarships (see page 60) who are placed next after the winners, and satisfy the other conditions of these scholarships, special emphasis being laid on the candidates' work in Latin, with or without Greek.

Two Bursaries will be awarded on the results of the papers in Latin and Greek, or in Latin only, of the Classics Entrance Scholarship examination* (see page 59) to candidates who are placed next after the winners of these scholarships. Preference will be given to candidates whose work is commendable in both Latin and Greek.

No Bursary will be awarded if the candidate will hold other scholarships or bursaries of \$100 or over during the ensuing academic year. But the award of a first year entrance bursary is no bar and should be an incentive to its holder to compete for the similar second year award.

The Sir William Young Fund.—This fund was left by Sir William Young for the purpose of endowing Scholarships, and amounts to \$4,000.

The Mackenzie Bursary Fund.†—Mrs. Harriet Mackenzie Morrison, of Stornoway, Scotland, daughter of Rev. Kenneth Mackenzie, of Pictou County, bequeathed £1,000 to the University in 1887 to be used as a Bursary Fund.

The George H. Campbell Memorial Scholarships Fund.—In 1917 Mr. and Mrs. George S. Campbell gave the University the sum of \$25,000 to commemorate their only son, George Henderson Campbell, B.A. '15, who enlisted for overseas service during his senior year, and was killed while on duty at the front.

The Robert Bruce Fund.‡—The University receives one-seventh of the income from a bequest of \$57,500 by Robert Bruce of Quebec, to be used for Scholarships and Bursaries.

The Hector McInnes Memorial Scholarship Fund.—During the last year of his life, the late Hector McInnes was given \$10,000 by an anonymous donor to whom he had been describing the Dalhousie Regional Scholarships. The money was to be used for that purpose.

After Mr. McInnes' death, in December, 1937, the same anonymous donor gave the University \$50,000 as a memorial to Mr. McInnes. The \$50,000 was invested as an endowment for this purpose, as was also the unexpended balance of the original \$10,000.

*Papers may be written at local centres.

†In the awarding of this scholarship, candidates of the name of Mackenzie, MacLean or Fraser will be given the preference.

‡In the awarding of this scholarship preference will be given to the students of Scottish extraction.

Armdale Chapter I.O.D.E. Bursary.—The Armdale Chapter of the I.O.D.E. offers a Bursary to be awarded to a candidate of sufficient ability entering the University for the first time from the Armdale district.

Pictou Academy Scholarship.—In recognition of the common origin and close relation existing between Dalhousie University and Pictou Academy, the University, in 1917, on the occasion of the hundredth anniversary of the Academy, established a Scholarship of the value of \$100 to be held during his first year of attendance at this University by the winner of an Academy Scholarship recommended by the Academy for this purpose. If such person stands also highest among the Academy students in the Grade XII examinations, the scholarship will be increased to \$200.

Provincial Normal College Scholarship.—A scholarship of the value of \$75 annually is available for award by the Faculty to a graduate of the Provincial Normal College of Nova Scotia recommended by the Principal.

Prince of Wales College Scholarship.—A Scholarship of \$200 annually has been established to be given to the student who stands highest in the third year examinations of Prince of Wales College, Charlottetown, and who enters the Faculty of Arts and Science of this University.

Memorial University College Scholarship.—A Scholarship of \$200 annually has been established to be given to the student who stands highest in the second year examinations of the Memorial University College, Newfoundland, and who enters the Faculty of Arts and Science of this University.

The I. C. Stewart Fund.—Under the will of the late Mr. I. C. Stewart of Halifax, funds have been made available "to establish an annual scholarship to be awarded to a boy or girl born and resident in the district of St. Mary's in the County of Guysborough, Nova Scotia, in order that he or she may attend Dalhousie University for the purpose of receiving a college education." "In considering applications for such scholarship, regard shall be had to the moral worthiness and strength of character of applicants as well as to their high academic qualifications." The exact terms and conditions of the award have not been settled but applications from qualified students may be sent to the Registrar.

The Ross Millar Bursary.—Under the will of Dr. Ross Millar the sum of \$10,000 was bequeathed to the Board of Governors in trust to set up a bursary to be awarded annually at the spring Convocation. It is stipulated that "other things being equal the recipient shall be an undergraduate in Arts or Letters who is qualifying himself for the Ministry of the Presbyterian Church in Canada by taking the Arts or Letters degree at Dalhousie." The Synod of the Presbyterian Church in the Maritime Provinces will present the names of candidates to the Board of Governors, and the necessary scholastic requirements will be decided either at the matriculation examinations or by ability as shown by the seasonal examinations.

First Year Scholarships

These Scholarships are three in number, as follows:

1 George H. Campbell Memorial Scholarship, of.....	\$200
*1 Mackenzie Scholarship, of.....	100
114 Bruce Scholarship of \$85, tenable for three years.....	255

They are open only to Undergraduates who are just completing the first year of the course in Arts or Science, and are tenable for one year (except the Bruce Scholarship) and are payable in two equal instalments, on October 15 and February 1, the latter payment being conditional on the scholar having made satisfactory progress in his classes. They are awarded on the results of the Sessional Examination returns in courses recommended for first year students (see pages 22-29).

In case a sufficient number of qualified candidates is not eligible for these Scholarships, they may be awarded to other students who are of sufficient merit.

The Sidney C. Oland Scholarship in Classics of \$100 is offered to the student who ranks first in first-class standing in the Advanced Course in Classics of the first year, and who is proceeding to the second year of the course.

The Sidney C. Oland Scholarship in Mathematics of \$100 is offered to the student who ranks first in first-class standing in the Advanced Course in Mathematics of the first year, and who is proceeding to the second year of the course.

The B'nai B'rith Scholarship.—This Scholarship of \$100 in Modern Language and History is awarded, at the end of the first year of the advanced course, to that student whose work has shown the greatest improvement during the year.

Two Howard Murray Bursaries in Classics will be awarded at the end of the first year. No Bursary will be awarded if the candidate already holds scholarships, or other emoluments for the ensuing academic year of \$100 or over.

Second Year Scholarships

The Allan Pellick Scholarship.—This Scholarship was instituted by the North British Society of Halifax, in memory of the Rev. Dr. Allan Poffok. It is of the value of \$200 and will be awarded annually, without restriction as to sex, age or nationality, to the student attaining the highest standing in the five classes which constitute the normal** second year course in Arts or Science. This Scholarship cannot be held along with the N.B.S. Centennial Bursary, or the Jothan Blanchard Bursary. It will be tenable in the third year of the Arts course.

The North British Society Centennial Bursary.††—A Bursary of the annual value of \$100, founded by the North British Society of Halifax, will be awarded biennially. Candidates must be undergraduates in a course in Arts or Science who are just completing two††† years of residence, and must satisfy the test of special eligibility for membership in the North British Society. The Bursary will be awarded to the candidate standing highest in the examinations in any five classes which constitute a normal** second year course in Arts or Science. It is tenable for two years, namely, during the third and fourth years of residence. The next award will be made in May, 1946.

*In the awarding of this scholarship, candidates of the name of Mackenzie, Macless or Fraser will be given the preference.

†Preference will be given to students of Scottish extraction.

††See page 61.

†††See page 62.

§††To hold the scholarship for more than one year the student must have made an average of 60% per cent. in the classes taken in the preceding year.

†††The students who have been admitted by certificate in the second year read "see" for "two."

The Jotham Blanchard Bursary.—This Bursary, being the interest of an endowment of \$1,000, founded by the New Glasgow Literary and Historical Society in memory of Jotham Blanchard, an honoured name in the annals of Fifeau County, will be awarded biennially on the same academic conditions as the North British Society Centennial Bursary. It is tenable during two years, namely, during the third and fourth years of residence. The next award will be made in May, 1947.

The Bruce Bursary.—A Bursary of \$100 tenable during the third year of the Arts and Sciences course will be awarded to a student "of promising abilities but of straitened circumstances."

The Robert Maclellan Scholarship.—A Scholarship of \$150, given by an anonymous donor, "in honour of the late Robert Maclellan, sometime Principal of Fifeau Academy, a most inspiring teacher of the Humanities, and a delightful companion," is offered to the student who ranks first in first-class standing in the Advanced Classics course in the second year and is proceeding to the third year of the course.

The O. E. Smith Scholarship.—This Scholarship of \$500 is awarded to the student with the highest standing at the end of the second year of the Advanced Course in Modern Languages and History to enable that student to study modern languages in Europe during the succeeding long vacation.

Third Year Scholarships

The Khaki University Scholarships.—From the Khaki University and Young Men's Christian Association Scholarship Fund, amounting to \$5,500, which was received from the trustees of the Khaki University, Scholarships of the value of \$100 each, two in number, will be awarded to third year students in Arts and Science, to be held during their fourth year. The award is based on scholastic attainments but preference is given to children of men and women who served overseas.

The I.O.D.E., Evangeline Chapter Scholarship in English.—Preference is given to students of the third year who are making English their principal subject of study.

The Hugh Orasme Fraser Memorial Prize in Advanced Chemistry.—This Award was founded by members of the Class of 1931 upon their graduation, both as their graduation gift to the University and in order to perpetuate the memory of their brilliant and highly respected and beloved classmate who lost his life while engaged in laboratory work in the final year of his Honour Course. The interest on a sum of money, presented by his class for this purpose, will be awarded annually to the student who, at the end of the third year, has, in the opinion of the Department, shown such aptitude for Chemistry as to merit the award, which is tenable in the final year of the undergraduate course.

Third and Fourth Year Scholarships

Public Administration.—Two scholarships of \$200 each are available to students in the last two years of the Honour Course in Public Administration.

The Archibald MacMechan Scholarship in English.—In 1939 the Archibald MacMechan Chapter of the I.O.D.E. offered the University a Scholarship from the interest on funds contributed by former students in

memory of Dr. Archibald MacMechan (1862-1933), Head of the Department of English from 1889 to 1932. When the desired capital sum is complete it will be handed to the University as a permanent endowment of the scholarship. In the meantime, the Chapter is providing from a trust fund an annual scholarship of the present value of \$100.

The scholarship is intended for students who have shown special ability in English and who are looking forward to further study in the field. Provided that suitable candidates offer, preference will be given to graduating students who are looking forward to the Master's degree in English.

Applications will be received by the Head of the Department of English before April 1 in any year.

Other Undergraduate Scholarships and Prizes

The Waverley Prize.—This prize, being the interest of an endowment of \$1,000 for the purpose, will be awarded annually to the student standing highest in Mathematics 2.

The Studley Quoit Club Prize.—This prize, of the value of \$50, is offered by the Studley Quoit Club for the encouragement of the study of Greek and Latin. It will be awarded annually to the student making the highest aggregate in Greek 2 and Latin 2, provided first class distinction is obtained in each class.

The Katherine Buttenshaw Prize.—This prize, being the interest of an endowment of \$1,000 for that purpose, will be awarded annually to the student standing highest in the advanced Mathematics classes.

The Ross Stewart Smith Scholarship.—This scholarship, of the value of \$75, contributed by Mrs. Eliza Cochran Smith in furtherance of the wishes of herself and her late husband, Dr. James Ross Smith, as a memorial to their late son, Ross Stewart Smith, will be awarded to the student whose record in advanced classes shows the most distinct evidence of aptitude for scientific study, and who will remain an undergraduate at the University for the ensuing year.

The James L. Hall Scholarship.—This scholarship of the annual value of \$75, contributed by Mrs. James L. Hall in memory of her husband who was a student at Dalhousie University in the years 1919-21, is awarded to the student who has completed the second year of the Engineering course with Distinction standing. In order to hold this scholarship a student must register for one class in Geology in the third year of his course.

The Physics Scholarship Fund.—An anonymous donor has started a fund to be used to provide scholarships for advanced students in Physics. The awards shall be made on recommendation of the Head of the Department of Physics. The number and size of the scholarships may vary from year to year at the discretion of the Department of Physics.

Application must be made in writing to reach the Head of the Department of Physics before March 1 of any year.

The Howard Murray Prize in Classics.—In 1941 the Department of Classics, through the Board of Governors of the University, received as a legacy from the late Professor Howard Murray, the Department's much beloved Head, the sum of \$12,857, a clause in his will reading as follows:

* To hold the scholarship for more than one year the student must have made an average of 45 per cent in the classes taken in the preceding year.

"I suggest to the said Governors that part of this fund be used to establish a prize of the annual value of \$250, to be known as the 'Howard Murray Prize in Classics'."

The prize has been assigned by the Department, as an encouragement for proficiency, to Latin 3 or 4 or both. To qualify for candidacy a student (of either sex) shall have taken the Distinction work of the course; shall hold no other scholarship or emolument of \$100 or over, and shall, if in his or her last undergraduate year, receive the scholarship only on condition of remaining at the University, or returning to it, for graduate work in Classics.

The Sarah M. Lawson Scholarship in Botany.—This scholarship of approximately \$350 is offered annually to students who have shown special ability in Botany and intend to continue at Dalhousie with further study in the field. Preference will be given to graduating students who are looking forward to the Master's degree or to those entering the final year of an Honours Course. Applications will be received by the Head of the Department of Biology before April 1.

The Henry Offman Bursary.—Through the generosity of Mr. Henry Offman a bursary of \$50 per annum is offered in the Faculty of Arts and Sciences for the sessions 1945-46, 1946-47, and 1947-48, the award to be made on the recommendation of the Committee on Studies to a deserving student of approved academic ability.

The John Hamilton Barrett Prize is the gift of his widow, Mrs. Marjorie Barrett. It is offered annually at the end of the fourth year of the course to the student—being a son of a veteran who served in the Second World War or who himself served in the same war—who has shown exceptional ability in Chemistry or some other science.

Graduation Prizes

Exceptional excellence on graduation is recognized by the award of a Medal. This award signifies that a standard has been reached considerably above that required for High Honours or for Distinction. When a Gold Medal is not obtained under one of the following awards, University Medals of Bronze will be awarded to qualified Distinction or High Honour graduates.

The Governor-General's Gold Medal, offered by His Excellency the Governor-General of the Dominion of Canada, will be awarded to the student who stands first among those taking High Honours in the Department of Classics. In the event of its not being awarded in this Department, it may be awarded in the Department of Latin and English, or in that of Greek and English, or in some other department, or to the student who stands highest among those graduating with Distinction, provided always that the standard attained is, in the opinion of the Faculty, sufficiently high.

The Avery Prize.—This prize, being the interest of the sum of \$500 bequeathed for this purpose by J. F. Avery, M.D., will be awarded on graduation to the student standing highest among those graduating with Distinction.

The Sir William Young Gold Medal, founded by bequest of the late Sir William Young, will be awarded on graduation to the student who stands first among those taking High Honours in Mathematics.

The Eric Dennis Gold Medal, founded by Senator William Dennis and Mrs. Dennis, will be awarded on graduation to the student who stands first among those taking High Honours in Government and Political Science.

The Eric Dennis Foreign Scholarship, of a value not less than \$250, founded by Senator William Dennis and Mrs. Dennis, may be awarded on graduation to the student standing highest in the Department of Government and Political Science, provided he attains a sufficiently high standard and obligates himself to pursue at least one year of post-graduate study in the same department of another University approved by the Senate.

The French Government Medal.—This Medal is offered by the French Government (1938) through the Halifax Branch of the Alliance Française to the student who has shown the greatest proficiency in the study of French during the last three years of his or her course.

OPEN TO ALL STUDENTS

(Essays offered in competition must be submitted before March 31.)

W. H. Dennis Prizes for English Compositions

Two Prizes, known as the **Joseph Howe Prizes** are offered for Prose (in any style,—lyric, dramatic, narrative). The First Prize has a value of \$200 in cash. The Second Prize has a value of \$100 in cash.

Two Prizes, known as the **James DeMille Prizes**, are offered for Prose Compositions (which may take the form of short stories, essays, or narrative sketches). The First Prize has a value of \$200 in cash. The Second Prize has a value of \$100 in cash.

All the above Prizes are offered annually, through the generosity of Senator W. H. Dennis.

Mushkat Memorial Essay Prize.—From the interest on a bequest of \$1,000 provided by the will of the late Mr. William Mushkat of Halifax a prize will be awarded annually to students registered in the Faculty of Arts and Sciences. The subject of the essay and the conditions of award will be announced during the session.

The Overseas League Essay Prize.—This prize, being the interest of a fund of \$1,000 given by the Halifax Branch of the Overseas League, will be awarded annually. It will be offered for the best essay on some question, historical or critical, relating to the place of the Overseas Dominions in the British Commonwealth.

The Rhodes Scholarships.—A Rhodes Scholarship is tenable at the University of Oxford and may be held for three years. Since, however, the majority of Rhodes Scholars obtain standing which enables them to take a degree in two years, appointments are made for two years in the first instance, and a Rhodes Scholar who may wish to remain for a third year must present a definite plan of study for that period satisfactory to his College and to the Rhodes Trustees.

Rhodes Scholars may be allowed, if conditions are approved by their own College and by the Oxford Secretary to the Rhodes Trustees, either to postpone their third year, returning to Oxford for it after a period of work in their own countries, or to spend their third year in post-graduate work at any University of Great Britain, and in special cases at any University on the continent of Europe, in the Overseas Dominions, or in the United States, but not in the country of their origin. This privilege of taking the work of the third year away from Oxford is, however, granted only in exceptional circumstances.

The stipend of a Rhodes Scholarship is fixed at £400 per year. At most colleges, and for most men, this sum is not sufficient to meet a Rhodes Scholar's necessary expenses for term-time and vacations, and Scholars who can afford to supplement it by say £50 per year from their own resources will find it advantageous to do so.

Conditions of eligibility:—A candidate to be eligible must:—

1. Be a British subject, with at least five years domicile in Canada and unmarried. He must have passed his nineteenth, but not his twenty-fifth birthday, on October 1 of the year for which he is elected.
2. Have reached such a stage in his course at one of the Universities of Canada that he will have completed at least two years at the University in question by October 1 of the year for which he is elected.

Candidates may apply either for the Province in which they have their ordinary private domicile, homes or residence, or for any Province in which they have received at least two years of their college education before applying.

Basis of Selection.—In that section of the Will in which he defined the general type of scholar he desired, Mr. Rhodes mentioned four groups of qualities, the first two of which he considered most important.

1. Literary and scholastic attainments;
2. Qualities of manhood, truth, courage, devotion to duty, sympathy, kindness, unselfishness and fellowship;
3. Exhibition of moral force of character and of instincts to lead and to take an interest in his schoolmates;
4. Physical vigour, as shown by interest in outdoor sports or in other ways.

Distinction both in character and personality and in intellect is the most important requirement for a Rhodes Scholarship, and it is upon this that Committees will insist. Success in being elected to office in student organizations may or may not be evidence of leadership in the true sense of the word. Mr. Rhodes evidently regarded leadership as consisting in moral courage and in interest in one's fellow men quite as much as in the more aggressive qualities. Physical vigour is an essential qualification for a Rhodes Scholarship but athletic skill is of less importance than the moral qualities developed in playing outdoor games. Poverty does not give a special claim to a Scholarship. The strongest candidate should be appointed regardless of his financial circumstances.

Full particulars can be obtained from G. F. Curtis, 91 Edward Street, Halifax, N. S., Secretary of the Selection Committee for the Province of Nova Scotia.

Each candidate for a Scholarship is required to make application to the Secretary of the Committee of Selection of the Province in which he wishes to compete not later than November 10.

Application forms may be obtained from the Registrar's Office.

NOTE: During the war, special regulations govern whereby, unless special reasons exist, appointments are to postpone their going to Oxford until peace is restored when their position will be reviewed in the light of conditions obtaining then.

1881 Exhibition Science Research Scholarships.—These Scholarships of the value of £275 sterling a year, are tenable for two, or, in rare instances, three years. Additional allowances may be granted in certain cases. They are open to students who are British subjects. A candidate must have been a student of science in a University for a period of not less than three years and must have spent one full academic year ending not more than twelve months prior to the date of recommendation at the University by which he is recommended. Candidates must have shown evidence of capacity for original research. The Scholarships are tenable at any university or other institution approved by the Commissioners. For particulars address the President.

OPEN TO GRADUATES

The Eddy Resident Fellowship for Women.—This Fellowship, of the value of \$500, founded by the Board of Governors in memory of the late Mrs. E. H. Eddy, is offered annually to a graduate of Dalhousie University who shows distinct aptitude for scholarly work in any department of study. It shall be held at this University.

Canadian Federation of University Women Scholarships. The Travelling Scholarship of the Canadian Federation of University Women, value \$1,250, available for study or research work, is open to any woman holding a degree from a Canadian university, who is not more than 35 years of age at the time of award. In general, preference will be given to those candidates who have completed one or more years of graduate study, and who have a definite course of study or research in view. The award is based on evidence of character, intellectual achievement, and promise of success in the subject to which the candidate is devoting herself.

The Junior Scholarship of the Canadian Federation of University Women, value \$500, is open to any woman holding a degree from a Canadian university, who is not more than 25 years of age at the time of award. Preference will be given to students who have studied in only one university and who desire to continue their studies in another.

The proposed place and plan of study or research must be approved by the Scholarship Committee.

Application blanks and further information may be obtained from the Convener of the Scholarship Committee, Dr. Cecilia Krieger, University of Toronto, Toronto, Ont. Applications and recommendations must be received not later than February 1.

The James Gordon MacGregor Memorial Fellowship in Physics.—This Fellowship is awarded annually to a graduate of this or other University. The holder of the Fellowship is required to give twelve hours per week to teaching work in the Department of Physics.

The Belle Crowe Fellowship.—The net income from a bequest to the University under the will of the late Miss Belle Chisholm Crowe of Madison, Wisconsin, formerly of Bruce, N. S., and a student in the University in 1885-86, is devoted to a fellowship in Inorganic Chemistry "to enable a deserving student on his graduation from the University to pursue post-graduate study in Inorganic Chemistry in Dalhousie or another university approved by the Senate or other academic governing body."

Public Administration.—Two scholarships, one of \$350 and one of \$250 may be offered for the year 1945-46 to graduates of Dalhousie or any other Canadian University for graduate study in the field of Public Administration.

Daughters of the Empire Post-Graduate Scholarship (Overseas).—This Scholarship was founded by the Imperial Order Daughters of the Empire, as part of the war memorial of the Order. Nine are offered annually—one for each Province. They are of the value of \$1,400 and have been founded "to enable students to carry on studies at any university in the United Kingdom, in British and Imperial history, the economics and government of the Empire and Dominion, or any subject vital to the interests of the Empire." A candidate must hold a degree from a recognized University or degree-granting College in Canada, and must have done, or be doing, post-graduate work. For further information apply to the Head Office of the Order for Canada, 182 Lewther Ave., Toronto 4, Ont., or to the Provincial Educational Secretary, Mrs. A. R. Jewitt, 142 Oxford Street, Halifax, N. S.

The scholarship may be awarded for a second year to the same candidate, providing his or her record is satisfactory. If there be no first-class candidate, the scholarship shall not be awarded. The appointment is subject to cancellation at any time if the successful candidate does not continue to show fitness to hold the scholarship.

A candidate shall be entitled to apply in the province in which the University from which he or she graduates is situated, irrespective of his or her place of residence in Canada. Candidates living in Prince Edward Island must apply for the scholarship in that Province, but they may attend a university anywhere in Canada.

National Research Council Scholarships.—Bursaries of the value of \$250 will be open to applicants who have graduated with high distinction in scientific study. By arrangement with the National Research Council Dalhousie University will waive all tuition fees.

Studentships of the value of \$650 will be open to applicants who have had experience in research work in science for at least one year following graduation.

Fellowships of the value of \$750 will be open to applicants who have given distinct evidence of capacity to conduct independent research in science.

The Research Council has instituted Special Scholarships of two classes, to be held at the National Research Council Laboratories in special fields of research in which facilities are not available elsewhere in Canada. Class (a) consists of four Special Scholarships open to applicants who have to their credit at least one year of post-graduate work leading to a Master's degree or equivalent, and whose applications are approved by a Canadian university. They are of the value of \$750 and tenable for twelve months. Although other departments of science are not excluded, applications in the field of engineering will receive preferred consideration. Class (b) consists of two Special Scholarships open to applicants who have completed the work of a Ph.D. and who desire to bridge the gap between their academic training and their employment in industry or elsewhere. They are of the value of \$1,000 and tenable for twelve months.

Applications for all National Research Council Scholarships must be made before March 1 in each year. Detailed information and application forms may be obtained from the Registrar.

Aid Funds

The Elizabeth McKenna Scholarship Fund.—This Fund was instituted in 1928 by Mr. James D. McKenna, of Sussex, N. B., to commemorate the seventieth anniversary of the marriage of his parents, Peter and Elizabeth McKenna, of Dartmouth, N. S. For the present one Scholarship of the value of \$200 will be open to award. It is tenable for one year by a student intending to enter the Faculty of Arts and Science. Applicants must be bona fide residents of one of the Maritime Provinces and in need of financial assistance. Applications, accompanied by certificates showing worthiness, financial circumstances and academic qualifications, must be submitted before September 1, 1945.

University Aid Fund.—This Fund has been established to provide assistance toward the payment of tuition fees for meritorious students who are unable to attend the University without assistance. Applications accompanied by certificates showing worthiness, financial circumstances and academic qualifications, must be submitted before September 1, 1945.

The Leonard Foundation, created by Lieut.-Col. and Mrs. R. W. Leonard, of St. Catharines, Ont., has established a number of Scholarships, tenable at certain specified colleges, of which Dalhousie is one, for selected students of certain defined classes. Applications must be in the hands of the Foundation on or before March 31. For detailed information and application forms for either new grants or renewal of previous grants address the Registrar.

SUMMARY OF TRAINING PROVISIONS OF THE POST-DISCHARGE RE-ESTABLISHMENT ORDER P.C. 8210

Department of Veterans Affairs University Training

I. Under-graduate—Para. 8, P.C. 8210

The Minister has authority to approve training, including maintenance grant and fees—together with appropriate allowances for dependents—for any discharged person who has the aptitude and inclination and who:

- (a) has been regularly admitted to a university before his discharge and resumes within one year and three months after discharge a course, academic or professional, interrupted by his service; or
- (b) becomes regularly admitted to a university and commences any such course within one year and three months after his discharge; or
- (c) because of ill health or because his admission to the university has been conditional upon his fulfilling some additional matriculation requirements or for any other good reason shown to the satisfaction of the Department, delays resumption or commencement of such course beyond the aforementioned periods.

The period of assistance in university training is governed by the length of service. Where progress is satisfactory, the assistance may be continued for as many months, in university, as the man served in the Forces. If the student's progress and

attainments in his course are such that the Department deems it in his interest and in the public interest, the payment of the grant may be extended beyond the period of service to permit the man to complete his course.

However, the grant shall not be continued to any such person who fails in more than two classes or subjects in any academic year, nor to any such person who having failed in either one or two classes or subjects also fails in either or both supplementary examinations next offered by the university in such classes or subjects.

NOTE: "Attainments" means unconditioned standing in the top 25% (first quartile) of his class on the final examinations on the full work of the year next preceding the year in which his period of entitlement expires.

11. Post-Graduate—Para. 9, P.C. 5210

In case any discharged person

- (a) has entered upon a post-graduate course, either academic or professional, in a university before enlistment, or was about to do so at the time of his enlistment, or having completed his under-graduate course in a university after his discharge, enters upon a post-graduate course as aforesaid, and
- (b) resumes or commences such post-graduate course within
 - i. one year from his discharge, or
 - ii. one year from the commencement, next following his discharge, or such course in such university, if his discharge precedes such commencement by not more than three months, or
 - iii. in the case of a discharged person who completes his undergraduate course after his discharge, as soon as may be after such completion. If the Department having considered such person's attainments and his course, deems it in the public interest that he should continue such course, the Department may, subject to the provisions of this Order, authorize the payment to such person of a maintenance grant and fees for as many months as he served. The assistance may be extended if the progress and achievements are so outstanding that it is in the public interest that the grant should be continued.

A candidate with a first degree, B.A., B.Sc., M.D., D.D.S., etc., who applies for further training, academic or professional, in his special field, shall be considered under Paragraph 9, Post-graduate Training.

Where a first degree is required for admission to a professional training school, or faculty, a candidate for such professional training shall be considered under Paragraph 8, Under-graduate Training.

Vocational, Technical or Other Educational Training— Para. 6, P.C. 5210

The Department has authority to approve training, including maintenance grant and fees—together with appropriate allowances for dependents—to any discharged person, provided he has the aptitude and inclination, where such person is pursuing vocational, technical or other educational training; where the Department approves such training as being training which will fit him or keep him fit for employment or re-employment or will enable him to obtain better or more suitable employment; and where he makes progress in such training to the satisfaction of the Department.

'Other Educational Training' provides for

- (1) Resumption of education leading to high school graduation or matriculation, where such training is prerequisite to employment or professional training.
- (2) 'Refresher' or 'brush-up' courses in the professions.

NOTE: The period of training is governed by the length of service. For most types of training the maximum will be twelve months. In instances where the required training exceeds twelve months grants may be continued for a period not exceeding the length of service. In no case shall grants be paid beyond the period of service except in the case of disability pensioners.

Maintenance Grants

Where the discharged non-pensioner is in full-time training, the basic maintenance grant for a single person is \$60.00 per month; married person \$80.00 per month subject to reduction by such amount on account of any wages, salary or other income such person may have received or be entitled to receive in respect of the period for which such grant is paid, as to the Department seems right. Appropriate allowances may be paid on behalf of dependents.

Fees

All Fees and Deposits are payable in advance, and until these are paid, the student will not receive credit for attendance upon any class, nor be admitted to any examination.

For Registration*

Payable by students taking only one class in the University (including Library Fee of \$5.00).....	\$16.00
Payable by students taking more than one class (including Library Fee of \$5.00).....	21.00
Additional, payable by all students registering after 12 noon on last regular registration day, for each day.....	2.00
Additional annual fee charged to students from outside the British Empire entered in professional or pre-professional courses.....	250.00

For Tuition

For each class other than a Commerce class, not involving work in laboratory or draughting-room.....	\$ 25.00
For Education 1.....	27.00
For each Commerce class.....	35.00
**For each draughting-room class.....	35.00
**For laboratory classes in—Geology.....	35.00
“ “ “ “—Biology, Botany, Zoology.....	40.00
“ “ “ “—Physics, Chemistry (other than Chemistry 10).....	45.00
“ “ “ “—Chemistry 10.....	50.00
For course leading to Education Diploma.....	100.00
The inclusive tuition fee for students registered in Commerce for each year is.....	175.00
For students taking one of the regular Engineering courses the tuition fee, including laboratory fee, for the first year will be.....	180.00
For the second year the maximum inclusive fee will be.....	200.00
For the third year the maximum inclusive fee will be.....	225.00
For students taking the Fisheries Course the tuition fee will be.....	100.00
For course for M.A. or M.Sc. degree not involving laboratory work.....	75.00
Ditto, involving laboratory work.....	100.00
For changing course of study after October 10.....	1.00

These charges are the same whether the class is attended for all or part of the year.

A class taken a second time is charged for as if taken for the first time, except as stated below:

Up to and including October 10, a student may retire from a class for which he has paid, and his class fee will be refunded; but if he retire after that date, his fee will not be refunded, except as stated below:

If a student is compelled to withdraw from the University, or from a class, before December 1 through illness or for some other equally valid and accepted reason, one-half of his tuition

fees will be refunded. If for like reasons he is compelled to withdraw between that date and February 1, he will be allowed to take his classes a second time at half rates.

No return of fees will be made to any student dismissed from classes or from the University.

For Examinations

An application for Examination must be accompanied by the proper fee.

Matriculation examinations at an outside centre (each).....	\$ 5.00
**Each Supplemental examination in Arts or Science.....	12.00
**Each Special examination in Arts or Science.....	12.00
Examination for the Degree of B.Mus., First Year.....	10.00
“ “ “ “ “ “ Second Year.....	15.00
“ “ “ “ “ “ Third Year.....	20.00
“ “ “ “ “ “ Diploma of L.Mus., First Year.....	10.00
“ “ “ “ “ “ “ “ Second Year.....	15.00
Each Supplemental examination in Music.....	5.00
Examination for the degree of M.A. or M.Sc.....	15.00
Ditto, at an outside centre.....	30.00

For Certificates and Diplomas

An application for a Certificate or Diploma must be accompanied by the proper fee.

*Certificate under the University seal.....	\$ 1.00
B.A., B.Sc., B.Com., B.Mus. Diplomas.....	10.00
L.Mus., Engineering, Education Diplomas.....	5.00
M.A. or M.Sc. Diploma.....	25.00
As student graduate diploma.....	10.00
Additional fee for any degree conferred in absentia at the Spring Convocation.....	10.00

See pages 18 to 30 for

Loan Funds.
Caution Deposit.
Laboratory Deposits.
Fee for support of Student Organizations.

See page 89 for

Education 3B, Travelling and living expenses.

**If a late application is accepted, an additional fee of \$2.00 per day (maximum \$5.00) must be paid.

*A Certificate of Standing is issued on request without charge. Additional copies if required will be issued on receipt of 50c per copy.

†Payable before the final examinations, and returnable in case of failure.

*Students who register only for the purpose of taking examinations are exempt from this fee.

**See Laboratory Deposits, p. 18.

CLASSES OF INSTRUCTION

Biblical Literature.
 Biochemistry: see Chemistry.
 Biology.
 Chemistry.
 Church History: see Divinity, History.
 Classics. (Greek, Latin).
 Commerce.
 Divinity. (Church History, Hebrew, New Testament Greek).
 Drawing: see Engineering.
 Economics and Sociology.
 Education.
 Embryology: see Biology.
 Engineering classes:
 Drawing.
 Mechanics.
 Surveying.
 English Language and Literature.
 Fine Arts.
 French: see Modern Languages.
 Geology and Mineralogy.
 German: see Modern Languages.
 Greek: see Classics, Divinity.
 Hebrew: see Divinity.
 Histology and Embryology: see Biology.
 History.
 Latin: see Classics.
 Law.
 Mathematical Physics: see Physics.
 Mathematics.
 Mechanics: see Engineering.
 Medicine.
 Modern Languages. (French, German, Russian, Spanish).
 Music.
 Pharmacology: see Biology.
 Philosophy. (Philosophy, Psychology).
 Physics. (Physics, Mathematical Physics).
 Physiology: see Biology.
 Political Science.
 Psychology: see Philosophy.
 Russian: see Modern Languages.
 Spanish: see Modern Languages.
 Sociology: see Economics.
 Surveying: see Engineering.
 Zoology: see Biology.

CLASSES OF INSTRUCTION

Biblical Literature

(Not given in 1945-6).

This is a course in literature of the English Bible. The course will consist of the reading and appreciation of many of the finer passages in the Old and New Testaments. Many passages will be memorized. Special attention will be given to the books of the Psalms, Job, Isaiah, which will be treated as complete books, and the design will be to make passages that are read and studied "a possession forever."

Allusions will be made to the historical background of the writer dealt with, and students may find it helpful to consult Sir Frederic Kenyon's *Story of the Bible*, which is an account of how the books of the Bible came down to us. The course, as stated above, is a course in literature, not in history or in biblical criticism.

The class and examination in Biblical Literature conducted by the Faculty of Divinity, King's College, are recognized as qualifying for a degree for those taking the affiliated course for Divinity.

Biochemistry: see Chemistry

Biology

Students intending to major in Biology are advised to include Biology 1 and Chemistry 1 in their first year, and Zoology 2 or 3 or Botany 2 or 3 and Chemistry 4 in their second year.

1. **General Biology.**—Lect.: Tu., Th. and S. at 9 a.m. Lab.: F., 2.30 to 5.30 p.m.; or S., 10 a.m. to 1 p.m. H. P. Bell, D. Pelluet, W. G. Dore.

An introductory class designed to illustrate the fundamental properties of living matter. The laboratory work consists of a study of representative plants and animals.

Botany

Professor.....Hugh P. Bell (Head of Dept.)
Assistant Professor.....W. G. Dore.

2. **General Botany.**—(1945-46). Lect.: M. and W. at 2.30 p.m. Lab.: M. and W., 3.30 to 5.30 p.m. H. P. Bell.

Prerequisite.—Biology 1.

3. **Economic Plants, Their Structure and Use.**—(1946-47). Lect.: Tu. and Th., 2.30 to 3.30 p.m. Lab.: Tu. and Th., 3.30 to 5.30 p.m. H. P. Bell.

Prerequisite.—Biology 1.

4. **General Bacteriology.**—Lect.: Tu. and Th., 9 to 10 a.m. Lab.: Tu. and Th., 10 a.m. to 12 m. W. G. Dore.

Prerequisite.—Biology 1.

5. **Ecology and Physiology.**—Lect.: M., W. and F., 9 a.m. Lab.: M., 2.30 to 5.30 p.m. and field work during the autumn. W. G. Dore.

Prerequisite.—Biology 1 and Chemistry 1.

The effects of environment (climate, soil, temperature, moisture, cultivation, etc.) on the life processes and distribution of plants.

6. **The Flora of Nova Scotia.**—(1945-46). Lect.: Two hours per week. One field trip or one three hour laboratory period per week. W. G. Dore.

Prerequisite.—Biology 1.

Classification and identification of wild plants including seed plants, ferns and mosses. Students wishing to make their own collections for study during the term should consult the instructor before leaving in the spring.

7. **Algology.**—Lect.: Two hours per week. Lab.: Four hours per week. H. P. Bell.

Prerequisite.—Botany 2.

The work of this class is chiefly in the field, and consists of studies in Ecology, with special reference to marine and fresh water algae. The best way to obtain credit for this class is to take the course in Algology given at the Marine Biological Laboratory, Woods Hole, Massachusetts.

8. **Histology of Plant Growth.**—Lect.: Two hours per week. Lab.: Four hours per week. H. P. Bell.

Prerequisite.—Botany 2 or Botany 3.

Zoology

Associate Professors.....F. Ronald Hayes, D. Pelluet.

2. **Comparative Vertebrate Anatomy.**—Lect.: Tu. and Th. at 2.30 p.m. Lab.: Tu. and Th., 3.30 to 5.30 p.m. F. R. Hayes.

Prerequisite.—Biology 1.

3. **Invertebrate Animals, Their Structure, Life History and Parasitic Relations to Man.**—(1946-47). Lect.: M. and W. at 2.30 p.m. Lab.: M. and W., 3.30 to 5.30 p.m. D. Pelluet.

Prerequisite.—Biology 1.

4. **Evolution, Genetics and Experimental Embryology.**—(1945-46). Lect.: M., W. and F. at 12 m. D. Pelluet.

Prerequisite.—Biology 1.

This class consists of lectures on modern biological theories. Oral and written reports will be required of all students.

5. **Experimental Zoology.**—(1945-46). Lect.: Tu. and Th. at 9 a.m. Lab.: Tu. and Th., 10 a.m. to 12 m. F. R. Hayes.

Prerequisite.—Biology 1, Chemistry 1.

This course deals with the nervous system, sense organs and response to stimuli.

6. **Experimental Zoology.**—(1946-47). Lect.: Tu. and Th. at 9 a.m. Lab.: Tu. and Th., 10 a.m. to 12 m. F. R. Hayes.

Prerequisite.—Biology 1, Chemistry 1.

This course deals with the properties of protoplasm, digestion, excretion and respiration.

7. **General Histology and Technique.**—(1946-47). Ten hours per week. Lect.: S. at 9 a.m. Lab.: S., 10 a.m. to 1 p.m.; remaining periods to be arranged. D. Pelluet.

Prerequisite.—Zoology 2 or Botany 2, and permission of the Department. The class is limited to three students. It is advisable to make enquiry in the spring.

8. **Cytology.**—(1945-46). Lect.: Two hours per week. Lab.: Four hours per week. D. Pelluet.

Prerequisite.—Chemistry 4 and Zoology 7.

This class deals with methods of investigating the properties of protoplasm, cells and tissues.

Biological Seminar

Lectures and presentation of papers by members of the staff and senior students. All Honour and Graduate Students must participate.

Summer Courses

Students who complete creditably any of the courses on the curriculum of the Marine Biological Laboratory, Woods Hole, Massachusetts, may, on the recommendation of the Department of Biology, present these courses for credit towards a degree.

Histology and Embryology

The classes in Histology and Embryology given in the Medical Faculty may be offered as one elective for the Arts and Science degrees by those who offer a group in Biology, and for that purpose they are regarded as classes in Biology.

Physiology

Physiology I given in the Medical Faculty may, with the consent of the Department, be offered as an elective.

Pharmacology

A class consisting of one lecture and eight laboratory hours per week will be given by Dr. M. K. McPhail at hours to be arranged, provided that application is made by a sufficient number of qualified students. The class will deal with the physiological responses, in lower animals and in mammals, to important drugs.

Prerequisite.—Zoology 2 and the consent of the instructor.

Chemistry

Professor.....C. C. Coffin (Head of Dept.)
Associate Professors.....H. S. King*, W. J. Chute, M. R. Foran.
Instructor.....T. R. Ingraham.
Demonstrators.....G. B. Vavasour, B. L. Fant, S. Schrage.

1. **General Chemistry.**—Lect.: M., W. and F. at 9 a.m. Lab.: One afternoon per week. M. R. Foran.

Prerequisite.—Matriculation Chemistry or Physics or Mathematics.

This class may be offered as a science elective for an Arts degree and may be taken by those planning to enter a science or professional course.

Text Book: Brinton: *General Chemistry*.
Laboratory Text Book: Bray and Lattimer: *A Course in General Chemistry*.

2. **Elementary Physical and Analytical Chemistry.**—Lect.: Tu. and Fa. at 10 a.m. Lab.: M., 2.30 to 5.30 p.m. C. C. Coffin.

Prerequisite.—Chemistry 1.

Text Books: Bray and Lattimer: *A Course in General Chemistry*. Chapin and Steiner: *Second Year College Chemistry*. Welch: *Intermediate Quantitative Analysis*.

*On leave for the duration.

The laboratory work of this class is a continuation of that of Chemistry 1 plus qualitative analysis and exercises in quantitative analysis. It is designed for those planning to enter professional courses.

3. Lect.: Tu. and Fa. at 10 a.m. Lab.: M., 2.30 to 5.30 p.m., and one after afternoon. C. C. Coffin.

Prerequisite.—Chemistry 1.

Text Books: Bray and Lattimer: *A Course in General Chemistry*. Welch: *Intermediate Quantitative Analysis*. Chapin and Steiner: *Second Year College Chemistry*. Lattimer and Hillbrand: *Reference Book of Inorganic Chemistry*.

The work of this class is that of Chemistry 2 plus three additional hours in the laboratory. It is designed for those who expect to continue with advanced classes in Chemistry.

4. **Organic Chemistry.**—Lect.: M. and W. at 10 a.m. Lab.: W. or F., 2.30 to 5.30 p.m. W. J. Chute.

Prerequisite.—Chemistry 1.

Text Books: Weyl: *Organic Chemistry*. Adams and Johnson: *Laboratory Experiments in Organic Chemistry*.

5. **Physical and Colloid Chemistry.**—Lect.: M. and W. at 9 a.m. Lab.: Two periods per week. C. C. Coffin.

Prerequisite.—Chemistry 2, Physics 1 or 3, Mathematics 2.

Books Recommended: Gernon and Dainton: *Theoretical Chemistry*. Dainton, Mathews and Williams: *Experimental Physical Chemistry*. Handcock: *Chemistry and Physics*.

6. **Advanced Physical Chemistry.**—Hours and tests to be arranged. C. C. Coffin.

Prerequisite.—Chemistry 5.

This class is restricted to those doing honours or graduate work in physical chemistry.

7. **Quantitative Analysis.** M. R. Foran.

Prerequisite.—Chemistry 2.

Text Book: Kolthoff and Sandell: *Textbook of Quantitative Inorganic Analysis*.

Lectures on the general principles of quantitative analysis and nine hours of laboratory work each week.

8. **Advanced Inorganic Chemistry.**—Hours and tests to be arranged.

10. **Advanced Organic Chemistry.**—Two lectures and nine hours laboratory per week. W. J. Chute.

Prerequisite.—Chemistry 4 and 7.

Books Recommended: To be assessed.

11. **Research.**—The work of this class will consist of original investigation by students who have shown themselves qualified.

Biochemistry

The class Biochemistry 1A given in the Faculty of Arts and Science may, with the consent of the department involved, be offered as an elective. (See page 138)

Journal Club.—Meetings are held weekly in the Physics Lecture Room. Students must attend and take part in the presentation of papers.

**Church History : see Divinity, History
Classics**

<i>McLeod Professor of Classics, and Head of Department</i>	
<i>Professor</i>	A. K. Griffin.
<i>Associate Professor</i>	R. E. D. Cawley.**
<i>Assistant Professor</i>	C. A. Roebuck.
<i>Lecturer</i>	J. W. Logan.

Greek

Elementary Greek.—*M. and F. at 10 a.m., Tu. at 3.30 p.m., and Th. at 2.30 p.m.*

This class is intended for beginners in Greek, and for those who have insufficient preparation to enter Greek I. Students whose work is satisfactory will be admitted to a Matriculation examination in Greek held in April. The statement made under Elementary Latin regarding additional work required is applicable here also.

This class may be counted toward a degree by those students who enter with full Matriculation.

Text Book: White: *First Greek Book*. Other books will be announced at the beginning of the session.

1. *Tu., Th. and S. at 10 a.m.* C. A. Roebuck.
Prerequisite.—Matriculation Greek.

Plato: Apology. Euripides: Alceste. Greek Grammar. Greek Prose. Exercises in sight translation.

Books Recommended: Plato: *Apology* (H. Williamson, Macmillan). Euripides: *Alceste* (Haberly, Bell, London). North and Hillard: *Greek Prose Composition* (Livingston, London). Goodwin-Guthrie: *Greek Grammar* (Ginn).

2. *M., W. and F. at 9 a.m.* C. A. Roebuck.
Prerequisite.—Greek I.

Thucydides, Book I (Selected). Homer: Odyssey IX, X, *XII. Greek Grammar. Greek Prose Composition. Exercises in sight translation. Greek History.

Books Recommended: Thucydides, Book I (Marchant, Macmillan). Homer: *Odyssey IX & XII* (Furrin and Seymour, Ginn). G. W. Bonner: *Rollins' History*, revised by C. A. Robinson (Macmillan, New York). North and Hillard: *Greek Prose Composition* (Livingston, London).

3. (1946-47). *M. and W. at 12 m.*
Prerequisite.—Greek 2.

Demosthenes: Philippics I, II. Thucydides: Book I (selected). Euripides: Electra. Homer: *Iliad I, VI, *IX, *X.*

Books Recommended: Demosthenes: *Philippics* (Abbott and Matheson, Oxford Univ. Press, Toronto). Thucydides (Marchant, Macmillan). Euripides: *Electra* (Kean, Bell, London). Homer: *Iliad, Vol. I* (Owens, Cambridge Univ. Press).

4. (1945-46). *M. and W. at 12 m.*
Prerequisite.—Greek 2.

Plato: Republic I; *Crito. Aristophanes: Clouds. Homer: *Iliad, XXII, XXIV, *XXIII.* Greek Prose Composition. Exercises in sight translation.

Books Recommended: Plato: *Republic I-V* (Adams, Cambridge Univ. Press); *Crito* (Kean, Macmillan, Toronto). Homer: *Iliad, Vol. II* (Owens, Cambridge Univ. Press). Aristophanes: *Clouds* (Murray, Oxford Univ. Press).

5. (1946-47). *Hours to be arranged.*

Thucydides, Book II. Aeschylus: Prometheus Bound; *Eumenides. Aristophanes: Frogs; *Knights.

6. (1945-46). *Hours to be arranged.*

Plato: Republic II-IV. Demosthenes: De Corona. Herodotus: Books VII-IX. Sophocles: Antigone. Theocritus: Selections. Homer: *Odyssey, IX-XII.

A portion only of the work prescribed for Greek 5 and 6 will be read in class.

7 and 8. Plato: *Republic V-X* (selected). Aristotle: *Poetics; Ethics* (Four books). Thucydides: Books VI, VII. Aeschylus: *Agamemnon*. Lyric Poets (selected). Pindar: *Odes* (selected). Euripides: *Medea*.

In all Greek examinations one or more passages from books not prescribed will be set for translation at sight.

Latin

Elementary Latin.—*Tu., Th. and S. at 11 a.m. and another hour to be determined after the class is formed.* C. A. Roebuck.

This class is intended for beginners in Latin, and for those who have insufficient preparation to enter Latin I. Students whose work is satisfactory will be admitted to a Matriculation examination in Latin held in April. Those intending to qualify for this examination must do much of the reading by private study, and must devote much more time to the subject outside of class hours than is required in ordinary undergraduate work.

Text Book: Thompson, Tracy and Dugli: *Essential Latin* (Clarke, Irwin & Co.). Other books will be announced at the beginning of the session.

1. *Tu., Th. and S. at 10 a.m.* A. K. Griffin.
Prerequisite.—Matriculation Latin.

Selections from Latin Authors. Latin Grammar. Latin Prose. Exercises in sight translation.

Text Books: *A Latin Reader*, with an Introduction to Roman History (A. Pezic, Oxford Univ. Press). Allen and Greenough: *New Latin Grammar* (Ginn). North and Hillard: *Latin Prose Compositions* (Livingston).

2. *M., W. and F. at 11 a.m.* A. K. Griffin.
Prerequisite.—Latin I.

Livy: Book XXI. Catullus: Selections. Horace: Odes (selected). Vergil: *Aeneid VI.* Latin Grammar. Latin Prose. Exercises in sight translation. Roman Life.

**On leave for the duration.

*For private reading by students seeking Distinction.

*For private reading by students seeking Distinction.

Text Books: *Livy: Book XXI* (Oxford Univ. Press). *Caesars* (Simpson, Macmillan). *Horace: Odes and Epodes* (Smith, Glazier). *Vergil: Aeneid V* (Page, Macmillan). *Allen and Greenough: New Latin Grammar* (Glazier). North and Hillard: *Latin Prose Composition* (Livington).

3. (1946-47). Tu. and Th. at 11 a.m. J. W. Logan.
Prerequisite.—Latin 2.

Pliny: *Letters* (selected). Juvenal: *Satires* (selected). *Further Selections. Latin Prose Composition. Exercises in sight translation.

Text Books: Pliny: *Selected Letters* (Westcott, Allyn and Bacon, New York). Juvenal: *Satires* (Duff, Cambridge Univ. Press).

4. (1945-46). Tu. and Th. at 11 a.m. J. W. Logan.
Prerequisite.—Latin 2.

Cicero: *In Caelium, In Verrem I*. Horace: *Satires and Epistles* (selected); *Further selections.

Text Books: Cicero: *In Caelium, In Verrem I* (Heitland and Coats, Cambridge Univ. Press). Horace: *Satires and Epistles* (Morris, Amer. Book Co.).

5. (1945-46). Hours to be arranged. A. K. Griffin.

Cicero: *Letters* (selected); *Essays* (selected). Vergil: *Georgics II, IV*. Plautus: *Menaechmi*.

6. (1945-47). Hours to be arranged. A. K. Griffin.

Pliny: *Letters* (selected). Cicero: *Essays* (selected). Tacitus: *Annals I, II*. Terence: *Adolphus*. Tacitus: *Agricola*. Juvenal: Selections.

7. Cicero: *de Officiis I*. Tacitus: *Annals III-V*. Horace: *Epistles; Ars Poetica*.

8. Cicero: *Philippics II*. Quintilian: Book X. Ovid: Propertius and Tibullus (selections). Laetorius: Two books.

20. Two hours a week; hours to be arranged.

Selections from Caesar: *Gaulic Wars*; Vergil: *Aeneid*; Ovid: *Metamorphoses*. Latin Prose Composition and sight translation. Lectures in Roman Private Life and Roman Government.

This class is offered for those students who intend to teach Latin in High Schools. It cannot be counted towards the B.A. degree, but it may be counted as an Arts class in partial fulfillment of the requirements for the Diploma in Education.

Text Books: Caesar: *De Bellis Gallicis* (Holmes, Oxford Univ. Press). Vergil: *P. Vergili Maronis Opera* (Sidgwick, Cambridge Univ. Press).
Other texts will be announced during the session.

*For private reading by students seeking Distinction.

Commerce

Professor..... Stewart Bates (Head of Dept.).
Professor of Accounting..... To Be Appointed.

1. Accounting 1.—M., W. at hour to be arranged.
2. Accounting 2.—M., W. and F. at hour to be arranged.
3. Accounting 3.—To be arranged at beginning of Session.
4. Industrial Organization 1.—M., W. and F. at 11 a.m.
Preliminary Reading: Robertson: *Control of Industry*.
5. Industrial Organization 2.—M., W. and F. at 2:30 p.m.
Prerequisite.—Economics 1.
Study devoted mainly to the financial policy of corporations.
6. Statistics.—W. and F. at 12 m.
Prerequisite.—Economics 1 and Mathematics 1.
Text Book: Crum and Patton: *Economic Statistics*.

7. Business Fluctuations.—(1946-47) W. and F. at 2:30 p.m.
Prerequisite.—Economics 1.
Text Book: Haberler: *Prosperity and Depression*.

8. Law Class.—Class to be selected from the courses of instruction offered by the Faculty of Law.

The remaining compulsory and approved classes to be taken to complete the requirements for the degree of Bachelor of Commerce are given in other departments of the Faculty of Arts and Science. (See p. 39).

Divinity

Church History

The class and examination in Church History conducted in the Faculty of Divinity, King's College, are recognized as qualifying for a degree for those taking the affiliated course for Divinity.

Hebrew

The class and examination in Hebrew, conducted at Pine Hill Divinity Hall, Halifax, and those conducted in the Faculty of Divinity, at King's College, are recognized as qualifying for a degree for those taking the affiliated course for Divinity. Similar classes in other theological colleges approved by the Faculty are also recognized for the same purpose.

New Testament Greek

Prerequisite.—Greek 1.

The class and examination in New Testament Greek conducted at Pine Hill Divinity Hall, Halifax, and those conducted in the Faculty of Divinity, at King's College, are recognized as qualifying for a degree for those taking the affiliated course for Divinity. Similar classes in other theological colleges approved by the Faculty are also recognized for the same purpose.

Drawing: see Engineering

*With the return of the Professor of Commerce from other duties, the Commerce classes will be renewed in full in session 1945-46.

Economics and Sociology

Economics

Professors.....W. R. Maxwell (Head of Dept.), S. H. Prince.

1. Principles of Economics.—Tu, Th. and S. at 11 a.m.

W. R. Maxwell.

2. Modern Economic History.—(1946-47). W. and F. at 11 a.m.

S. H. Prince.

Prerequisite.—Economics 1.

First term: Economic history of Europe since 1750. Second term: Economic history of Canada and the United States.

Text Books: Ogg and Shoop; *Economic Development of Modern Europe*. Bogart; *Economic History of the American People*.

3. Money, Banking and International Trade.—(1946-47). M., W. and F. at 9 a.m.

W. R. Maxwell.

Prerequisite.—Economics 1.

4. Labour Problems and Trusts.—(1945-46). W. and F. at 11 a.m.

S. H. Prince.

Text Books: Fitch; *The Causes of Industrial Unrest*. Douglas Hitchcock and Atkins; *The Worker in Modern Economic Society*. Jukes and Clark; *The Trust*.

5. Economic Theory.—(1946-47). M. and W. at 11 a.m. W. R. Maxwell.

Prerequisite.—Economics 1.

6. Economic Theory.—(1945-46). M. and W. at 11 a.m.

W. R. Maxwell.

Prerequisite.—Economics 1.

7. Programmes of Social Reconstruction.—(1945-46). Tu, and Th. at 9 a.m.

W. R. Maxwell.

Prerequisite.—Economics 1.

8. Problems of Economic Policy.—(1945-46). Tu, and Th. at 11 a.m.

L. Richter.

Prerequisite.—Economics 1.

Problems of post-war reconstruction; government and business; planning under a system of free enterprise and under socialism; maintenance of full employment; the role of the cooperative movement.

Books Recommended: Lewis; *The Economic Consequences of the Second World War*. Scott and Brady; *Post-war Canada*. Lyons and associates; *Government and Economic Life*. Condliffe and Newman; *The Common Interest in International Economic Organization*. Carr-Saunders; *The Cooperative Movement*.

9. Contemporary Economic Problems.—(1946-47). Tu, and Th. at 11 a.m.

L. Richter.

Prerequisite.—Economics 1.

Books Recommended: Paret; *Economics of Welfare*. Richter; *Union Policies and Industrial Management*. Sir William Beveridge; *Social Insurance and Allied Services*. Lewis; *Economic Consequences of the Second World War*. Brady & Scott; *Canada After the War*.

10. Public Finance.—(1946-47). M. and W. at 10 a.m. S. Bates.

Prerequisite.—Economics 1.

Sociology

Professor.....S. H. Prince.

1. Principles of Sociology.—M., W. and F. at 2.30 p.m.

Text Books: Lundy; *Principles of Sociology* (2nd Ed.). Gillis and Blackmar; *Outline of Sociology* (3rd Ed.). Park and Burgess; *Introduction to the Science of Sociology*. MacIver; *Society: A Text Book of Sociology*.

Special reading list with assignments from works of Giddings, Cooley, Ellwood, Sumner, Ross, Bogardus, Ogden, Lundy and others.

2. The Modern Community.—(1945-46). Tu, and Th. at 2.30 p.m.

Prerequisite.—Sociology 1 or Economics 1.

(i) The Social Population, (ii) Ecological Organization, (iii) Demographic Differences, (iv) Maladjustments and Problems.

Text Books: Ogburn and Neuman; *The Community and Society*. Thomas; *Some Population Problems*. Elliot and Merrill; *Social Disorganization*.

Reference Books: Wright; *Population*. Towner; *Social Problems* (Revised Ed.). Davis; *Problems of City Life*. Sorokin and Zimmerman; *Rural Urban Sociology*. Fairchild; *Immigration*.

Also topical bibliography supplied in class.

3. Social Institutions.—(1946-47). M. and W. at 12 m.

Prerequisite.—Sociology 1 or Economics 1.

The history, development and structure of the chief institutions of social life: family, school, church, shop, state, press, etc.

Text Books: Herlihy; *Social Institutions*. Seligson; *Social Institutions, Origin, Growth and Interactions*. Gansberg, Hollings and Wheeler; *Social Institutions of the Simpler People*. Muller-Lyer; *History of Social Institutions*.

4. Social Legislation.—(1946-47). Tu, and Th. at 2.30 p.m.

Prerequisite.—Sociology 1 or Economics 1.

(i) Philanthropy and Social Politics, (ii) Special Legislative Studies, (iii) Social Legislation in Canada.

Text Books: Calverly; *Principles of Social Legislation*. Jukes; *Governmental Action for Social Welfare*. Keller; *Science of Public Welfare*. Strong; *Public Welfare Administration in Canada*. Neuber; *Social Insurance*. Lipman; *Public Opinion*. Stewart; *Canadian Labour Laws*.

Reference Books: Hertz; *Mechanics of Law-making*. *Statistical Statistics of Canada*.

Anthropology

5. Anthropology.—(1945-46). M. and W. at 12 m.

Prerequisite.—Sociology 1 or Economics 1.

Text Books: Stille; *Physical Anthropology*. Kroeber; *Anthropology*. Winter; *Introduction to Social Anthropology*.

Reference Books: Kroeber and Waterman; *Source Book of Anthropology*. Lewis; *Primitive Society*. Towner; *Social Origins*. Goldenweiser; *Early Civilization*.

6. Social Theory.—(1945-46). Hours to be arranged.

Prerequisite.—Sociology 1.

Text Book: Lichtenberg: *Development of Social Theory*.

Additional readings prescribed from Giddings, Bristol, Bogardus, Barnes and other writers on historical sociology.

Public Administration.

Attention is drawn to the Honours course in Public Administration (Sociology options) for students who desire to prepare themselves to enter welfare divisions of public service.

Social Work.—Students looking forward to professional training in Social Work should, if possible, include in their undergraduate programme a year's work in Political Science, Psychology, Economics and Sociology as well as one or more second courses in the two latter fields. It is also recommended that students shall have completed a year's work in Biology. It is desirable that they possess a reading knowledge of French. Students who have these classes may complete the requirements for a Diploma at the Maritime School of Social Work in less than the normal two-year period of graduate study.

Education

Professor..... A. S. Mowat.

All Education courses, except Education 1, are largely professional in content, and registration in all but Education 1 is restricted to candidates for the Diploma in Education. For the requirements for a Diploma in Education and for a High School Class Licence to teach, see pages 54-55.

1. General Principles of Education.—M., W. and F. at 11 a.m.

Open only to Seniors in Arts or Science and Education Students. This course is the basis of all work in Education and will make other courses in Education more intelligible if it precedes them.

Text Books: A. G. and G. H. Hughes: *Learning and Teaching. Report of the Society Committee of the C. N. E. A.*

2. A. The History of Education.—M. and W. at 10 a.m.

A survey of the history of education in Europe and America, including in particular a study of the historical foundations of modern education.

Text Book: Paul Monroe: *A Brief Course in the History of Education*.

B. Comparative Education.—M. and W. at 10 a.m.

A study of modern school systems in selected countries.

Books of Reference: L. E. Kandel: *Comparative Education*. F. Sandford: *Comparative Education. The Four Books of Education* (Evans).

3. A. Educational Psychology.—Tu. and W. at 9 a.m.

A class in individual and social psychology in relation to the problems of education.

Text Book: W. McDougall: *The Energies of Men*.

Books of Reference: H. E. Garrett: *Class Experiments in Psychology*. Cyril Burt: *The Young Delinquent*. Cyril Burt: *The Backward Child*.

B. The Teaching of School Subjects.—Tu., 10 a.m. to 12 m.

A study of the technique of teaching the subjects studied in the public schools of Canada, based on the Programme of Studies for Nova Scotia. Students are also required to spend additional time on two or more projects in Handwork.

Part of the course will consist of a period of observation and practice teaching in the public schools in Halifax. Each candidate for the Diploma in Education must act as substitute teacher for three full days, without pay other than credit in this course, if asked to do so by the Supervisor of the Halifax Schools.

This class will include a period of Field Work in Education in some selected area of the Province. To cover travelling and living expenses for this course a fee of \$10 is payable at registration.

Text Book: *Handbook in the Course of Study for Nova Scotia*.

Book of Reference: Frank Smith: *The Technique of Class Teaching*.

4. A. Experimental Education.—Th., 9 a.m. to 12 m.

A course in methods of experiment and examination. Intelligence and Scholastic Tests. Statistical Methods. The Use and Abuse of Examinations.

Each member of the class will be required to carry out a piece of individual work in a restricted field of educational theory or practice.

Text Book: M. V. Marshall: *An Introduction to Tests and Testing*.

Books of Reference: H. E. Garrett: *Statistics in Education and Psychology*. Gossett, Jergerman and Gerbich: *Measurement and Evaluation in the Elementary (and Secondary) School*.

B. Seminar.—F. at 10 a.m.

Group discussion. Reviews and reports will be assigned from current periodicals and works in the Education library.

Physical Education

A. Practical.—M. and F. at 9 a.m.

B. A. Balston.

Leading up to the Examination for the Certificate of Physical Training of the Department of Education of Nova Scotia.

B. Theory.—Time to be arranged.

Theory of Physical Training. Hygiene, Human Anatomy and Physiology.

Embryology: see Biology

ENGINEERING CLASSES

(For Time Table of Engineering Classes, see inside back cover.)

Professors..... W. P. Copp (Head of Dept.), H. R. Theakston.

Assistant..... W. H. Bowen.

Drawing

1. Engineering Drawing.—Lect.: Tu. and Th. at 9 a.m. Lab.: Tu. and Th., 2.30 to 3.30 p.m. H. R. Theakston, W. H. Bowen.

This class may be offered as an elective for students proceeding to the degree of Bachelor of Science. Students intending to specialize in Science

are strongly advised by the department to elect this subject, and to take it preferably during the first, but in no case later than the second, year of their course.

Text Book: Glazebrook, Mitchell and Spencer: *Technical Drawing*.

2. **Descriptive Geometry.**—*Lect.*: S, at 9 a.m. *Lab.*: W, 2.30 to 5.30 p.m. H. R. Theakston, W. H. Bowes.
Prerequisite.—Drawing 1 (may be taken simultaneously).

Text Book: Schumann: *Descriptive Geometry*.

3. **Advanced Engineering Drawing.**—*Tu.*, 2.30 to 5.30 p.m.
W. P. Copp, H. R. Theakston.
Prerequisite.—Drawing 1 and 2.

Reference Books: Frazer: *Engineering Drawing*. Smith: *Practical Descriptive Geometry*. Noel Construction, A. I. S. C.

Mechanics

2. **Advanced.**—*W.* and *F.*, at 9 a.m. W. P. Copp.
Prerequisite.—Physics 2, Mathematics 1 and 2.

This class is intended for Engineering students, but may be offered for a degree in Arts or Science.

Text Book: Soley & Estlin: *Analytical Mechanics for Engineers*.

3. **Graphical Statics.**—*Lect.*: M, at 9 a.m. *Lab.*: M, 2.30 to 5.30 p.m.
W. P. Copp.

Prerequisite.—Drawing 1.

Text Book: Malin: *Graphical Statics*.

4. **Mechanics of Machines.**—*Lect.*: M, at 11 a.m. *Lab.*: M, 12 m. to 1 p.m., W, 11 a.m. to 1 p.m. W. P. Copp, W. H. Bowes.
Prerequisite.—Drawing 1, Physics 2, Mathematics 1 and 2.

Text Book: Gulliet: *Kinematics of Machines*.

5. **Materials of Construction.**—*F.*, at 11 a.m. W. P. Copp.
Text Book: Mills: *Materials of Construction*.

Surveying

1. **Elementary.**—*Tu.*, at 10 a.m. *One lecture per week to first year students in preparation for the Surveying Camp.* W. P. Copp.

Prerequisite.—Matriculation Mathematics.

Text Book: Reed and Hamer: *Elementary Surveying*.

2. *Lect.*: S, at 10 a.m. *Lab.*: Tu, 2.30 to 5.30 p.m.
W. P. Copp, W. H. Bowes.

Prerequisite.—Surveying 1, Drawing 1, Mathematics 1 and 2. (Mathematics 2, however, may be taken simultaneously.)

Surveying Field Work. About three weeks immediately preceding the opening of the seasonal lectures. This part of Surveying 2 is carried on in a united Surveying Camp, conducted under the auspices of the Nova Scotia Technical College in the grounds of the Agricultural College, Truro.

Text Book: Reed and Hamer: *Elementary Surveying*.

English Language and Literature

Professor..... C. L. Bennett (*Head of Dept.*)
Associate Professors..... Burns Martin, A. R. Jewitt.

English 1 and IA.—*M.*, *W.* and *F.*, at 12 m. Burns Martin, A. R. Jewitt.
Prerequisite.—Matriculation English.

Only one of English 1 and IA may be offered for a degree. Both may be counted towards the Engineering Diploma as first or second year classes.

1. (For all students taking a first year class in English for the degree of B.A.)

An introduction to English Literature through the great writers. Written exercises will be required throughout the session. Conferences for discussion of assigned readings and exercises may be required.

Text Book: *College Survey of English Literature; Language in Action. The Meaning in Reading* (with Exercises and Tests).

IA. (May be taken as a first year class for the degree of B.Sc. and as a pre-professional class not leading to a degree in Arts or Science.)

An introduction to English literature, with selected readings from modern authors.

Text Books: To be announced.

In this class all students will be required to show that they have read the following novels: Halliburton: *Sam Slick* (ed. Baker); Wharton: *Ethan Frome*; Hardy: *The Return of the Native*; Butler: *The Way of All Flesh*.

2. **The Renaissance; Shakespeare; Milton; The Bible in English Literature.**—*M.*, *W.* and *F.*, at 12 m. C. L. Bennett.

Prerequisite.—English 1.

Text Books: *Bardic Colls; Shakespeare (Plays and Commentary); Milton: Selections* (ed. Henslow). *The Pocket Bible*.

Plays for special study: *Romeo and Juliet; Richard II; Hamlet; Cymbeline*.

For Distinctions: *Richard III; Twelfth Night; Macbeth; The Winter's Tale*. An essay to be assigned by the instructor.

Compositions: Twenty exercises in expository writing based on the work of the class.

Reference book for theme-correction: Forster and Steadman: *Writing and Thinking*.

In this class all students will be required to show that they have read in the first term one of the following novels: *Roscoe: The Cloister and the Hearth*; or, *George Eliot: Romola*.

3. **Middle English.**—(1946-47). *Hours to be arranged.* A. R. Jewitt.
Prerequisite.—English 2.

English Language and Literature from 1100 to 1500, with emphasis on the poetry of Chaucer.

Text: *Chaucer: Ed. Robinson; First Poemas (B. Text); ed. Shewell*; Selected readings from assigned Middle English texts.

4. Nineteenth Century Literature.—(1946-47). Tu. and Th. at 11 a.m. C. L. Bennet.

Prerequisite.—English 2.

An historical and analytical introduction to Romantic poetry and literary criticism.

The Pre-Romantic Poets; Wordsworth; Coleridge; Shelley; Keats; Byron; Scott; Hazlitt; Lamb; deQuincy.

Texts and Text Books: *Poetry and Prose of the Romantic Movement* (Wood); or, *English Romantic Poets* (Bogdan, Book and Space).
For Distinction: An essay on a subject assigned by the Instructor.

5. Nineteenth Century Literature.—(1945-46). Tu. and Th. at 11 a.m. C. L. Bennet.

Prerequisite.—English 2.

Carlyle; Tennyson; Browning; Arnold; Dickens; Thackeray; Ruskin; Newman.

Text Books: Carlyle: *Selected Reviews* (ed. MacMichael); *Poetry of the Victorian Period* (ed. Wood).

Reference Books: *Salisbury: History of Nineteenth Century Literature*. Chesterton: *Victorian Literature*. Elton: *Survey of English Literature, 1830-1880*.
For Distinction, an in English 4.

6. Old English.—(1945-46). Hours to be arranged. A. R. Jewitt.

Prerequisite.—German 1, or the equivalent.

Students intending to take this class must arrange for preparatory reading during the summer.

Texts: Wyatt: *An Anglo-Saxon Reader*. Smith: *An Old English Grammar and Reader*. Right translations from easy texts.

7. Elizabethan Drama.—(1946-47). M. and W. at 9 a.m. Burns Martin.

Prerequisite.—English 2.

A close study of English dramatic literature from Lyly to Shirley (1580-1642), with emphasis on representative texts. The class will be conducted as a seminar. Students intending to take this class are advised to read several of the set plays during the preceding summer.

Text Books: *Shelling and Black: Typical Elizabethan Plays*.

For Distinction: A report on the investigation of a special topic assigned by the Instructor.

8. Canadian and American Literature.—(1945-46). Tu. and Th. at 9 a.m. Burns Martin.

Prerequisite.—English 2.

This is a survey course in English-Canadian and American literature.

Texts: Ellis, Pound and Spink: *A College Book of American Literature, Single Course*. (In Canada, W. J. Gage & Co., Toronto).

Broadus and Broadus: *A Book of Canadian Prose and Verse*. (Macmillan in Canada).

For Distinction: A detailed study of one author or of a movement.

9. Drama.—(Not given in 1945-46). Tu. and Th. at 11 a.m. C. L. Bennet.

Prerequisite.—English 2.

An historical survey of the development of Drama, with emphasis on Modern Drama.

For Distinction: A special study of a selected author, or an investigation of specified texts illustrating the development of drama.

10. Advanced English Composition.—(Not given unless a sufficient number of qualified students shall apply.)

11. Modern Poetry.—(1946-47). M. and W. at 11 a.m. A. R. Jewitt.

Prerequisite.—English 2.

English Poetry from Swinburne to Massfield. Modern American Poetry. Canadian Poetry.

Texts: *Ustermyer: Modern British and Modern American Poetry* (two-volume ed.). Sanders and Nelson: *Chief Modern Poetry of England and America*.

12. The History, Theory and Methods of Literary Criticism.—(1946-47). Hours to be arranged. C. L. Bennet.

Prerequisite.—English 2.

For Honour and M.A. students: others by special permission only.

Text Books: *Salisbury: History of English Criticism*. Coyt: *The Theory of Poetry in England*. Richards: *The Principles of Literary Criticism; Practical Criticism*.

Texts: *English Critical Essays*. "World's Classics," 240, 298, 408.

13. The History of the English Language.—(1945-46). M. and W. at 11 a.m. A. R. Jewitt.

An introduction to the historical study of the sounds, words and forms of English, with emphasis on modern Semantics and the language of literature. Texts and Readings to be assigned. This class is suitable for those who expect to offer English as one of the requirements for the Academic Licence issued by the Department of Education of the Province of Nova Scotia.

Text: *Baugh: History of the English Language*.

For Reference: Tu to be assigned.

14. Poetry and Prose of the English Renaissance.—(1945-46). M. and W. at 9 a.m.

Prerequisite.—English 2.

Text Books: *The Oxford Book of Sixteenth Century Verse*. *The Oxford Book of Seventeenth Century Verse*.

15. English Literature in the Eighteenth Century.—(1946-47). Tu. and Th. at 9 a.m. Burns Martin.

Text Books: Shepard and Wood: *English Prose and Poetry, 1660-1800* (Houghton, Mifflin).
For reference: Alden: *Readings in English Prose of the Eighteenth Century*.

16. The English Novel since 1800. M. and W. at 4:30 p.m. Burns Martin.

Students intending to take this course must see the Instructor during the preceding spring. At least one-half of the novels must be read during the summer. The class is purely a discussion group.

17. Advanced Seminar.—Members of the department are prepared to offer, to properly qualified students, the opportunity to make a special study of the works of a single author of whom a sufficient introductory knowledge has already been obtained. Admission will be strictly limited. The following may be selected: Chaucer; Spenser; Shakespeare; Milton; Dryden; Wordsworth; Arnold; Browning.

18. Old Norse.—Hours to be arranged. A. R. Jewitt.

Text Book: Gordon: *Introduction to Old Norse*.

19. Middle Scots.—Hours to be arranged. Burns Martin.

20. Types of Literature.

A. R. Jewitt.

To be offered in 1945-46, if hours can be arranged, for five or more qualified students.

Prerequisite.—English 2.

An historical, comparative and critical study of the chief types of European literature, excluding the drama and the novel. Texts and translations as in Robbins and Coleman: *Western World Literature*.

Fine Arts

Lecturer.....Donald C. Mackay.*

This class, consisting of about fifty illustrated lectures, will give an outline of the development of sculpture, painting, architecture and the minor arts, with an analysis of their structure and function. The introductory lectures will be related to Archaeology and the study of ancient art. The latter part of the term will be devoted chiefly to the evolution of creative art from medieval to modern times. A well-equipped library and many valuable photographs, colour prints and engravings have been presented by the Carnegie Foundation for the use of members of this class.

Text Book: Gardner: *Art through the Ages* (Harcourt, Brace).

French: see Modern Languages

Geology and Mineralogy

Professor.....G. Vibert Douglas.
Special Lecturer.....Alan E. Cameron.
Student Assistant.....

1. **General Geology.**—Lect.: *M., W. and F.* at 10 a.m. *Field work and Lab.: Tu, and F. afternoons beginning at 2.30 p.m. Field work commences at 2 p.m.* (One afternoon a week is the full requirement.)

2. **Mineralogy.**—Lect.: *Tu.* at 10 a.m., and another hour. *Lab.: M., Tu, and Th., 2.30 to 5.30 p.m.; at least two periods.*
Prerequisite.—Geology 1.

3. **Petrology.**—Lecture and colloquium: *Tu.* 10 a.m. to 1 p.m. *Lab.: W., a.m. and/or p.m.*
Prerequisite.—Geology 1 and 2.

4. **Ore-deposits.**—Colloquium: *Th., 2.30 to 5.30 p.m.*
Prerequisite.—Geology 1.

Senior Classes

5. **Field Geology.**—Conference: *M., p.m. Lab.: Th., a.m. and p.m.*
Prerequisite.—Geology 1, 2 and 3.

6. **Advanced Ore-deposits.**—Conferences and Lab.: *M., a.m. and Tu., a.m. and p.m.*
Prerequisite.—Geology 1, 2, 3, 4 and 5.

*On leave for the duration.

7. **Special Problems.**—Hours to be arranged.
Prerequisite.—Geology 1, 2, 3, 4, 5 and 6.

8. **Experimental Geology.**—Hours to be arranged.
Prerequisite.—Geology 1.

9. **Metallurgy and Geology.**—Hours to be arranged. Alan E. Cameron.

German: see Modern Languages

Greek: see Classics, Divinity

Hebrew: see Divinity

Histology: see Biology

History

Professors.....G. E. Wilson (*Head of Dept.*), A. Stanley Walker.
Special Lecturer.....D. C. Harvey.

1. **History of Europe since the Fall of the Roman Empire.**—*M., W. and F.* at 9 a.m. G. E. Wilson.
Prerequisite.—Matriculation History.

2. **Ancient History.**—(1945-46, and in alternate years). *M., W. and F.* at 10 a.m. C. A. Roebuck.
Prerequisite.—History 1.

3. **Modern England.**—(1946-47, and in alternate years). *M., W. and F.* at 10 a.m. A. S. Walker.
Prerequisite.—History 1.

4. **History of Europe since 1815.**—(1946-47, and in alternate years). *Tu.* and *Th.* at 2.30 p.m. G. E. Wilson.
Prerequisite.—Two classes in History.

This class will be conducted partly by the seminar method, so that book being set, but readings will be assigned on various topics. Some knowledge of the bibliography of the period will be required.

5. **History of Europe, 1715-1815.**—(1945-46, and in alternate years). *Tu.* and *Th.* at 2.30 p.m. G. E. Wilson.
Prerequisite.—Two classes in History.

This class will be conducted like History 4, readings being assigned on selected topics. The chief subjects for study will be the French Revolution and the career of Napoleon.

If possible students ought to read a narrative account of the period before taking the class. For this purpose the following books are recommended.

J. M. Thompson: *The French Revolution* and either A. Fournier: *Napoleon I* or J. H. Rose: *The Life of Napoleon I*.

6. **England under the Tudors.**—(1945-46, and in alternate years). *M. and W.* at 2.30 p.m. A. S. Walker.
Prerequisite.—Two classes in History.

7. **The Fourteenth Century.**—(1946-47, and in alternate years). *M., and W., at 2.30 p.m.* A. S. Walker.
Prerequisite.—Two classes in History.

8. **History of Canada to 1837.**—(1945-46, and in alternate years). *Tu., and Th., at 10 a.m.* D. C. Harvey.
Prerequisite.—History 1.

9. **History of Canada since 1837.**—(1946-47, and in alternate years). *Tu., and Th., at 10 a.m.* G. E. Wilson.
Prerequisite.—History 1.

10. **Seminar Course on Canadian History** with special reference to Nova Scotia. D. C. Harvey.

For Honour and M.A. students. All others must obtain the consent of the instructor.

Prerequisite.—History 8 or 9.

11. **History of the United States to 1865.**—(1946-47). *M., W., and F., at 10 a.m.* G. E. Wilson.
Prerequisite.—History 1.

12. **History of the United States since 1865.**—(1945-46). *M., W., and F., at 10 a.m.* G. E. Wilson.
Prerequisite.—History 1.

13. **History of the Early Aegean: Its Art and Civilization.**—(1946-47). *Hours to be arranged.* C. A. Roebuck.

This course is an introduction to the study of the material remains of Greek civilization and the methods of archaeology. The development of Minoan and Greek architecture, painting and sculpture will be traced and their importance as an aid to the understanding of the culture of the period emphasized.

20. For pre-medical and pre-dental students.—*M., W., and F., at 11 a.m.* A. S. Walker.

A lecture course, with collateral reading and exercises on the history of thought and the influence of science on civilization.

Church History: see Divinity

Latin: see Classics

LAW

Certain classes conducted by the Faculty of Law in the first year of the curriculum, and the examinations conducted in these subjects by the Faculty, are recognized as qualifying for a degree in Arts when offered by a student taking the affiliated course in Law.

Students seeking the degree of Bachelor of Commerce are required to take one class in Law.

Mathematical Physics: see Physics

Mathematics

Professor.....
Associate Professors.....J. G. Adshhead, Charles Walmsey.
Special Lecturer.....W. H. Bover.

1. **Elementary Mathematical Analysis.**—(1) *M., W., and F., at 10 a.m.*; (2) and (3) *M., W., and F., at 11 a.m.*; (4) *Tu., Th., and S., at 10 a.m.*

J. G. Adshhead, C. Walmsey, W. H. Bover.

Prerequisite.—Matriculation Algebra and Geometry.

Algebra, including coordinates, graphs, logarithms, the binomial theorem, introduction to limits, simple infinite series, derivatives and maxima and minima of the simplest functions. Geometry of similar triangles, Plane Trigonometry, including the addition theorems and solution of triangles. Elementary Solid Geometry and Spherical Trigonometry.

Text Book: Memorized Notes.

2. **Calculus.**—(1) *M., W., and F., at 11 a.m.*; (2) *M., W., and F., at 9 a.m.* C. Walmsey.

Prerequisite.—Mathematics 1.

Coordinates in two and three dimensions, including revision of plane and spherical trigonometry. Conics. Differential and integral calculus.

Text Book: Graville, Smith and Longley: Differential and Integral Calculus (1941), Chapters I-XV.

3. **Analysis.**—*Tu., and Th., at 11 a.m.* C. Walmsey.

Prerequisite.—Mathematics 2.

The analytical aspects of Infinitesimal Calculus, including real and complex numbers, series, exponential and hyperbolic functions, power series, Taylor's theorem, elementary Fourier series, properties of functions, systematic integration, approximate integration, gamma integrals and elementary differential equations.

Text Books: Graville, Smith and Longley: Differential and Integral Calculus (1941), Chapters XVI-XXII. Walmsey: Mathematical Analysis.

4. **Geometry.**—*M., and W., at 10 a.m.* J. G. Adshhead.

Prerequisite.—Mathematics 2.

The geometrical aspects of Calculus, with particular reference to three-dimensional ideas and applications to Geometry, Mechanics and Physics, and including quadric surfaces, partial differentiation, multiple and line integrals, Green's theorem, etc.

Text Books: Osmond: Advanced Calculus. Bunting and Torrance: Higher Mathematics.

34. **Tu., Th., and S., at 11 a.m.** J. G. Adshhead.

Prerequisite.—Mathematics 2.

This course will contain a revision and amplification of previous work but it will also include some work that is given in Mathematics 3 and Mathematics 4, such as partial derivatives, multiple integrals, Taylor's theorem, approximate integration, etc. It is arranged for candidates for the Diploma in Engineering.

Text Books: Graville, Smith and Longley: Differential and Integral Calculus. Forrester: Calculus for Technical Students.

Senior Classes

These classes are intended for candidates for Honours in Mathematics, candidates for Honours in allied subjects (e.g., Physics), and for those wishing to take mathematical work in their third or fourth year in the ordinary course in Arts or Science. They are also designed to serve as introductory courses for those who may afterwards undertake post-graduate work in Mathematics. Mathematics 3 and 4 are prerequisite. Each class meets two hours per week, at times to be arranged.

5. Theory of Functions of a Complex Variable.—(1946-47).

C. Walsley.

Conformal representation, conjugate functions, Laplace's equation in two dimensions, Cauchy's theorem on contour integration, theory of residues, singularities, expansions of functions, elements of the theory of doubly periodic functions, multiform functions.

Text Books: Titchmarsh: *Theory of Functions*. Goursat: *Cours d'Analyse*, t. 2. Knopp: *Funktionentheorie*. MacRobert: *Functions of a Complex Variable*. Works by Osgood, Picard, Carathéodory, Whittaker and Watson, Hurwitz and others.

6. Projective Geometry.—(1946-47).

J. G. Adshad.

Text Books: Grassman: *Introduction to Higher Geometry*. Books by Young, Veblen and Young.

7. Theory of Functions of a Real Variable.—(1945-46).

C. Walsley.

Elements of sets of points, convergence of double and simple series, summation of divergent series, Fourier series, Lebesgue integration.

Text Books: Titchmarsh: *Theory of Functions*. Vallée Poussin: *Cours d'Analyse*. Knopp: *Funktionentheorie*. Koebe: *Handbuch der Funktionentheorie*. Titchmarsh: *Theory of Functions*. Works by Hobson, Board, Zygmund, Lebesgue, Saks, Townsend and others.

12. Differential Equations.—(1945-46).

J. G. Adshad.

This course will take up the work of differential equations as begun in Mathematics 3 and will mainly discuss ordinary differential equations, and, in particular, linear equations. Surface and volume integrals will be treated in more detail than in Mathematics 4. Laplace's equation will be discussed and solutions found of the hypergeometric equation and the equations of Bessel and Legendre.

Text Books: Ince: *Ordinary Differential Equations*. Poole: *Linear Differential Equations*. Agar: *Differential Equations*. Flügge: *Differential Equations*. Bateman: *Differential Equations*. MacRobert: *Spherical Harmonics*. Hobson: *Spherical and Ellipsoidal Harmonics*. Gray and Mathews: *Treatise on Bessel Functions*.

If required, other classes may be arranged, such as Mathematics 5, 9 and 10 below. Students wishing to attend any class of this nature should consult the Department of Mathematics.

8. Differential Geometry of Curves and Surfaces.

Text Books: Grassman: *Differential Geometry*. Books of reference by Vallée, Poincaré, Goursat, Darboux, Eisenhart.

9. Selected topics in Modern Analysis.

10. Non-Euclidean Geometry.

Seminar.—F, at 3.30 p.m., or time to be arranged.

Special consideration of topics suggested in advanced courses, or in independent reading, including the reading of papers by students. The Seminar should be attended by all students taking any of the above Senior classes.

Mechanics: see Engineering

Medicine

Certain classes conducted by the Faculty of Medicine in the first year of the curriculum, and the examinations conducted in those subjects by the Faculty, are recognized as qualifying for a degree in Arts when offered by a student taking the affiliated course in Medicine.

Modern Languages

Professor.....	Lothar Richter.
Associate Professors.....	C. H. Merceur, Germaine Lafeuille.
Lecturer.....	
Special Lecturer.....	Johanna Richter.

French

For students who require it the Department will recommend accredited tutors.

To those who have had no opportunity to acquire a correct pronunciation, the following book is recommended: William A. Niese and Ernest H. Wilkins: *A Handbook of French Phonetics* (Henry Holt and Co., New York).

Elementary French.—T₁ and T₂ at 12 m. (provisionally), and at other hours to be arranged.

For students who have not had an opportunity to complete their preparatory study of French at school.

Text Books: To be announced.

1. (1) T₁, T₂, and S. at 9 a.m.; (2) T₁, T₂, and S. at 11 a.m.

C. H. Merceur.

Prerequisite.—Matriculation French.

Text Books: Traffic: *Cours moyen de français* (Clarke, Irwin). Jannet: *Initiative Reading in French* (Coop, Clark). Barson: *Standard French Reading* (Heath). Linguaphone Conversational Course. Desnos: *Petit manuel de la civilisation française* (Heath). Doulos: *Modern French Grammar* (Heath), required for reference.

2. General Introduction to French Literature.—(1) M., W. and F. at 10 a.m.; (2) T₁, T₂, and S. at 9 a.m.

G. Lafeuille.

Prerequisite.—French 1.

This course is designed to develop ability to read French through the comprehension and assimilation of texts of progressive difficulty.

3. **Oral and written self-expression and practice.**—Tu. and Th. at 3.30 p.m. G. Lafaille.

This course should be the next step for the students of French 2 who wish to carry on with oral and practical use of French as an ultimate objective. It is recommended also to students more interested in literature but who wish to be trained to speak French and to develop their ability to read it.

A reading list will be issued at the beginning of the year including the most recent interesting books published in French.

Senior Courses

Prerequisite.—French 2.

4. **"Le Grand Siècle."** History of French literature During the XVIIIth Century, 1610-1715.—(1945-46).

Tu. and Th. at 4.30 p.m. G. Lafaille.

5. **History of French literature from the beginning of the XVIIIth century to the romantic movement.**—(1946-47). Tu. and Th. at 4.30 p.m.

Lectures, collateral reading, reports.

6. **History of French literature, XIXth century.**—(1946-47). Tu. and Th. at 10 a.m. G. Lafaille.

7. **French literature under the Third Republic, 1870-1940.**—(1945-46). Hours to be arranged.

8. **Old French.**—(1945-46). Hours to be arranged.

Prerequisite.—A course in Latin and a reading knowledge of modern French.

Lectures will treat briefly the development of French from Latin. Texts will be translated and attention given to the historical and literary background.

This course will be given in English and is open to students specializing in English.

N.B.—French 3, 5 and 7 will be conducted entirely in French. French 2 will be partly in English, partly in French.

German

German A.—M., W., and F., at 11 a.m. C. H. Mercer.

For students who have not had an opportunity to complete Matriculation German in school. Students who enter this class with credit for complete matriculation including two foreign languages may count a pass as credit towards a degree.

Text Books: Schlösser: *Exploring German*, Alternate Edition (Macmillan). Winer: *Practical Talks* (Pittman). Heath: *Graded Readers*. Thoma: *Lesenbuch* (Heath). *Practical Dialog Talks* (Harper).

German I.—Tu., Th. and S., at 9 a.m. or at hours to be arranged.

J. Richter.

Prerequisite.—Matriculation German.

This course is designed to familiarize the students with spoken and written German. Short pieces of German literature will be read.

Text Book: Se: *Intensiv: Conversing German* (Macmillan). A reading list will be issued.

2. **M., W., and F., at 2.30 p.m.**

C. H. Mercer.

Prerequisite.—German A or 1.

Text Books: Chiles and Wicks: *First Book in German Class*. Barthold: *Vier Monate Lateinisch* (Heath). Haef: *Die Klassen* (Heath). Fidler: *Stunde-Gespräche* (Heath). Collins: *Every German Speaks German*. Practical Dialog Talks (Harper).

3. **German Science Reading.**—M. and W., at 12 m. L. Richter.

Prerequisite.—German A or 1, or equivalent reading knowledge of German.

This course is designed to enable science and pre-medical students to use scientific texts.

Text Book: *Wd: An Anthology of Scientific German* (Oxford Univ. Press).

4. **Conversation and Composition.**—Hours to be arranged.

Prerequisite.—German 2, or equivalent.

This course should be taken by students who wish to develop ability to speak German and to understand the spoken word. Texts of progressive difficulty will be read and essays will be written. This course is also recommended to students planning to take later advanced work in German.

Text Book: To be announced. A reading list will be issued.

5. **German Literature in the XVIIIth Century.**—(1946-47). Hours to be arranged. J. Richter.

Prerequisite.—German 2, or equivalent.

Poetry, prose and drama will be read. Among the dramas there will be: Lessing: *Nathan der Weise*. Goethe: *Faust I*. Schiller: *Wallenstein*. Supplementary reading for Distinction will be arranged individually.

6. **German Literature in the XIXth Century.**—(1945-46). Hours to be arranged. J. Richter.

Prerequisite.—German 2, or equivalent.

Of the dramatists of that period Kleist and Heibel will be read, and of the novelists and lyricists, Eichendorff, Gottfried Keller, Caspar Ferdinand Meyer, Storm and Hoff. Text Books as in German 4.

Supplementary Reading for Distinction will be arranged individually.

7. **German Contemporary Prose.**—(1946-47). Hours to be arranged. J. Richter.

Prerequisite.—German 2, or equivalent.

Novels of Thomas Mann, Hermann Hesse, Hermann Stehr, Wilhelm Schafer, Heinrich Carossa, Hans Grimm and others will be read.

Supplementary Reading for Distinction will be arranged individually.

8. **German Mediaeval Literature.**—(1945-46). Hours to be arranged. J. Richter.

The course will be given only if a sufficient number of students offer. Prerequisite.—German 2, or equivalent.

N.B.—German 5, 6, 7, 8 will be conducted entirely in German; German 1 and 4 will be partly in English, partly in German.

Russian

Elementary Russian.—*M., W. and F. at 4.30 p.m. and another hour to be decided.* I. Coffin, A. K. Griffin.

This class is intended for those beginning the study of the Russian language. It may be counted as a credit towards a degree by those students who enter it with complete matriculation standing.

Text Books: *Senecoff: A New Russian Grammar, A First Russian Reader* (J. M. Dent & Sons, London, and E. P. Dutton & Co., New York).

Russian 1.—Three hours a week. Times to be arranged.

Prerequisite.—Elementary Russian.

Selections from Russian Authors, Russian Grammar, Russian Composition, Russian Conversation.

Text Books: *Senecoff: A New Russian Grammar*, (J. M. Dent & Sons, London, and E. P. Dutton & Co., New York); *J. Z. Patrick: An Elementary Russian Reader, An Advanced Russian Reader*, (The Isaac Pitman & Sons (Canada) Ltd.).

Spanish

Spanish 1A.—*M., W. and F. at 10 a.m.* C. H. Mercer.

Prerequisite.—Complete matriculation standing.

Students who enter this class with credit for complete matriculation, including two foreign languages, may be able, with additional work and by reaching a sufficiently high standard, to count a pass as credit for the B.A. degree.

Text Books: *Shaw and Mages: Shorter Spanish Grammar* (Ginn), *Forrester and Lofy: Fables of Mexico* (Heath), *Castillo and Sparkman: Spanish Legends* (Heath), *Remembrance* (Heath), *El Bico* (Heath).

1B. Hours to be arranged. C. H. Mercer.

Prerequisite.—Matriculation Spanish.

Text Books: *Hills and Ford: Spanish Grammar for Colleges* (Heath), *Robles: Cuentos Españoles* (Heath), *Talavera: Cuentos Alegres* (Heath), *Lingaphone Conversational Course*.

2. *M., W. and F. at 3.30 p.m.* C. H. Mercer.

Prerequisite.—Spanish 1A or 1B.

Text Books: *Pittari and Green: Spanish Course of Spanish*, *Castillo: Le Repas* (Pittari) (Heath), *Adams: Popular Spanish Readings* (Crofts), *Lingaphone Conversational Course*, *La Prensa* (Spanish newspaper).

3. (1945-46). *W. and F. at 4.30 p.m.* C. H. Mercer.

Prerequisite.—Spanish 2.

Text Books: *Crawford: Un Viaje por España*, *Luzia: Correspondencia Comercial* (Silver, Burdett), *Wilman: An Omnibus of Modern Spanish Prose*, *Lingaphone Conversational Course*, *Spanish*, *La Prensa* (Spanish newspaper).

4. (1946-47). C. H. Mercer.

Prerequisite.—Spanish 2.

Text Books: *Riviera: Libro de Temas Castellanos* (Heath), *Luzia: Correspondencia Comercial* (Silver, Burdett), *Landesberg: Libro de Mar* (Crofts), *Wilman: Antología de Cuentos Americanos* (Heath).

5. History of the Spanish Language.—Hours to be arranged.

C. H. Mercer.

Text Books: *R. Menéndez Pidal: Manual de gramática histórica española. Poesía de un Cid, Clásicos castellanos*, Madrid, 1926. *Berros: Mitología de nuestra remota, Clásicos castellanos*, Madrid, 1922.

Additional for Distinction: *C. H. Grainger: An Introduction to Vulgar Latin. Old Spanish Readings* (J. D. M. Ford).

Music

Lecturer..... Harry Dean.

Music 1.—Harmony and Analysis of Musical Form.

Music 2.—History of Music, Appreciation of Music, Public School Music. Sight-singing and Ear-training.

These classes are given only if a sufficient number of students apply for them.

Philosophy

Professor..... H. L. Stewart (Head of Dept.)
Associate Professor..... F. H. Page.

1. Logic and Psychology.—*Tu., Th. and S. at 9 a.m.*

H. L. Stewart, F. H. Page.

Text Books: *Logic: Collected: Introductory Logic*, *Psychology: Woodworth: Psychology*, Fourth Edition.

2. History of Greek Philosophy.—(1945-46). *W. and F. at 3.30 p.m.* H. L. Stewart.

Prerequisite.—Philosophy 1.

Text Books: *Plato: Republic, Phaedo, Apology, Theaetetus, Aristotelis: Ethica*, *Rapier: Student's History of Philosophy*, *Taylor: Aristotle as his Professors*.

3. Ethics.—(1945-46). *Tu. and Th. at 11 a.m.* H. L. Stewart.

Prerequisite.—Philosophy 1.

Text Books: *Plato: Republic*, *J. V. Butler: Sermon*, *Macneil: Manual of Ethics*, *MIB: Utilitarianism*, *Sidgwick: History of Ethics*. Reference will also be made to *Kant: The Theory of Good and Evil*, and to Moore: *Principles Ethics*.

4. History of Moral Ideas.—(1946-47). *Tu. and Th. at 11 a.m.* H. L. Stewart.

Prerequisite.—Philosophy 1.

Text Book: *Lucky: History of European Moral*. Reference will frequently be made to *Westermarck: Origin and Development of the Moral Ideas*.

5. Metaphysics.—(1946-47). *Th. and S. at 10 a.m.* H. L. Stewart.

Prerequisite.—Philosophy 1.

Text Book: *Taylor: Elements of Metaphysics*.

6. History of Philosophy from Bacon.—(1946-47). *W. and F. at 3.30 p.m.* H. L. Stewart.

Prerequisite.—Philosophy 1.

Text Books: *Bacon: Novum Organum*, *Locke: Essay on the Human Understanding*, *Berkeley: Dialogues*, *Ho Eding: History of Modern Philosophy*.

7. **British Philosophy in the Nineteenth Century.**—(1945-46).
7A, and S. at 10 a.m. H. L. Stewart.

Prerequisite.—Philosophy 1.

8. **Philosophic Ideas in Literature.**—(1945-46). W. and F. at
2.30 p.m. H. L. Stewart.

The class will include a study of philosophic ideas in Tolstoy, Hardy, Anatole France, H. G. Wells, Ibsen, Morley, Frederic Harrison, Mrs. Humphry Ward, Rabindranath Tagore, Wilfrid Ward, George Meredith and G. Bernard Shaw.

Psychology

Associate Professor..... F. H. Page.

1. **General Psychology.**—See Philosophy 1.

2. **Social Psychology.**—(1945-46). M. and W. at 10 a.m.

Prerequisite.—Philosophy 1.

Text Books: McDougall: *Introduction to Social Psychology*. Allport: *Social Psychology*. Klutznick: *Social Psychology*. Murphy and Newcomb: *Experimental Social Psychology*.

3. **Child Psychology.**— M. and W. at 9 a.m.

Prerequisite.—Philosophy 1.

Text Books: Mussen: *Child Psychology* (Revised Edition). Brooks: *Child Psychology*. Stern: *Psychology of Early Childhood*. Koffka: *Growth of the Mind*. Green: *Infancy and Human Growth*. *Handbook of Child Psychology*, ed. Mussen.

4. **Abnormal Psychology.**—(1946-47). M. and W. at 10 a.m.

Prerequisite.—Philosophy 1.

Text Books: Fisher: *An Introduction to Abnormal Psychology*. Hollingworth: *Abnormal Psychology*. Dornes and Shaffer: *Textbook of Abnormal Psychology*. Shaffer: *The Psychology of Adjustment*. McDougall: *Outline of Abnormal Psychology*.

5. **Psychophysical Problems.**—(1945-46). T. v. and T. A. at 10 a.m.

Prerequisite.—Philosophy 1.

A discussion of the theories of the relation between mind and body and of the nature of personality.

Books Recommended: McDougall: *Body and Mind*. Broad: *Mind and its Place in Nature*. Russell: *Analysis of Mind*.

6. **History of Psychology.**—(1946-47). T. v. and T. A. at 10 a.m.

Prerequisite.—Philosophy 1.

Theories of the mind from Aristotle to the present day, including the current systems.

Reference Books: Brett: *History of Psychology*, 3 vols. Reed: *The Classical Psychologists*. Murphy: *Historical Introduction to Modern Psychology*. Berlin: *History of Experimental Psychology*. Woodworth: *Contemporary Schools of Psychology*.

Physics

Professors..... H. L. Bronson (*Head of Dept.*), J. H. L. Johnston,*
Associate Professor..... W. J. Archibald,
Lecturers..... V. D. Crawford,
Demonstrators..... A. G. Bailey, E. J. Cault.

Physics 1 and 2 are first courses in Physics, and no student is permitted to include both for a degree. Physics 1 is intended for Arts and Science students, and for those intending to proceed to the study of Medicine and Dentistry. Physics 2 must be taken by all Engineering students. It should be taken by students in Arts and Science who intend to major in Mathematics, Physics or Chemistry.

1. **General Physics.**—Lect.: M., W. and F. at 11 a.m. Lab.: Three hours per week. W. J. Archibald.

Prerequisite.—Matriculation Trigonometry or Mathematics 1, which may, however, be taken at the same time.

Text Book: Black: *College Physics*.

2. **Mechanics, Hydrostatics, Heat, Light and Sound.**—Lect.: M., W. and F. at 10 a.m. Lab.: F., 2.30 to 5.30 p.m., but other hours may be arranged. H. L. Bronson.

Prerequisite.—Mathematics 1, which may, however, be taken at the same time.

Text Books: Kinoshita: *College Physics*, 5th Edition.

3. **Electricity and Magnetism.**—Lect.: T. v. and T. A. at 9 a.m. Lab.: W., 2.30 to 5.30 p.m. H. L. Bronson.

Prerequisite.—Physics 1 or 2, and Mathematics 2, which may, however, be taken at the same time.

Text Book: Kinoshita: *College Physics*, 5th Edition. Brown: *Electricity and Magnetism*.

4. **Heat and Light.**—Lect.: W. and F. at 9 a.m. Lab.: M., 2.30 to 5.30 p.m. V. D. Crawford.

Prerequisite.—Physics 1 or 2 and Mathematics 2, which may, however, be taken at the same time.

Text Books: Valasek: *Elements of Optics*. Hart: *An Introduction to Advanced Heat*.

5. **Physical Optics.**—Hours to be arranged.

Prerequisite.—Mathematics 2, Physics 4.

Text Books: Wood: *Physical Optics*. Schuster: *Physical Optics*.

6. **Electricity and Magnetism.**—Lect.: T. v. and T. A. at 10 a.m. Lab.: M., 2.30 to 5.30 p.m., or to be arranged. H. L. Bronson.

Prerequisite.—Mathematics 2, Physics 3.

Text Book: Gilbert: *Electricity and Magnetism*.

*On leave for the duration.

7. **Thermodynamics and Kinetic Theory of Gases.**—Hours to be arranged. W. J. Archibald.

Prerequisite.—Mathematics 2, Physics 4.

Text Books: Roberts: *Heat and Thermodynamics*. Losh: *Kinetic Theory of Gases*. Zemansky: *Heat and Thermodynamics*.

11. **Advanced Practical.**—Six hours per week.

Prerequisite.—Physics 2 and 3.

The work of this class consists of the investigation of physical laws of a more complex kind than in Physics 2 and 3, and a greater degree of precision will be expected in the determinations made.

12. **Research Course.**—At least ten hours per week.

The work will consist of new investigations conducted by students who show sufficient ability and are otherwise qualified to undertake it.

Seminar and Journal Club.—Tw. of 5 p.m.

Lectures on recent developments in Physics and Chemistry; presentation of papers by senior students; reviews of current journals. All Honour and Graduate students are required to attend.

Mathematical Physics

Professor.....G. H. Henderson.*

13. **Modern Physics.**—Two hours lectures and one laboratory period.

Prerequisite.—Two classes in Physics.

An introductory course, treating from the experimental side such topics as electrons, radio activity, X-rays and the structure of matter.

14. **Mechanics.** W. J. Archibald.

Prerequisite.—Mathematics 2 and Physics 2.

A general class in statics and dynamics applied to particles and rigid bodies, conducted chiefly by problem work.

Books Recommended: Lamb: *Statics*; *Dynamics*.

15. **Advanced Mechanics.**

Prerequisite.—Physics 14.

A continuation of the previous class.

16. **Introduction to Mathematical Physics.** W. J. Archibald.

Prerequisite.—Mathematics 3 and Physics 6.

17. **Mathematical Physics.**

Prerequisite.—Physics 16.

Book Recommended: Slater and Frank: *Introduction to Theoretical Physics*.

18. **Quantum Theory.**

Prerequisite.—Physics 7 and 14.

19. **Advanced Electricity and Magnetism.**

Prerequisite.—Physics 16.

Book Recommended: Jeans: *Electricity and Magnetism*.

*On leave for the duration.

Physiology: see Biology

Political Science

Professor.....R. A. MacKay.*
Special Lecturer.....L. Richter.

1. **Government of the British Commonwealth.** (1945-46).
M., W., and F. at 3.30 p.m.

Books Recommended: No text will be prescribed but readings will be assigned from time to time from the following: Ogg: *English Government and Politics*; Darcy: *Law of the Constitution*; Jennings: *The Law and the Constitution*; Cabinet Government; Keith: *The Government of the British Empire*; *Introduction to Constitutional Law*; Kennedy: *Constitution of Canada*; Whomers: *The Senate of Westminster*; Harrold: *Survey of British Commonwealth Affairs*; Problems of Nationality; Dawson: *The Development of Dominion Status, 1900-1936*.

2. **International Relations and Problems.**—M., W. and F. at 12 m.
R. A. MacKay.*

Prerequisite.—Two of Political Science 1, Economics 1, History 1, 4.

Survey of international relations since 1914; foreign policies of the great powers; the British Commonwealth in world affairs; analysis of dynamic factors in international relations such as nationalism, industrialism, imperialism; experiments in international organization; problems of post-war organization.

3. **Federal, Provincial and Municipal Government in Canada.**—(1945-46). M. and W. at 10 a.m.

L. Richter.

Prerequisite.—Two of: Political Science 1, Economics 1, History 1, History 4.

Legal background, form and functions of the three governments and their inter-relations, with special reference to the Maritimes.

Books Recommended: Chikie: *Canadian Government and Politics*; Scott: *Canada Today*; Goldenberg: *Municipal Finance in Canada*.

4. **Principles of Public Administration.**—(1945-47). Hours to be arranged. L. Richter.

Prerequisite.—Political Science 1.

5. **Modern Political Theory.**—M. and W., at 12 m. R. A. MacKay.*

Prerequisite.—Political Science 1, and the consent of the Instructor.

A study of the principal political thinkers since Rousseau, with special attention to the philosophical basis of nationalism, liberalism, socialism, fascism.

*On leave for the duration.

Honour and M.A. Courses

Honour students taking classes numbered 2 to 5 above will be required to do additional work under the direction of the Department.

Honour and M.A. Courses. (Other students with advanced standing may be admitted but no student may register for any of these classes without the consent of the Department.)

10. Introduction to Law and Legislation.

This class may be given in whole or in part in the Law School.

11. Constitutional and Administrative Law.

This class may be given in whole or in part in the Law School.

12. International Law.—This class may be given in whole or in part in the Law School.

13. Problems of Canadian Government and Administration.—

Hours to be arranged.

R. A. MacKay.*

A seminar course covering such subjects as the nature of the Canadian Federal system; problems of governmental regulation of economic activities and of administration of social services in a federal state; Canadian political parties; Dominion-provincial financial relations.

14. History of Political Theory.—*Hours to be arranged.*

R. A. MacKay.*

Given only if sufficient demand.

15. Problems of the British Commonwealth.—Seminar course.

—*Hours to be arranged.*

R. A. MacKay.*

⊕ Intensive study of the relations between member-states of the British Commonwealth of Nations and with other states; India and the dependent Empire.

Psychology: see Philosophy

Russian: see Modern Languages

Spanish: see Modern Languages

Sociology: see Economics

Surveying: see Engineering

Zoology: see Biology

Faculty of Law**Preliminary Statement**

The Faculty of Law was organized in 1883. A curriculum was then prescribed extending over three years and leading to the degree of Bachelor of Laws. The curriculum has been modified from time to time and at present closely corresponds to the Standard Curriculum recommended by the Canadian Bar Association.

A Chair of Constitutional and International Law was endowed by George Munro, of New York, in 1883, as one of his many generous benefactions to the University. Richard Chapman Weldon, Ph.D., was appointed to this Chair in the same year and was made Dean of the Faculty, and held this position until his retirement from teaching in 1914. In 1931 there was established, in memory of the late Dean Weldon, a Chair, the holder of which is called the "Weldon Memorial Professor of Law". The professorship of Contracts was held continuously from the beginning by Dr. Benjamin Russell, lately one of the Justices of the Supreme Court of Nova Scotia until 1921. In 1932, there was established in his honour a Chair, the holder of which is called the "Russell Professor of Law". In 1944 Viscount Bennett, LL.B. 1893, gave \$725,000 to the University, part of which sum provided for the endowment of a new Chair, the holder of which is to be known as "The Viscount Bennett Professor of Law," and for the completion of the endowment of the Weldon Chair, henceforth to be held by the Dean of Law under the title of "The Dean Weldon Professor of Law." An additional full-time member of the staff was added in 1920, another in 1921, and a fourth in 1930. Besides the full-time teachers, eleven members of the Bench and Bar of the Province have during the past year given their services as voluntary lecturers in various courses at the School and others have lectured on special topics.

The Law School occupies the first two floors of the north wing of the Forrest Building on Carleton Street. A new building was erected on the Studley Campus in 1921 which is designed for the use of the Law School as soon as a new building can be erected for Arts. The Library of the Law School contains over 14,000 volumes, including all the English and Canadian Reports, a number of reports of the United States, and various sets of legal periodicals. The Library also includes a special collection of works dealing with the subjects of Legal History, Jurisprudence and Political Theory, known as the Bennett Collection. It also contains books known as the *Alexander Ross Collection*, purchased out of the income of a fund provided by the late Alexander Ross.

*On leave for the duration.

Affiliated Courses

A Bachelor of Arts of this University who has during his Arts Course taken the classes of the first year in Law may complete a subsequent Law course in the University in two years. Only four of such classes may be counted towards the Arts degree. See page 33.

Regulations of the Nova Scotia Barristers' Society

The Nova Scotia Barristers' Society will exempt from its Preliminary Examinations students who have completed Matriculation into Dalhousie or any other approved College or University, including Matriculation in Latin, and (1) have passed, at some approved College or University, ten regular classes of the course leading to the degree of Bachelor of Arts, including two classes in English and one each in Latin, Mathematics and a foreign language; or (2) who hold the degree of Bachelor of Arts, Science or Commerce from Dalhousie or any other approved College or University.

By virtue of an arrangement between Dalhousie University and the Society, whereby the Society appoints conjoint examiners to set with the examiners of the Faculty of Law in the consideration of examination papers, the Society exempts from its Professional Examinations holders of the degree of Bachelor of Laws from Dalhousie University, thereby enabling them to proceed to the Nova Scotia Bar without further examination.

By a recent amendment to the Rules and Regulations of the Nova Scotia Barristers' Society a student desiring admission to the Bar of Nova Scotia must serve under articles of clerkship with a practising solicitor for a period of nine months after he has received a degree in Law from Dalhousie or any other approved University; or, in the alternative, for a period of not less than two months or more than three months between the second and third year of his course in Law and for such a further period after he has received his degree in Law as shall be necessary to bring his total period of service up to nine months. N. B.—An amendment in 1944 further provides that "a person who has served in His Majesty's Forces during the present war may complete the required service under articles by service for three months after the sessions of the first and second years respectively of his course in law and for a further period of three months after he has received that degree."

General University Regulations

University regulations applicable to the students of all Faculties and relating to registration, residence, church attendance, discipline, etc., will be found on p. 15 et seq.

The University, in recognition of its responsibility to the public, and for its own reputation, reserves the right to terminate the attendance of any student at any time should it appear that he is unlikely to reach such a standard, in the judgment of the Senate, as would warrant his admission to the practice of Law. Fees cannot be refunded to students who have been dismissed for any cause.

Degree

The only degree conferred in the Faculty of Law is that of Bachelor of Laws (LL.B.).

Academic Year

The Academic Year consists of one session of two terms covering a period of about thirty-six weeks. The first term of the session of 1945-46 will begin on Tuesday, September 11, 1945, and end on Saturday, December 15, 1945. The second term of the session of 1945-46 will begin on Wednesday, January 3, 1946, and end on Tuesday, May 14, 1946. The last day on which students can register for the work of this session is Monday, September 17, at noon. Students are registered for the whole session only and not for one or other of the two terms.

Admission

Students are admitted to classes either as Special students without formal examination, or as Undergraduates in Arts taking the affiliated subjects in Law for the degree of Bachelor of Arts, or as Regular Undergraduates in Law.

Special Students.—Subject to the University regulations for the admission of students (p. 21), a student may be admitted to classes in this Faculty as a Special student, but his attendance is not recognized as qualifying for a degree.

Undergraduates in Arts.—An undergraduate in Arts looking forward to the study of Law may take any four of the classes of the first year of the Law course and have them count in place of three of the ten electives required for the degree of Bachelor of Arts (see p. 31). Such undergraduate should arrange his Arts course so as to take along with it the remaining subjects of the first year of the Law course and thus be able to complete this course in two more years. For this purpose he should consult the Registrar early in his Arts course.

Students who have Grade XII certificates and enter the Arts Faculty with credits are advised that they cannot in general expect to complete the combined courses in Arts and Law in less than six years.

Regular Undergraduates in Law.—The requirements for admission vary accordingly as the candidate does or does not hold the degree of Bachelor of Arts, Science or Commerce from a recognized College or University. In detail these requirements are as follows:

(1) Candidates for admission must have completed Matriculation and must also present satisfactory certificates of having attended and passed at some degree-granting College or University recognized by the Senate for the purpose at least ten regular classes of the course for the degree of Bachelor of Arts, comprising two classes in English, one class in Latin, one class in French or some other foreign language, one class in Mathe-

matics, one class in Political Science, one class in History, and any three classes to be chosen from the following:—Latin, French or some other foreign language, History, Logic and Psychology, Economics, Political Science, Accounting, a Science class, Surveying 2. (Students with credit in the Faculty of Arts for Grade XII or equivalent standing may be exempted from any of the foregoing classes, not exceeding five in number, for which they have received credit upon admission and the aforesaid number of ten classes may be reduced accordingly.) Students who have completed matriculation and have passed in all of the required classes above mentioned except one may, in exceptional cases, be admitted into the Faculty of Law and allowed to take that class during their first year; but no student will be admitted as a regular student in second year Law unless he has complied with all of the above requirements.

(2) Candidates for admission who present satisfactory certificates of having received the degree of Bachelor of Arts or of Science or of Commerce in course at some degree-granting College or University recognized by the Senate for the purpose may be admitted as regular undergraduates in Law whether or not their course for that degree has included the above specified subjects.

Ex-service Men and Women

The foregoing requirements for admission as regular undergraduates in Law have been modified for ex-service men and women, who will be admitted on presentation of satisfactory evidence that they have completed Junior Matriculation (including Latin and a second foreign language), and five university classes, or the equivalent thereof on a Senior Matriculation certificate.

(Note. Under the regulations of the Nova Scotia Barristers' Society Matriculation in Latin is required in the case of all students seeking admission to the Nova Scotia Bar whether they hold degrees in Arts or Science or Commerce or not.)

Students presenting themselves for the first time to register in the Faculty of Law must submit to the Registrar their diplomas or certificates to establish their qualifications and these must prove acceptable before the student can be registered. Students are consequently advised to mail such certificates to the Registrar or appraisal as far in advance as possible.

Students presenting themselves for the first time to register in the University and who are looking forward to the study of Law should at the earliest possible opportunity consult the Dean of the Faculty of Law.

Undergraduates of other approved law schools may, on producing satisfactory certificates, be admitted as *cum laude* students in this Law School (p. 27).

Matriculation

For details of the requirements for Matriculation, see pp. 22-25.

Curriculum*

First Year.—

Both Terms.—Contracts, History of English Law, Property I, Crimes, Torts,

Second Year.—

One Term.—Bills and Notes, Insurance, Sales, Agency and Partnership.

Both Terms.—Property II, Corporations, Procedure I, Equity I.

Third Year.—

One Term.—International Law**, Mortgages and Suretyship, Legislation, Equity II, Taxation.

Both Terms.—Constitutional Law, Shipping, Conflict of Laws, Procedure II, Evidence.

Note: For the duration of the war the classes in Sales, Agency and Partnership, Constitutional Law and Conflict of Laws will be given to the combined Second and Third Year classes.

The foregoing schedule is subject to modification either by transposition of subjects from one term to the other, or otherwise.

Detailed information regarding the classes included in these courses will be found under Classes of Instruction, p. 118 *et seq.*

In addition to the work given in the regular subjects of the curriculum, special lecture courses will be given by members of the Bench and Bar. Attendance at these courses will be required.

No student shall be allowed to take a class belonging to a year in advance of his own year without special permission from the Faculty.

No student shall be allowed to take classes in other faculties of the University, without special permission from the Faculty of Law.

*It is so be distinctly understood that the regulations regarding courses of study, examinations, fees, etc., contained in this calendar are intended for the current year only. No one else the University hold itself bound to adhere absolutely to the curriculum and conditions laid down.

**International Law will not be given in 1941-42.

Current Cases

The members of the Faculty and of the third year classes hold a weekly discussion of cases reported in the current issues of the law reports.

Mock Parliament

This is conducted on the model of the House of Commons of Canada with strict regard to the rules of parliamentary procedure.

Moot Court

Each student is expected to participate each year in at least one argument in the Moot Court. The final argument each year takes place before a Bench of Supreme Court Justices.

Attendance

In order to be permitted to write an examination, a student must have credit for attendance in 90 per cent. of the lectures or other meetings of the class in question.

Examinations

Final examinations in some subjects will be held immediately before the Christmas vacation. Examinations in the remaining subjects will be held after the close of lectures in the spring.

Supplemental Examinations

A student failing to pass in more than two subjects of any year at the regular examinations must repeat his year.

A student failing to pass in not more than two subjects of any year at the regular examinations must pass a supplemental examination in such subject or subjects. For admission to the Second or Third Year a student must have passed the examinations in all subjects of the First and Second Years respectively, unless in exceptional cases special permission is given by the Faculty.

Supplemental examinations are held in the autumn on the dates specified in the University Almanac, and during the regular examinations in the spring, but at no other times.

Application for admission to a Supplemental examination must be made on or before the date set in the University Almanac for receiving applications, on a form to be obtained from the University Office, and must be accompanied by the proper fee.

Medals and Prizes

For Scholarships and Prizes open to all students of the University see pp. 67-68.

University Medal in Law.—This medal will be awarded on graduation to the student standing highest among those taking the full regular third year curriculum, provided he reaches a very high standard of excellence, and obtains First Class Distinction in at least all but three of the subjects of examination.

Carswell Prizes.—Books to the value of \$60 (\$20 for the first year, \$20 for the second year, \$20 for the third year), will be awarded to the students making the highest aggregates in their respective years. (Discontinued for the duration of the war.)

Sir Joseph Chisholm Prize.—A prize of \$50 will be awarded to the third year student who submits the best thesis on a legal subject. The award to be approved by the Faculty of Law.

Class of 1910 Prize.—A prize of \$50 will be awarded to the student making the highest marks in the class on Constitutional Law. In any year in which the class on Constitutional Law is not given, the prize may be awarded to the third year student making the highest marks in any class selected by the Faculty.

Class of 1911 Prize.—A prize of \$50 will be awarded to the student making the highest aggregate in the first year.

Vincent MacDonald Prize.—Books to the value of approximately \$20 will be awarded to the student of the second year, who, in the opinion of the Faculty, has shown the most satisfactory progress during that year and has attained at least second-class standing.

Loan Fund

The Nova Scotia Barristers' Society has set aside \$500 as a Fund from which loans may be made to students registered in the Faculty of Law, upon terms contained in the regulations of the Society.

Fees

All fees and deposits are payable in advance, and until these are paid the student will neither receive credit for attendance upon any class, nor be admitted to any examination.

For Registration*

Payable by students taking only one class in the University (including Library Fee of \$5.00).....	\$ 16.00
Payable by students taking more than one class (including Library Fee of \$5.00).....	21.00
Additional, payable by all students registering after 12 noon on last regular registration day, for each day.....	2.00
Additional annual fee charged to students from outside the British Empire entered in professional or pre-professional courses.....	250.00

For Tuition and Examinations

For each class attended, when taken singly.....	50.00
Payable by those taking the regular prescribed curriculum, each year.....	250.00
Students departing from the prescribed curriculum will be charged for each class singly; but the maximum charge for three years shall be.....	800.00
For each Supplemental examination.....	15.00

For Certificates and Diplomas

An application for a Certificate or Diploma must be accompanied by the proper fee.

†Certificate under the University seal.....	1.00
For LL.B. diploma (payable before the Third Year or final examinations, and returnable in case of failure).....	20.00
Additional fee when a degree is conferred in absentia at the Spring Convocation.....	10.00

No reduction will be made in tuition fees payable to a student repeating the regular courses of any one year of the curriculum.

The student must pay the fees for the full year whether the classes are attended for all or part of the course, except in the case where he is compelled to withdraw from the University through illness or for some other equally valid and accepted reason.

If such withdrawal takes place previous to December 1 one-half of the annual tuition fee will be refunded and if between

*Students who register only for the purpose of taking examinations are exempt from the payment of this fee.

†A Certificate of standing is issued on request, without charge. Additional copies if required will be issued on receipt of 50c. per copy.

December 1 and February 1 the student will be allowed to repeat his year at one-half the usual tuition fee.

No return of fees will be made to any student dismissed from classes or from the University.

See pages 19 and 20 for Caution Deposit and Fee for support of Student Organizations.

CLASSES OF INSTRUCTION

First Year

Contracts

Lecturer..... G. F. Curtis.
 Three lectures per week, both terms.
 The class includes a study of the general principles of the law of Contract.
 Text Books: Wright: *Cases on Contracts*. Anson: *Contracts*. Pollock: *Contracts*. Title on *Contracts*. *Corpus Juris*.

History of English Law

Lecturer..... G. F. Curtis.
 Two lectures per week, both terms.
 The class includes a study of the development of the English law from the Anglo-Saxon period to modern times.
 Text Books: Maitland and Maitland: *Sketch of English Legal History*. Maitland: *Constitutional History of England*. F. Pollock: *A Concise History of the Common Law*. Levy-Ullmann: *The English Legal Tradition*.

Property I

Lecturer..... G. S. Cowan.
 Three lectures per week, both terms.
 The law of Titles and simple Conveyancing. The law relating to the Ownership of Chattels and to Bailments.
 Text Books: Cheshire: *Modern Real Property*. Anson: *Real Property*. Anson: *Titles*. Salmond: *Torts*. Rubin: *Bailments*.

Crimes

Lecturer..... R. M. Fielding.
 Two lectures per week, both terms.
 The class includes a study of the substantive law of Crimes and also Criminal Procedure.
 Text Books: Tremear: *Canadian Criminal Code, Annotated*. Cranshaw: *Criminal Code of Canada*.

Torts

Lecturer..... V. C. MacDonald.
 Three lectures per week, both terms.
 The class includes a study of the general principles of the law of Torts and relevant legislation thereon.
 Text Books: Clute and MacDonald: *Cases on the Law of Torts*. Salmond: *Torts*. Pollock: *Torts*. Winfield: *Torts*.

Equity I

Lecturer..... G. F. Curtis.
 Two lectures per week, both terms.
 The class includes a study of the principles relating to Specific Performance, Injunctions, Mistake and Misrepresentation.
 Text Books: Smith and Read: *Cases on Equity*. Hasbany: *Equity*.

Second Year

Property II

Lecturer..... C. W. Sperry, W. D. Outhit.
 Three lectures per week, first term; two lectures per week, second term.
 The class will include a study of the law of Real Property, the Wills Act, Drafting and Interpretation of Wills, Law of Landlord and Tenant, and Conveyancing.

Bills and Notes

Lecturer..... J. T. MacQuarrie.
 Two lectures per week, one term.
 The class includes a study of the Bank Act, the Bills of Exchange Act, and of the general principles of the law governing Negotiable Instruments.
 Text Books: Russell: *Bills*. Falconbridge: *Banking and Bills of Exchange*.

Corporations

Lecturer..... G. F. Curtis.
 Two lectures per week, both terms.
 The class includes a general survey of the leading principles of Company Law and also a study of the Dominion and Provincial Statutes.
 Text Books: Palmer: *Company Law*. Maitland and Fraser: *Company Law*. Wignam: *Canadian Company Law*.

Sales

Lecturer..... V. C. MacDonald.
 Two lectures per week, both terms.
 The class includes a study of the law governing the Sale of Goods.
 Text Books: Falconbridge: *Cases on Sales*. Benjamin: *Sale*. Williston: *Sale*.

Insurance

Lecturer..... F. H. M. Jones, G. F. Curtis.
 Two lectures per week, one term.
 The class includes a study of the law governing the different types of Insurance.

Procedure I

Lecturer..... J. A. Hanway.
 Two lectures per week, both terms.
 The course includes a study of the Judicature Act and Rules and of the practice of the various courts.
 Text Books: Odgers: *Principles of Pleading*. *New Scotia Judicature Act and Rules*.

Agency and Partnership

Lecturer..... V. C. MacDonald.
 Two lectures per week, both terms.
 This course includes a study of the principles of the law of Agency, including Master and Servant, and brief consideration of the law of Partnership.
 Text Books: Wright: *Cases on Agency*. Bowstead: *Agency*. Mechem: *Agency*. Pollock: *Partnership*.

Third Year

Constitutional Law**

Lecturer..... V. C. MacDonald.

Two lectures per week, both terms.

The class includes a general study of the principles of Constitutional Law applicable throughout the Empire, and a detailed study of the British North America Act and the principles peculiar to the Canadian Constitution.

Text Books: Clement: *Canadian Constitution*. Lefroy: *Short Treatise on Canadian Constitutional Law*. Herry: *Law of the Constitution*. Keith: *Constitutional Law of the Dominion*. MacKer: *Casebook on Constitutional Law*.

International Law**

Lecturer..... G. F. Curtis.

Two lectures per week, one term.

History of the development of International Law. The law governing Nations especially during Peace. Referring to rules of Neutrality and War, International Courts and Arbitration. The League of Nations and International Organization.

Text Books: Stowell and Mann: *International Com.* Hudson: *Case on International Law*.

Legislation

Lecturer..... V. C. MacDonald.

Three lectures per week, one term.

Part I: Legislation. This includes a study of modern legislative problems, and the use made by courts of the principles of interpretation.

Part II: Administrative Law. This includes a study of the work of departments and commissions, and the methods whereby the courts control the exercise of statutory powers of rule-making and decision.

Text Book: Maxwell: *Statutes*; and selected statutes and readings.

Shipping

Lecturer..... F. D. Smith.

One lecture per week, both terms.

The class includes a study of the law of Shipping and of Admiralty Practice.

Text Books: McLachlan: *Shipping*. Mayrho: *Admiralty Law and Practice*. Madden: *Collision at Sea*. Lowndes: *General Average*.

Conflict of Laws**

Lecturer..... V. C. MacDonald

Two lectures per week, both terms.

The class includes a study of the leading principles of Private International Law.

Text Books: Falconbridge: *Cases on Conflict of Laws*. Cheshire: *Private International Law*

Mortgages and Suretyship

Lecturer..... G. F. Curtis.

Three lectures per week, one term.

The class includes a study of the law governing Mortgages of Real Estate, and also the law of Suretyship.

Text Books: Falconbridge: *Law of Mortgages*. Rowlett: *Principal and Surety*.

Equity II

Lecturer..... A. G. Cooper

Three lectures per week, one term.

The class includes a study of the law governing Trusts and Trustees.

Text Books: Smith: *Cases on Trusts*. Hasbany: *Equity*.

Procedure II

Lecturer..... J. E. Rutledge.

Two lectures per week, both terms.

This course is a continuation of Procedure I. In both of these courses an attempt is made to give some training in the preparation of documents and the making of motions.

Evidence

Lecturer..... Mr. Justice Doull.

Two lectures per week, both terms.

The course includes a study of the law of Evidence generally and of the Dominion and Provincial legislation thereon.

Text Books: Wigmore: *Evidence*. Best: *Evidence*. Phillips: *Evidence*. Cockle: *Cases on Evidence*.

Taxation

Lecturer..... J. E. Lloyd.

One lecture per week, one term.

This course consists of a study of the Dominion Income Tax, Excess Profits and Succession Duty Acts.

Text Books: C. C. H. Tax Service. Platten: *Income Tax*. Dymond: *Death Duties*.

Note—The following works are used for the purpose of reference in the classes of the curriculum generally: *Corpus Juris*; *Corpus Juris Secundum*; *The Laws of England* (Halsbury edition); *The Canadian Abridgement*.

Special Lectures

Instruction will also be given by special lecturers on selected topics.

**Will not be given in 1945-6.

Faculty of Medicine

Preliminary Statement

By an arrangement between Dalhousie University and the Provincial Medical Board of Nova Scotia, the final Professional Examinations at the end of the fourth and fifth years are conducted conjointly by the University and the Board, and hence candidates may qualify at the same time for the academic degree and the licence of the Board.

Provincial Regulations

Students who look forward to practising in some other province are reminded that they must conform to the regulations prescribed by the Medical Board or Council of that province. Official information relative to the regulations for licence to practise in the various provinces may be obtained from the Registrars of the Provincial Medical Boards or Councils. Inasmuch as some licensing boards require that applicants for the licence to practise must have been registered as medical students for five years before taking their final professional examinations, students are advised to register with the licensing board of the province or state to which they belong on commencing their medical studies. For details of these examinations and relative fees as well as fees for Medical Registration the student is advised to consult the Registrar of the Board. The names and addresses of the Registrars of the Medical Boards for the Maritime Provinces and Newfoundland are as follows:

Nova Scotia, Dr. H. L. Seammell, Halifax.
 New Brunswick, Dr. J. M. Barry, Saint John.
 Prince Edward Island, Dr. H. D. Johnson, Charlottetown.
 Newfoundland, Dr. Cluny Macpherson, St. John's.

Privileges

The General Medical Council of the United Kingdom admits graduates in Medicine of Dalhousie University who have passed the professional examinations conducted jointly by the University and the Provincial Medical Board, and have been licensed by the Board, to registration in the Colonial List of the British Medical Register. This confers precisely the same privileges as registration on the British List, viz., the right to obtain, without further examination, the licence to practise medicine in nearly every part of the British Empire.

For information relative to registration in the Colonial List of the British Register application should be made to the Registrar of the Provincial Medical Board of Nova Scotia.

Equipment and Facilities for Teaching.

The Medical Buildings

The department of Anatomy is housed in the Forrest Building. This department has recently been renovated, a museum and research facilities having been added. Histology and Embryology are also taught in the Forrest Building. The courses in Physiology, Pharmacology and Biochemistry are conducted in the Medical Sciences Building, a modern structure especially designed for teaching and research. The Maritime College of Pharmacy also conducts classes in this building. Through the courtesy of the Department of Health of the Province of Nova Scotia, the Pathological Institute is used for teaching Pathology, Bacteriology and Immunology. In 1924 the Dalhousie Public Health Clinic was established. The building was a gift to the University from the Rockefeller Foundation. The Clinic maintains a complete out-patient service and provides excellent facilities for the study of preventive medicine. The medical buildings are conveniently located in relation to one another, to the hospitals and to the new Medical and Dental Library.

The Laboratories

The laboratories of Anatomy, Histology and Embryology, Pharmacology, Physiology, Biochemistry, Pathology and Bacteriology are commodious and well lighted. They are well equipped for teaching purposes, and facilities are available for special work and research.

The Hospitals

The hospitals used for teaching are as follows: The Victoria General Hospital (243 beds), The Halifax Infirmary (275 beds and 60 bassinets), The Children's Hospital (120 beds), The City Tuberculosis Hospital (66 beds), The Grace Maternity Hospital (60 beds and 62 bassinets), and The Infectious Diseases Hospital (50 beds and 16 cribs). Camp Hill Military Hospital (783 beds), The Naval Hospital (350 beds), and Rockhead Hospital (120

beds). Instruction in mental diseases is given at the Nova Scotia Hospital, Dartmouth (500 beds). All of these hospitals are well equipped and provide ample clinical material for teaching purposes. The students attend out-patients at the Dalhousie Public Health Clinic, an institution which, with the Halifax Visiting Dispensary, gives free medical service to the indigent of Halifax. Attendance here is approximately 30,000 visits per year.

The final year is one of internship. In addition to the above mentioned hospitals the Faculty has approved the following for rotating internships: Camp Hill Military Hospital (783 beds), Nova Scotia Sanatorium, Kentville (370 beds), Aberdeen Hospital, New Glasgow (75 beds), St. Martha's Hospital, Antigonish (125 beds), Prince Edward Island Hospital, Charlottetown (110 beds), Saint John General Hospital, Saint John, N. B. (443 beds), the City Hospital, Sydney (65 beds), and St. Joseph's Hospital, Glace Bay (189 beds).

The Medical and Dental Library

In the spring of 1939 the new building for the Medical and Dental libraries was completed. This modern building was made possible through the gift of the Carnegie Corporation (\$50,000) "for library development," and through gifts received from the Honourable J. C. Tory, J. McG. Stewart, Esq., K.C., Dr. W. Inglis Morse, A. B. Wiswell, Esq., the Honourable W. H. Dennis, A. H. Buckley, Esq., Dr. John Cameron and Peter R. Jack, Esq. The library building is on the Forrest Campus convenient to the medical buildings and to the hospitals. It has a spacious reading room accommodating eighty readers. The system of open stacks is used. There is a collection of over 17,000 volumes and most of the medical periodicals of the world are subscribed for. It is in charge of a trained medical librarian.

During 1941 the Provincial Medical Board established a Library to be known as the Dr. John George MacDougall Library in recognition of the many years of service to the profession by Dr. MacDougall as a member and later as President of this body. Arrangements have been made to house the collection in the Dalhousie Medical Library where it will be available to medical students and the members of the profession in the Province.

General University Regulations

University regulations applicable to the students of all Faculties and relating to registration, residence, church attendance, discipline, etc., will be found on p. 15 *et seq.*

Medical students must further observe the regulations of the hospitals relative to students and student internes, and any violation of such regulations will be dealt with in the same way as if a University regulation were violated.

The Faculty of Medicine, in recognition of its responsibility to the public, reserves the right to retire any student from the study of medicine at any time should it appear that he is unlikely to reach such a standard as would warrant his admission to the practice of medicine. Fees cannot be refunded to students who have been dismissed for any cause.

Students of the first four years, who are physically fit, must take military training.

Affiliated Courses

There is an affiliated course of Arts or Science and Medicine, in which the classes of the first year in Medicine are accepted for the degree of Bachelor of Arts or Science. The details of the course are given on pp. 38 and 39.

There is a B.Sc. course open to medical students who show exceptional ability, which can be taken along with the regular medical course and completed at the end of the third year. This course, which is outlined to interest the student in medical research, requires the completion with high standing of the regular premedical course and, in addition, German 1 and 3, and Philosophy 1. In the first three years of medicine special courses of Laboratory Technique must be satisfactorily completed.

Academic Year

The first, second, third and fourth years will begin on Tuesday, September 11, 1945, and will end on Tuesday, May 14, 1946. This year, on account of past acceleration, there will be no final year. Registration dates for the classes in the Faculty of Arts and Science preliminary to the Medical curriculum will be found in the University Almanac, p. vi.

Degree

The Degree conferred by the University is Doctor of Medicine and Master of Surgery (M.D.-C.M.).

Admission and Grading

All persons who have satisfied the Entrance Requirements (p. 22) in Medicine are eligible for admission but the number of those who will be admitted in any one year is limited. Primary consideration is given to British subjects, especially residents of the Maritime Provinces and Newfoundland. Application must be made on a form to be obtained from the Registrar. Upon notice of acceptance to any class in the Medical School prospective students are required to deposit immediately with the Registrar the sum of \$25.00 towards fees.

For admission to any subsequent year an undergraduate must have passed the examinations required in all subjects of the preceding year, unless in exceptional cases special permission is given by the Faculty. Students who fail in the spring examinations may come up for supplemental examinations in the autumn under the following conditions:

(a) In the case of students of the first, second and fourth years, supplemental examinations will not be allowed in more than two subjects.

(b) In the case of students of other years, the number of subjects in which supplemental examinations will be allowed will at no time exceed three.

(c) In the case of students of all years, those who fail to pass in all the subjects of their year at the spring examinations, or to pass at the next ensuing supplemental examination all subjects in which they may have been allowed examination, must repeat attendance on all the courses of the year before again coming up for examination, unless a different course is prescribed by the Faculty. Such students will be on probation until Christmas, and may be required to withdraw if their showing at that time is not satisfactory.

Subject to the University regulations for the admission of students, a Special student may be admitted to classes in this Faculty, but his attendance is not recognized as qualifying for a degree.

No person under sixteen years of age is admitted to any class.

Entrance Requirements

Full details of the requirements for Entrance will be found on pp. 22-25.

Curriculum*

The course for the degree of Doctor of Medicine and Master of Surgery extends over five years. Detailed information regarding the classes included in it will be found under "Classes of Instruction," p. 126 et seq.

The following division of the curriculum into years, and the corresponding examinations, will be followed as closely as possible, but some modifications may be found necessary.

First Year. Anatomy 1; Histology; Embryology; Physiology 1; Biochemistry 1; Psychobiology.

Second Year. Anatomy 2; Structural Neurology; Physiology 2; Biochemistry 2; Pathology 1; Bacteriology; Pharmacology; Physical Diagnosis; Psychiatry; Introduction to Clinical Medicine and Clinical Surgery.

Third Year. Pathology 2; Laboratory Medicine; Pharmacology; Practical Materia Medica; Physical Diagnosis; Preventive Medicine; Medicine and Clinical Medicine; Clinical Physiology; Toxicology; Psychiatry; Surgery and Clinical Surgery; Applied Anatomy; Ophthalmology and Otolaryngology; Radiology; Obstetrics and Gynaecology; Clinical Obstetrics and Gynaecology; Paediatrics.

Fourth Year. Preventive Medicine; Medicine, Clinical Medicine and Therapeutics; Medical Jurisprudence and Toxicology; Autopsies; Clinical Psychiatry; Surgical and Applied Anatomy; Surgery and Clinical Surgery; Anaesthesia; Urology and Dermatology; Ophthalmology, Laryngology and Otolaryngology; Radiology; Obstetrics and Clinical Obstetrics; Clinical Gynaecology; Clinico-Pathological Conferences; Clinical Physiology; Paediatrics Medical Ethics.

Fifth Year. The fifth year, a period of twelve months, beginning immediately after the completion of the fourth year, is one of rotating internship, in hospitals approved by the Faculty of Medicine.

*It is to be distinctly understood that the regulations regarding courses of study, examinations, fees, etc., contained in this calendar are intended for the current year only. Nor does the University hold itself bound to adhere absolutely to the curriculum and conditions laid down.

Regulations for Degrees

In addition to the Matriculation and premedical examinations, candidates for degrees are required to pass five Professional Examinations. The requirements in each subject are covered by the work of the class or classes in that subject specified under "Classes of Instruction" (p. 136 et seq). In all examinations the marks obtained at sessional tests or at Christmas examinations will be considered in computing the marks allowed in each subject at the regular professional examinations. The examinations in the various subjects will be held within the dates set in the University Almanac, and as posted on the Notice Boards, and are arranged as follows:

First Professional Examination

One paper in each of the following subjects: Anatomy, Histology, Embryology, (oral and practical examinations during the session in these subjects), Psychobiology; one paper and an oral examination in each of Physiology and Biochemistry, (practical examinations during the session in these subjects.)

Second Professional Examination

One paper in each of Anatomy, Structural Neurology, Physiology, Biochemistry, Pathology and Bacteriology. Oral examinations are given in Anatomy, Physiology, Pathology, and Bacteriology. Practical examinations in all subjects are given during the session.

Third Professional Examination

A paper and oral in each of the following: Pathology and Pharmacology; orals during the term in Obstetrics and Gynaecology; practical examinations during the term in Pathology and Laboratory Medicine; final oral examinations in *Materia Medica*. There are also written examinations in Laboratory Medicine, Surgery, Medicine, Obstetrics and Gynaecology.

Fourth Professional Examination

One paper in each of the following subjects: Medicine in all its departments including Therapeutics, and war medicine; Medical Jurisprudence and Toxicology; Psychiatry; Surgery in all its departments including war surgery; Obstetrics and Gynaecology; Paediatrics; a paper and an oral examination in Preventive Medicine including military hygiene. The examina-

tions in Medicine, Surgery, and Obstetrics and Gynaecology, are conducted jointly by the University and the Provincial Medical Board of Nova Scotia.

Fifth Professional Examination

An oral examination in each of the following subjects: Medicine in all its departments and including Therapeutics; Surgery in all its departments and including Surgical Anatomy; Obstetrics and Gynaecology; also a practical clinical examination in each of Medicine, Surgery, and Obstetrics and Gynaecology. All these are conjoint examinations conducted by the University and the Provincial Medical Board of Nova Scotia.

Pass and Distinction Lists

The names of candidates successful in the examinations are arranged in the published lists in two divisions, the Pass and Distinction divisions. To pass, a candidate must obtain a minimum mark of 50 per cent in each subject; for Distinction he must obtain a mark of 75 per cent or over. The names in the Pass division of the list are arranged in alphabetical order; those in the Distinction list are in order of merit.

Admission to Examinations

Candidates for admission to Degree examinations must conform to the following requirements:

1. They must have satisfied the Entrance requirements (p. 22).
2. They must have attended the prescribed classes regularly and punctually. Certificates indicating less than 80 per cent of attendance upon any class will not in ordinary circumstances be accepted.
3. They must have prepared such exercises, reports, etc., as may have been proscribed, and, in the case of classes involving laboratory or practical work, they must have completed such work satisfactorily.
4. For admission to the examinations of the second or any higher year they must have passed the examinations of all previous years. (Except as stated on p. 126).

5. Candidates for the Final Professional examination will be required to subscribe to the following declaration with regard to their age:

Halifax, _____ 19____

I, the undersigned, being desirous of obtaining the Degree of Doctor of Medicine and Master of Surgery do hereby declare that I have attained the age of twenty-one years (or, if the case be otherwise, that I shall have attained the age of twenty-one before the next graduation day).

(Signed).....

They must also have fulfilled satisfactorily the following requirements:

(1) Attendance as clinical clerks in the third and fourth years at the Victoria General Hospital, the Children's Hospital, the Halifax City Tuberculosis Hospital, the Halifax Infirmary, the Dalhousie Public Health Clinic and the City Home.

(2) Attendance on at least 20 maternity cases and, in addition, the delivery under supervision of 10 cases. Those cases do not necessarily have to be attended at the Grace Maternity Hospital, but may be attended at any hospital at which a student is an interne or on the out-patient service.

(3) Attendance on the post-mortem examinations conducted at the Pathological Institute over a period of at least eight months, during which instruction shall have been received in the methods of making such examination and in framing reports; also on the weekly clinico-pathological conferences.

(4) Submission of satisfactory reports on investigations of domiciliary and occupational conditions in relation to the illnesses of an assigned number of patients of the Public Health Clinic.

(5) Attendance on a course of lectures on the relationship of dental conditions to medical practice and on an assigned number of clinics in dentistry.

(6) Service for twelve months on rotating internship at hospitals approved by the Faculty of Medicine.

(7) Compliance with University regulations pertaining to military training.

Supplemental Examinations

The conditions under which supplemental examinations are allowed are set forth under "Admission and Grading" (p. 126).

Regular supplemental examinations are held in the autumn on the dates specified in the University Almanac, and during the regular Professional examinations in the spring, but at no other times.

Application for admission to a supplemental examination must be made on or before the date set in the University Almanac for receiving applications, on a form to be obtained from the University Office, and must be accompanied by the proper fee (p. 135).

Exemptions

Candidates may be exempted from *attendance* on one or more subjects of the first three years of the medical curriculum on presenting certificates,

- of having satisfied the requirements for admission to the Faculty of Medicine (see page 22); and
- of having attended and performed at any recognized medical school or college the equivalent of the work required at this University.

Candidates may be exempted from *examination* in one or more subjects of the first three Professional examinations on presenting, in addition to the certificates specified under (a) and (b) above, certificates of having passed equivalent examinations at any recognized medical school or college but every such candidate must take all the examinations of the year to which he is admitted.

Sponsio Academica

Before admission to his degree, a candidate shall be required to sign the following oath or affirmation:

In facultate Medicinæ Universitatis Dalhousianæ.
Ego, Doctoreus in Arte Medica titulo jam donandus, sancto coram Deo cordium scrutatore, spondeo—me in omni grati animi officio erga Universitatem Dalhousianam ad extremum vitæ halitum perseveraturum, tum porro Artem Medicinam sancte et caste, et probeque exercitaturum et, quæsi potero, omnia ad ægrotorum corporum salutem conducentia cum fide procuraturum quæ denique inter merendum via vel audita silere conveniat, non sine gravi causa vulgaturum. Ita preces mihi spondenti adit Numen.

Medals and Prizes

For Scholarships and Prizes open to all students of the University see pp. 67-68.

University Medal in Medicine.—This medal will be awarded on graduation to the student with the highest standing provided he has reached the high standard set by the Faculty for that purpose.

The Dr. A. F. Miller Prize.—A prize of \$25, presented by Dr. A. F. Miller, of Kentville, will be awarded to the final year student who stands highest in his knowledge of Tuberculosis, Special examinations will be set for this prize.

Colonel Murray MacLaren Memorial Award.—A prize of \$100, presented by the Saint John General Hospital, Saint John, N. B., awarded each year to the interne demonstrating the highest increase in practical knowledge and the best record of service to the hospital, its patients and to his profession.

The Doctor J. L. MacIsaac Memorial Award.—A prize of \$100, presented by St. Martha's Hospital, Antigonish, N. S., awarded each year to the interne showing the highest efficiency.

Halifax Infirmary Award.—A prize of \$100, presented by the Halifax Infirmary, Halifax, N. S., awarded each year to the interne having the best record.

The Victoria General Hospital Prize.—A prize of \$100, awarded by the Victoria General Hospital to the best interne resident at the hospital during the current interne year.

Anonymous Prize.—A prize of \$100, from an anonymous donor, will be awarded at the end of the session 1945-46, the object being to promote the interest of senior medical students in Anatomy as a subject of value to the physician and general practitioner. The prize is open to fourth year students. The course of study and examinations are to be set by the Anatomy Department. The award will only be made if the candidate is to remain a member of Dalhousie University in his final year. The Department is to have the right to withhold the award if no candidate produces results of a sufficiently high standard.

If the objects of the prize appear to be attained in the session 1945-46, the offer may be renewed in a subsequent session.

Applications are to be lodged with the Anatomy Department at the commencement of the session.

The Dr. Clara Olding Prize.—This prize, the interest of an endowment of \$1,000 given by Dr. A. M. Hobb, of Dartmouth, as a memorial to his deceased wife, will be awarded annually to the student making the highest aggregate in the

examinations of the fourth year, character and previous scholarship being taken into consideration.

The Dr. John F. Black Prize.—This prize, of the value of \$50, from the income of a bequest by the late Dr. John F. Black, a former Professor of Surgery, to be used by the Department of Surgery in the promotion of surgical teaching, will be awarded at the completion of the fourth year to the student who reaches the highest standing in Surgery.

The Andrew James Cowie, M.D., Memorial Medal.—This medal, founded by the late Miss Florence J. Cowie in memory of her father, will be awarded each year to the member of the fourth year class having the highest standing in Obstetrics, provided his standing in other subjects is sufficiently high to justify an award.

The Charles E. Frosst Bursary.—A bursary of \$250, contributed by the Charles E. Frosst and Company, of Montreal, to be awarded annually at the completion of the fourth year to a student entering the fifth year who has shown general proficiency throughout the course, character and need to be considered.

The Ross Stewart Smith Prize.—This prize, of the value of \$75, contributed by Mrs. Eliza Cochran Smith in furtherance of the wishes of herself and her late husband, Dr. James Ross Smith, as a memorial to their late son, Ross Stewart Smith, will be awarded at the completion of the third year to the student who has carried on the most creditable advanced work in one or more of the preclinical subjects.

Prize in Pathology.—This prize of \$100 is given by the Hebrew community of western Nova Scotia and sections of New Brunswick.

The I.O.D.E. John Stewart Chapter Prize.—A prize of \$100, awarded to the student who at the completion of his second year shows proper academic standing and need for financial assistance.

Anonymous Prize.—A cash prize of \$25, from an anonymous donor, will be awarded to the student of the second year Anatomy class who has gained highest distinction in that class, the attainments of the student in Practical Anatomy to be chiefly considered; the Department of Anatomy having the right to set special tests before it recommends any student for the award.

The Professor John Cameron Prize in Anatomy.—This prize, the interest of an endowment of \$500, given by Dr. John Cameron, former Professor of Anatomy, will be awarded

to the student of the first year who makes the highest marks in Anatomy.

The Professor R. J. Bean Prize.—Awarded to the student who makes the highest aggregate in the first professional examinations in Histology and Embryology.

Fees

All fees and deposits are payable in advance, and until these are paid, the student will not receive credit for attendance upon any class nor will he be admitted to any examination.

For Registration*

Payable by students taking only one class in the University (including Library Fee of \$5.00).....	\$ 16.00
Payable by students taking more than one class (including Library Fee of \$5.00).....	21.00
Additional, payable by all students registering after 12 noon on last regular registration day, for each day.....	2.00
Additional annual fee charged to students from outside the British Empire entered in professional or pre-professional courses....	250.00

For Tuition

For each class (other than Practical Anatomy) attended, when taken singly.....	\$ 50.00
Practical Anatomy.....	55.00
Payable by those taking the regular prescribed curriculum each year	275.00

This includes tuition, hospitals, clinics, laboratory work and the regular sessional examinations; but does not include registration, caution and laboratory deposits and the fee for the support of student organizations. No reduction will be made in the tuition fees payable by a student repeating the regular courses of any one year of the curriculum.

The student must pay the fees for the full year whether the classes are attended for all or part of the course, except in the case where he is compelled to withdraw from the University through illness or for some other equally valid and accepted reason. If such withdrawal takes place previous to December 1 one-half of the annual tuition fee will be refunded and if between December 1 and February 1, the student will be allowed to repeat his year at one-half the usual tuition fee.

No return of fees will be made to any student dismissed from classes or from the University.

Microscopes

Previous to the war each student on registering for the first time in the Faculty of Medicine was required to provide himself with a microscope of a design and quality approved by the Faculty. Such instruments were

*Students who register only for the purpose of taking examinations are exempt from the payment of this fee.

for the most part purchased through the University. On account of the difficulty of obtaining a continuing supply of suitable microscopes during the war, the University in keeping with its policy of assisting students as far as possible, has been obliged to change its practice. Until such time as microscopes are again available at a price within the means of the average student, the University will rent to each student requiring an instrument a suitable microscope at \$20.00 per session. The rental charge will be treated in the same manner as tuition and other fees and will be payable at the same time. Students who have rented a microscope from the University and who at a later date wish to buy an instrument elsewhere, must complete arrangements with Professor Bean for the return of the rented instrument not later than two (2) weeks from the assignment of the microscope. No refund of rental monies will be made after that period. Each student will be held responsible for all damage to the instrument rented to him, ordinary wear and wear excepted. At the end of each session microscopes under rental will be turned in to the custody of Professor R. J. Bean, Department of Histology, promptly on the date set.

Diagnostic Sets

Each student on entering the fourth year Medicine must provide himself with a Diagnostic Set approved by the Faculty (the set shall include ophthalmoscope, otoscope and laryngoscope). Other necessary accessories are—stethoscope, flashlight, skin pencil, oral and rectal thermometers, haemocytometer, and hammer for eliciting reflexes. Two three-quarter length coats to be worn in the Hospital Wards are also required.

For Examinations

An application for an examination must be accompanied by the proper fee.

Supplemental examinations, each subject.....	\$ 15.00
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For Certificates and Diplomas

An application for a Certificate or Diploma must be accompanied by the proper fee.

*Certificate under the University seal.....	\$ 1.00
For M.D., C.M. Diploma (payable before the fifth year or final examinations and returnable in case of failure).....	20.00
Diploma, payable by those attending less than 4 years.....	40.00
Additional fee when a degree is conferred in absence at the Spring Convocation.....	10.00

See pages 18 to 29 for

Loan Funds.

Caution Deposit.

Laboratory Deposits.

Fee for Support of Student Organizations.

*A Certificate of Standing is issued on request without charge. Additional copies if required will be issued on receipt of 50¢ per copy.

CLASSES OF INSTRUCTION

I. Anatomy

Professor.....	Donald Mainland.
Associate Professor.....	R. L. deC. H. Sanders.
Instructor.....	S. C. Saunders.
Demonstrators.....	J. V. Graham (Applied Anatomy), Roberta Boyd Nichols.

The course extends over the first two years, and comprises the study of the naked-eye anatomy of the living human body, aided by dissection, radiography, and fluoroscopy. Special emphasis is laid on function, correlation with microscopic anatomy, accurate observation and description, and the correct evaluation of data. All information is selected with a view to its clinical value. The lecture-demonstrations by the Professor and Associate Professor are given when required to elucidate current difficulties. Mimeographed notes are issued to obviate note-taking.

Encouragement is given to senior students and graduates to return for review and research.

The regular courses are—

First Year.—Lower Limb, Abdomen and Thorax, with an introduction to the gross Anatomy of the Brain and Spinal Cord.

Time: Ten hours per week.

Second Year.—Upper Limb, Head and Neck, with review of First Year work.

Time: Ten hours per week (seven hours after Christmas).

Dental students have a slightly shorter course, specially designed for their future needs.

Text Books Required: Cunningham: *Manual of Practical Anatomy*. Malins: *Anatomy as a Basis for Medical and Dental Practice*. (An Anatomy is an extension of pre-medical and general Biology, students are required to retain and use their Biology texts and notes.)

Reference Books: Medical Dictionary.—Dorland and Squire, Editors.—Spaulding; Grant. **Text Books.**—Cunningham; Morris; Gray; Bannister; *Companion to Methods of Practical Anatomy*; Grant; *Medical Anatomy*; General Anatomy.—Lodge Clark; *Physiology of the Body*; Child Growth and Development.—Wain; *Wain Conference Report*; Parts I and II. *Radiological Anatomy*.—Kocher; Berch; *Dissective Text*; Appleby; *Hampton and Thompson*; *Muscle Function*.—Wright; *Medical Research Council War Memorandum No. 3*; *Aids to the Interpretation of Particular X-ray Images*.—Surgical Anatomy.—Beedy and Johnston; McGowan; Treves.

Anatomical Museums. This recent addition provides the undergraduate and graduate with clinically helpful dissections. Special exhibits for the departments of Dentistry, Otolaryngology, and Surgical Anatomy have already been prepared.

Anatomy 1A.—This course qualifies for an Arts or Science degree, but not for medical degrees. It is a practical course on measurement and statistical method applied to morphological and especially histological problems. Part of the work is original investigation under the direction of the Professor of Anatomy.

Histology and Embryology

Professor.....	Raymond J. Bean.
Instructor.....	Elizabeth S. Bean.

Histology.—This course consists essentially of laboratory work and is intended to meet the requirements of medical students of the first year. It deals with the minute structure of the tissues and organs of the human body, their development and primary functions.

Text Books: Schaffer; *Essentials of Histology*. Feroz; *Normal Histology* (Additional). Maclean and Dixon; *Histology*. Bailey; *Text of Histology*.

Embryology.—This course is intended primarily for medical students of the first year. It consists essentially of laboratory work supplemented by one didactic lecture per week. The problems of fertilization, segmentation, the development of the embryo and its protective membranes, are worked out in the laboratory by dissections and intensive study of slides. The materials used include the frog, chick, rabbit, pig and human.

A close relationship is maintained between Embryology and Histology, and the laboratory work in Embryology will occasionally be extended so as to include a portion of the time allotted to the course in Histology.

Text Books: Arny; *Developmental Anatomy*.

Structural Neurology

Professors.....	R. J. Bean, Donald Mainland.
Clinical Demonstrator.....	J. W. Macintosh.

This course is primarily for medical students of the second year. It consists of a series of lectures and demonstrations by the Professors of Anatomy and Histology on the gross anatomy and microscopic structure of the nervous system. Clinical lectures are conducted at the Dalhousie Public Health Clinic.

Text Books: *Regional Anatomy of the Nervous System*. Bannister; *The Peripheral Nervous Pathways*. Looney; *Anatomy of the Brain and Spinal Cord*. King; *Functional Neuro-Anatomy* (P. Shikstien).

II. Physiology

Professor.....	C. B. Weld.
Assistant Professor.....	Edgar C. Black.
Student Demonstrator.....	

1. An elementary study of the mechanisms of the human body, including the functions of the nervous system, the senses, muscular activity, the blood, circulation, respiration, digestion and nutrition, excretion and the endocrines. The course is given in the first year, and consists of two lectures a week throughout the year and two laboratory periods a week during the second term.

1A. This course consists of the lectures of Physiology I with special laboratory work. It is given to the first year dental students and it may be taken as an elective by students in the Faculty of Arts and Science.

2. A detailed study of physiological mechanisms, and their modification under abnormal conditions. It consists of two lectures a week through-

out the second year and two laboratory periods a week during the first half of the year.

Text Books: *Physiology 1*—Best and Taylor: *The Living Body*. *Histology: An Outline of General Physiology*. *Physiology 2*—Best and Taylor: *The Physiological Basis of Medical Practice*. Lovatt Evans: *Starling's Principles of Human Physiology*.

Reference Texts: *Human Experimental Physiology*. White and Southwick: *The Autonomic Nervous System*. Fulton: *Physiology of the Nervous System*. Morgan: *Physiological Psychology*. Langdon, Evans and Hillett: *Physiological Principles in Treatment*.

III. Biochemistry

Professor.....E. Gordon Young.
Associate Professor.....H. B. Collier.
Demonstrator.....F. A. H. Rice.

1. A course of lectures, conferences and laboratory work given to students of the first year, inclusive of the chemistry of the carbohydrates, fats, proteins and related substances, and their physico-chemical relationships in living matter.

1A. This is a more extended course of lectures with special laboratory work and is designed for students in the Faculty of Arts and Sciences.

2. A course of lectures and laboratory work given to students of the second year in the biochemistry of nutrition, digestion, metabolism and excretion in physiological and pathological aspects.

3. A course of lectures and laboratory work given to students in the Faculty of Dentistry, presenting briefly the whole field of Biochemistry.

Seminar.—Senior and graduate students must attend the Biological Seminar and participate in the presentation of papers on recent topics of research.

The Department shares in the course in Laboratory Medicine described on page 139.

Text Books: Hawk and Suggs: *Practical Physiological Chemistry*. Morrow and Sandstrom: *Biochemical Laboratory Methods*.

Reference Books: Mathews: *Physiological Chemistry*. Gorham: *Outline of Biochemistry*. Bodansky: *Physiological Chemistry*.

IV. Pathology, Bacteriology and Parasitology

Professor.....Ralph P. Smith.
Assistant in Pathology.....L. B. Woolner.
Demonstrator in Pathology.....

Pathology

1. A course of elementary lectures, two hours a week, on the general principles of Pathology, is given in the second term of the second year. One lecture is followed by a laboratory period.

2. A course of lectures, five hours per week before Christmas and four hours per week in the second term, is given in the third year, in which general principles of Pathology are applied to diseases of the several anatomical systems. The laboratory work is designed to be complementary to the lectures.

A short special course on pathological conditions of the mouth is given to students of Dentistry only.

3. Demonstrations are given frequently of fresh and preserved specimens illustrating morbid conditions of the several organs.

Students of the third and fourth years are required to assist at autopsies and to prepare and report upon specimens.

4. Conferences of clinicians and pathologists are held on Wednesday afternoons from 4.30 to 6 p.m., at which advanced students attend and are expected to take part in the discussions.

Bacteriology

A course of lectures covering the general field of Bacteriology, Immunology and Parasitology is given in the second year.

A short course on the bacteria of the oral cavity is given to students of Dentistry only. Dental students are not required to take the lectures on Parasitology.

The laboratory work is designed to familiarize the student with the biological reactions and activities of bacteria, and their relationship to disease.

The Department shares in the course in Laboratory Medicine described below.

Text Books: *Pathology: Bases of Med.*. Bacteriology, Muir and Ritchie. *Practical Bacteriology*: Mackie and McCartney. *Parasitology: Holding*. *Clinical Diagnosis*: Todd and Sanford, or Holt.

V. Laboratory Medicine

A course of lectures and laboratory work, in the second term of the third year, is given conjointly by the Departments of Biochemistry and Pathology on the examination of sputum, stomach contents, faeces, blood, urine, exudates and transudates, etc.

Each student is required to provide himself with a haemocytometer for this course.

Text Books: Todd and Sanford, or Holt: *Clinical Diagnosis*.

VI. Pharmacology

Professor.....M. K. McPhail.
Assistant Professor.....
Lecturer in Materia Medica.....G. S. Kinley.

Pharmacology.—The course in Pharmacology, consisting of two lectures and one practical class per week, begins after Christmas in the second year and is completed in the third year at the end of the first term.

Text Books: Goodman and Gilman: *The Pharmacological Basis of Therapeutics*. *Solomon: Manual of Pharmacology, Cusby: Pharmacology and Therapeutics*. *Dilling: Pharmacology and Therapeutics*. *Burton: Materia Medica, Pharmacology and Therapeutics*. *Clark: Applied Pharmacology*.

Practical Materia Medica.—This course, two hours a week, given in the second term of the third year, aims to provide an elementary knowledge of Materia Medica and prescription writing. As far as possible, instruction is imparted by means of practical laboratory exercises.

Text Books: *Engleton; Prescription Writing*. American Medical Association; *Coyd's Disp.*; *Wale White; Materia Medica*.

VII. Physical Diagnosis

Practical instruction in the methods of examining patients is given to the students of the second and third years. The class is divided into groups for instruction purposes.

Text Books: *Wright; Signs and Signs; Clinical Methods*. *Emerson; Physical Diagnosis*. *Caban; Differential Diagnosis*.

VIII. Preventive Medicine

Professor..... H. G. Grant.
Assistant Professor..... A. R. Morison, D. J. MacKenzie.
Statistical Assistant..... Jean A. Peabody.
Assistant..... Jane M. Hubley.

The lectures cover environmental sanitation, communicable diseases, infant and maternal welfare, industrial and school hygiene, the principles of vital statistics, epidemiology, and socialized medicine.

The field work consists in the investigation of housing conditions, public water supply, milk supply, restaurants, and other food handling establishments. During the summer months, between the third and fourth year, each student is required to make a health survey of the community in which he resides. In the fourth year each student is required to make an investigation of home and economic conditions in relation to a minimal number of clinical cases.

Text Books: *Fraser and Stadelman; Text book of Public Health*. *Ross; Preventive Medicine and Hygiene*.

Alternative: *Currie; Manual of Public Health Hygiene*. *Robertson; Introduction to Hygiene*. *Jennison and Parkinson; Synopsis of Hygiene*.

IX. Medicine

Professor..... K. A. MacKenzie (*Head of Dept.*)
Associate Professor..... J. R. Corston.
Assistant Professors..... T. M. Siewiewicz,*
C. W. Holland, J. W. Reid, J. W. MacIntosh, A. F. Miller.
Lecturers..... N. B. Coward, H. L. Seammell.

1. A course of lectures and recitations two hours each week, dealing with diseases of the digestive, circulatory and respiratory systems is given in the third year.

2. A course of lectures and recitations, two hours each week, dealing with infectious and constitutional diseases, the blood, ductless glands, diabetes, and diseases affecting the kidneys and the nervous system, is given in the fourth year.

Text Books: *Moakley; Practice of Medicine*. *Oiler and Murray; Principles and Practice of Medicine*. *T. J. Cicchitto; Practice of Medicine*. *Stratton; Practice of Medicine*. *Cochran; Text Book of Medicine*. *Price; Practice of Medicine*. *Boncompagni; Practice of Medicine*.

Reference Books: *Oiler; Modern Medicine*. *Text; Practice of Medicine*. *Robert F. McCaskey; Internal Medicine in General Practice*. *Campbell Thompson; Diseases of the Nervous System*. *Church and Parsons; Nervous and Mental Diseases*. *Colebatch; Diseases of the Digestive System*. *United Monographs*. *Dr. Thomas Lewis; Diseases of the Heart*. *Bookman; Treatment in General Practice*. *Houston; Art of Diagnosis*.

*On leave for the duration.

X. Clinical Medicine

Professor..... K. A. MacKenzie (*Head of Dept.*)
Associate Professors..... M. J. Carney, J. R. Corston.
Assistant Professors..... T. M. Siewiewicz*,
C. W. Holland, J. W. Reid, J. W. MacIntosh.
Clinical Instructors..... C. W. Holland, J. W. Reid,
J. W. MacIntosh, C. S. Marshall.
Demonstrator..... W. J. Dyer.

A short introduction to Clinical Medicine is given to second year students.

In the third year the students are divided into small groups and receive clinical instruction at the Victoria General Hospital, the Halifax City Tuberculosis Hospital, the Halifax Infirmary, the Dalhousie Public Health Clinic and the Halifax City Home. Clinical lectures are also given.

In the fourth year the students serve as clinical clerks at the Victoria General Hospital, the Halifax City Tuberculosis Hospital and at the Dalhousie Public Health Clinic. Clinical conferences and lectures are conducted at the Victoria General Hospital. Out-patient Clinics in the specialties are attended in small groups at the Dalhousie Public Health Clinic. Students attend in small groups at the City of Halifax Hospital for Infectious Diseases.

Clinical Physiology: A course designed to show the students the application of physiology, biochemistry and pharmacology to clinical medicine is given in the third and fourth years.

Text Books: *Norris and Layton; Diseases of the Chest and Principles of Physical Diagnosis*. *Roberts and Mather; Manual of Physical and Clinical Diagnosis*. *Pyers; Recent; Diagnosis of Diseases of the Nervous System*. *Bourne; Medical History and Case Taking*.

Reference Book: *Medicine; Synopsis in Diagnosis*.

XI. Therapeutics

Clinical Therapeutics is taken up in the regular courses in Medicine. This work is supplemented by a series of demonstrations on electro-therapy, hydro-therapy, massage and clinical dietetics, given in the fourth year. Instruction in prescription writing is also given.

Text Books: *Rudolf; Medical Treatment of Disease*. *Howe; Practical Therapeutics*. *Chandler; Modern Methods of Treatment*. *David Campbell; Handbook of Therapeutics*. *Beckman; Treatment in General Practice*.

XII. Medical Jurisprudence and Toxicology

Lecturers..... Frank V. Woodbury, M. K. McPhail.

A short course of lectures, in the fourth year, is devoted to the consideration of the more common medico-legal problems, and the class attends (in groups) at autopsies in medico-legal cases. Instruction in Toxicology is given by the Professor of Pharmacology during the third and fourth years.

Text Book: *Glaister; Text Book of Medical Jurisprudence and Toxicology*.

XIII. Psychiatry

Associate Professor.....	R. O. Jones.
Assistant Professor.....	R. W. M. MacKay.
Clinical Instructor.....	J. A. (McGeachy) Macleod.
Instructor.....	Jessie M. Lawrence.

The course consists of a series of lectures in Psychobiology in First Year, during which each student is required to write a study of his own personality, designed to give a grasp of normal personality function, important factors in personality development, and the importance of the psychobiological concepts in all medical work.

A course of didactic lectures covering fundamental considerations in psychopathology, with a description of the various reaction types and instruction in methods of psychiatric examination is given in Second Year. Throughout, emphasis is laid on the psychiatric aspect of general medicine, psychosomatic illnesses, and commonly occurring problems of child behavior.

In the Third Year, lecture courses in clinical psychiatry are given, covering the various reaction types with special reference to those most commonly met in general medicine. Problems of the nervous, psychosomatic medicine, and military psychiatry are especially considered.

In the Fourth Year, students receive individual instruction and treatment of neuropsychiatric cases at the Dalhousie Public Health Clinic, each student attending the Psychiatric Out-patient Clinic over a four week period, and advantage taken of the Service Psychiatric Personnel in the City for instruction along their special line of interest.

Demonstrations are arranged during this year, including visits to the Nova Scotia Hospital and the City Home, Halifax.

Text Books: *Maudsley Psychology and Psychiatry*, *Richard's Introduction to Psychology and Psychiatry for Nurses*, *Williams: Essentials of Psychology and Psychiatry*, *Stricker and English: Practical Clinical Psychiatry*, *Stricker: Essentials of Psychiatry*.

XIV. Surgery

Professors.....	H. K. MacDonald (<i>Head of Dept.</i>), J. G. MacDougall, G. H. Murphy, W. Alan Curry.
Assistant Professors.....	C. E. Kinley, V. O. Mader*, N. H. Gosse, W. L. Muir, J. V. Graham, F. H. Davis.
Lecturers.....	J. A. Noble*, E. F. Rose*, C. M. Bothune*, A. L. Murphy.
Demonstrator.....	

A course of lectures, two hours a week, on the general principles of Surgery, is given during the third year. Dental students are not required to take lectures on fractures of limbs.

A course of lectures, one hour a week, on Regional Surgery, is given during the fourth year.

Surgico-pathological conferences are held weekly during the fourth year at which the student has the privilege of hearing surgical cases discussed from the standpoint of diagnosis, operative procedure, and pathological findings.

*On leave for the duration.

Applied Anatomy.—A course in Anatomy is given in the third and fourth years dealing with those parts of the body subject frequently to surgical interference.

Text Books: *Ross and Collins*, *Thomson and Miles*.

XV. Clinical Surgery

Professors.....	H. K. MacDonald (<i>Head of Dept.</i>), J. G. MacDougall, G. H. Murphy, W. Alan Curry.
Assistant Professors.....	C. E. Kinley, V. O. Mader*, N. H. Gosse, W. L. Muir, J. V. Graham.
Clinical Instructors.....	H. D. O'Brien*, A. L. Murphy, J. A. Noble*, E. F. Rose*, C. M. Bothune*, J. W. Merritt, A. M. Marshall, G. L. Covett.
Demonstrators.....	P. Weatherbe, H. D. Hebb*, T. B. Acker, J. C. Acker, W. K. House.

A short course of clinical lectures is given in the second year.

In the third year clinical lectures are held three times weekly. The students also receive clinical instruction in small groups at the Victoria General Hospital, the Children's Hospital, the Halifax Infirmary and at the Dalhousie Public Health Clinic. A course demonstrating the application of bandages, splints and other surgical appliances, the treatment of emergencies and minor surgery is also given.

In the fourth year the students serve as clinical clerks at the Victoria General Hospital, the Children's Hospital and at the Dalhousie Public Health Clinic. They also attend clinical lectures and conferences. The course of Anaesthesia consists of a few lectures and practical instruction in groups of two at the Victoria General Hospital. Orthopaedic Clinics are held at the Children's Hospital and at the Dalhousie Public Health Clinic.

XVI. Urology and Dermatology

Professor.....	Frank G. Mack.
Instructor in Clinical Urology.....	G. A. Winfield.
Demonstrators in Clinical Urology.....	Flanagan J. Murray, R. O. Jones, H. G. Quigley, B. F. Graham.

In the third year a brief course of lectures is given in Urology.

In the fourth year about fifteen clinical lectures and demonstrations are given in Urology and an equal number in Dermatology and Syphilology. For those the class attends at the Victoria General Hospital. The class is divided into groups for clinical instruction in those subjects at the Dalhousie Public Health Clinic.

Text Books: *Lowrey and Kirwin: Clinical Urology*, 2nd Ed.

Reference Book: *Sutton: Diseases of the Skin*, 9th Ed.

XVII. Eye, Ear, Nose and Throat Diseases

Professor.....	A. E. Duall, Sr. (<i>Head of Dept.</i>).
Associate Professor.....	H. W. Schwarz.
Assistant Professors.....	H. W. Kirkpatrick, A. E. Duall, Jr., R. H. Stoddard.
Demonstrator.....	D. M. MacIsaac.

*On leave for the duration.

Instruction in the examination of patients begins in the third year. Clinical lectures are given in the fourth year each week throughout the session. Clinical instruction is given to groups of students at the Victoria General Hospital and the Public Health Clinic.

Text Books: May: Diseases of the Eye. Levine: Diseases of the Ear. I. Simon Hall: Diseases of the Ear, Nose and Throat. W. Wallace Morrison: Diseases of Nose, Throat and Ear. Text book of Ophthalmology by Snodgrass & Collier.

XVIII. Radiology

Lecturer.....S. H. Johnston (In charge of Department).

A short course of lectures on X-ray diagnosis and the therapeutics of X-ray and Radium is given in the third year.

The students of the third and fourth years in groups of two receive personal instruction in fluoroscopic demonstration, examination of films and the principles of radio-therapeutics.

XIX. Obstetrics and Gynaecology

Professor.....H. B. Atlee (*Head of Dept.*).
Assistant Professor.....W. G. Colwell.
Lecturer.....K. M. Grant.
Demonstrator of Practical Obstetrics.....P. A. Macdonald, Chief of Clinic.

Obstetrics: A course of lantern and moving picture demonstrations two hours per week is given to the third year. In addition groups in the fourth year are given manikin demonstrations.

In the third and fourth years instruction is given in prenatal care at the Dalhousie Public Health Clinic and at the Grace Maternity Hospital, and students attend in rotation at the Grace Maternity Hospital for clinical instruction in Obstetrics. Students who have acquired proficiency are attached, in rotation, to the "obstetrical unit" for attendance on obstetrical patients at their homes. Fourth year groups attend the Grace Hospital three times a week for rounds.

Gynaecology: A course of preliminary clinical instruction is given in the third year before Christmas at the Victoria General Hospital, after which they attend the general weekly clinic at that institution.

In the fourth year students attend the weekly general clinic and take group instruction at the Victoria General Hospital. Groups from this year also attend the Gynaecological clinic at the Dalhousie Public Health Clinic.

Text Books: Obstetrics: Ten Teachers: Midwifery: Egan: Manual of Midwifery. Book: Obstetrical Practice. Gynaecology: Ten Teachers: Diseases of Women. Curtis: Textbook of Gynaecology.

More Advanced Reading: Obstetrics: DeLee: Principles and Practice of Obstetrics.

XX. Paediatrics

Professors.....G. B. Wiswell (*Head of Dept.*), M. J. Carney.
Associate Professor.....N. B. Coward.
Instructor.....Florence J. Murray.
Demonstrator.....J. G. D. Campbell.

*On leave for the duration.

Lectures begin in the second year, and are continued in the third year on the primary subjects of paediatrics. In the fourth year, weekly lectures are given on the important subjects of paediatrics. A clinical lecture is held twice a week at the Children's Hospital. Group clinical teaching is carried on throughout the session at the Children's Hospital, the Dalhousie Public Health Clinic and the Grace Maternity Hospital.

Text Books: Coffin and Mitchell: Text Book of Paediatrics. Holt and McIntosh: Diseases of Infants and Children. Brown and Tiedell: Common Procedures in the Practice of Paediatrics. Devision: The Complete Paediatrician.

Reference Books: Braunmann: Paediatrics—4 Vols. Garrod, Farrow, Threlfield, Paterson: Diseases of Infants and Children.

Faculty of Dentistry

Preliminary Statement

An agreement was consummated in 1911 between the Board of Governors of Dalhousie University and the Provincial Dental Board of Nova Scotia, whereby the Maritime Dental College was merged into the Faculty of Dentistry of the University.

The instruction in the purely scientific subjects and in the professional subjects common to Dentistry and Medicine is taken by Dental students in common with the students of the Faculties of Arts and Science and of Medicine. Instruction in the Dental subjects is given in the Dental Apartments, in the south wing of the Forrest Building; these include the Infirmary and the Dental Laboratories. Abundant dental infirmary practice is available, and all operations are supervised by practitioners in active dental practice with many years' experience in teaching. The Victoria General Hospital is near by, and affords an ample surgical clinic. The Public Health Clinic contains a group of medical, surgical and dental clinics and laboratories, all in close proximity. In it are carried on adult, school and pre-school-age dental clinics, under the supervision of experienced practitioners, and excellent opportunities are thereby afforded for the study of Preventive Dentistry, Exodontia, Anæsthesia, Diagnosis, etc. The clinics are available to medical as well as dental students, thus promoting the closer association of the two professions. The laboratory of Pathology and Bacteriology which has been erected and equipped by the Hospital Commission in connection with the Victoria General Hospital affords superior facilities for both elementary and advanced study of these subjects.

Provincial Regulations

Students are reminded that the Dental degree does not necessarily qualify for admission to practise in any province, each province having its own regulations for admission, to which a candidate must conform. Particulars regarding these regulations in each of the Maritime Provinces and in Newfoundland may be obtained from the respective Dental Registrars.

Dominion Dental Council

The Dominion Dental Council of Canada is a central organization under the control of the dental profession of Canada. Its object is to erect and maintain a standard of education and ethics for the dental profession, and to conduct professional examinations and issue Certificates of Qualification which will be accepted without further examination by the provinces.* These Certificates are now accepted in all the provinces except Quebec and British Columbia.

Dental students who comply with the Council's Matriculation or Preliminary education requirements and terms of student-ship, and who graduate from an accepted Canadian dental college, and pass the examination of the Council, may be registered in any province in Canada without further examination (British Columbia and Quebec excepted). This privilege is enjoyed by the graduates in Dentistry of this University, as its Matriculation regulations meet the requirements of the Council, and the Faculty of Dentistry is on the accepted list of Canadian Colleges. Graduates are also eligible for admission to the licensing examination in Newfoundland, all the provinces of Canada, and many States, including New York, Massachusetts, Rhode Island and Maryland.

Dental students and graduates are eligible for the examinations of the National Board of Dental Examiners of the United States.

Graduates are exempted from Part I and admitted to Part II of Examinations of the Royal College of Surgeons, London, England, on completion of six months' hospital experience in that country.

General University Regulations

University regulations applicable to the students of all Faculties and relating to residence, church attendance, discipline, etc., will be found on p. 15 *et seq.*

The University, in recognition of its responsibility to the public, and for its own reputation, reserves the right to terminate the attendance of any student at any time should it appear that he is unlikely to reach such a standard, in the judgment of the Senate, as would warrant his admission to the practice of Dentistry. Fees cannot be refunded to students who have been dismissed for any cause.

*For information address Dr. A. J. Best, Secretary of the Dominion Dental Council, Regina, Sask.

Affiliated Courses

A Bachelor of Arts or of Science of this University who has during his Arts or Science course taken the classes of the first year in Dentistry may complete a subsequent Dental course in the University in three years. See pp. 38 and 39.

Academic Year

The Academic Year consists of one session of eight months' duration. The session of 1945-46 will begin on Tuesday, September 11, 1945, and end on Tuesday, May 14, 1946.

No students will be admitted after noon of Monday, September 17.

Degree

The degree conferred in the Faculty of Dentistry is that of Doctor of Dental Surgery (D.D.S.).

Admission of Students

A student will not be admitted to the classes of any year, unless he has passed in all the subjects of the previous year.

Students intending to practise in any province of the Dominion or in another country are reminded that they must conform to all the regulations of that province or country.

No person under seventeen years of age is admitted to any class of the Dental Course.

Entrance Requirements

Full details of the requirements for Entrance will be found on p. 21 *et seq.*

Curriculum*

The course for the degree of Doctor of Dental Surgery extends over four years. The course is as follows:

First Year

Anatomy 1 and Practical Anatomy; Biochemistry 3; Dental and Comparative Dental Anatomy; Embryology; Histology; Physiology 1.

*It is to be distinctly understood that the regulations regarding courses of study, examinations, fees, etc., contained in this calendar are intended for the current year only. Nor does the University hold itself bound to adhere absolutely to the curriculum and conditions laid down.

Second Year

Anatomy 2 and Practical Anatomy; Bacteriology 1; Exodontia; Materia Medica; Metallurgy; Operative Dentistry; Pathology 1; Prosthetic Dentistry and Metallurgy.

Third Year

Crown and Bridge Work; Dental Infirmary; Dental Pathology and Therapeutics; Hospital; Operative Dentistry; Orthodontics; Pathology 2; Prosthetic Dentistry; Radiology; General Surgery.

Fourth Year

Crown and Bridge Work and Ceramics; Dental Infirmary; Hygiene, Preventive and Clinical Dentistry; History, Jurisprudence, Ethics and Economics; Hospital; Operative Dentistry; Oral Surgery, Anesthetics and Physical Diagnosis; Orthodontics; Prosthetic Dentistry.

Regulations for Degree

In addition to the Matriculation or Preliminary examination, candidates for degrees are required to pass four Professional examinations, one at the end of each year of the course, on the dates set in the University Almanac. The examinations are arranged as follows:

First Professional Examination

One paper in each of the following subjects: Dental and Comparative Dental Anatomy; Embryology; one paper and a practical examination in Histology; one paper and an oral and a practical examination in Anatomy, Biochemistry 3 and Physiology 1.

Second Professional Examination

One paper in each of the following: Exodontia; Materia Medica; Operative Dentistry; Pathology; Prosthetic Dentistry and Metallurgy; one paper and an oral examination in Anatomy and Bacteriology; a practical examination in Anatomy.

Third Professional Examination

One paper in each of the following: Crown and Bridge Work; Dental Pathology and Therapeutics; Operative Dentistry; Orthodontics; Prosthetic Dentistry; Radiology; one paper and an oral and a practical examination in Pathology; a practical

examination in Crown and Bridge Work and Ceramics, Operative and Prosthetic Dentistry; and Orthodontics.

Fourth or Final Professional Examination

One paper in History, Jurisprudence, Ethics and Economics; one paper in each of the following: Crown and Bridge Work and Ceramics; Operative Dentistry; Oral Surgery, Anaesthetics and Physical Diagnosis; Orthodontics; Prosthetic Dentistry; a practical examination in Crown and Bridge Work and Ceramics; Operative and Prosthetic Dentistry, and Orthodontics.

Pass and Distinction Lists

The names of candidates successful in the examinations are arranged in the published lists in two divisions, the Pass and Distinction divisions. To pass a candidate must obtain a minimum mark of 50 per cent in each subject.

For Distinction in any subject he must obtain a mark of 75 per cent or over in that subject. The names in the Pass division of the list are arranged in alphabetical order; those in the Distinction list are in order of merit.

Admission to Examinations

Candidates must conform to the following requirements in order to qualify for admission to the Professional examinations:

1. They must attend the prescribed classes of the curriculum regularly and punctually. Certificates indicating less than 90 per cent of attendance upon any class will not in ordinary circumstances be accepted.

2. They must prepare such exercises, reports, etc., as may be prescribed, and in the case of classes involving laboratory or practical work they must complete such work satisfactorily. The practical requirements in Crown and Bridge Work and Ceramics, Operative and Prosthetic Dentistry, and Orthodontics, in the second, third and fourth years must be fulfilled before the theoretical examinations are written.

3. Candidates for the Final Professional examination will be required to subscribe to the following declaration with regard to their age:

Halifax, N. S. _____ 19__

I, the undersigned, being desirous of obtaining the Degree of Doctor of Dental Surgery, do hereby declare that I have attained the age of twenty-one years (or, if the case be otherwise, that, shall have attained the age of twenty-one years before the next graduation day).

(Signed) _____

Supplemental Examinations

A candidate who has failed to pass in not more than two subjects of the Professional examination of any year shall be entitled to supplemental examinations in such subjects, provided he is qualified in attendance and class work for admission to examination.

A candidate who has failed to pass in more than two subjects of any Professional examination shall be required to repeat his attendance and class work in all the subjects of the year.

Supplemental examinations are held on the dates specified in the University Almanac in September and during the regular Professional Examinations in the spring, but at no other times.

Application for admission to a supplemental examination must be made on or before the date set in the University Almanac for receiving applications, on a form to be obtained from the University Office, and must be accompanied by the proper fee. (See p. 153).

Exemptions

Candidates may be exempted from examination in one or more subjects of the first three Professional examinations on presenting certificates of having taken equivalent classes and passed equivalent examinations at any dental college recognized by the Senate for the purpose, and complying with the regulations of the University.

Instruments and Appliances

All the heavier appliances are supplied by the University. The student must provide all other instruments, tools and material for his technic and operative work in both Laboratory and Infirmary. Students are warned not to procure operating instruments until entering College. Each student must have the instruments prescribed and of the particular make selected by the Faculty. Arrangements have been made whereby these may be procured to the best financial advantage. The borrowing of instruments is absolutely forbidden.

Medals and Prizes

For Scholarships and Prizes open to all students of the University see pp. 67-68.

University Medal in Dentistry.—This medal will be awarded on graduation to the student who stands highest in the Final Professional examination, provided he shall obtain Distinction in at least four of the five major subjects of that examination, and shall have reached an exceptionally high standing in the whole four years of his course.

The Dr. Frank Woodbury Memorial Prizes.—These prizes are awarded to students of the final year.

1st—Book Prize to the value of \$20 for the best thesis on an approved dental subject.

2nd—Book Prize to the value of \$15 for the best prosthetic and crown and bridge technic.

3rd—Book Prize to the value of \$15 for the student obtaining highest marks in the infirmary.

The Dr. W. C. Oxner Prize.—This prize will be awarded to the student of the final year showing the highest proficiency in crown and bridge procedure.

The Nova Scotia Dental Association Prizes.—Books to the value of \$25 are divided between the two students who make the best two general averages in all subjects of the Third Professional examination, provided the required standard is reached.

The Dr. W. H. H. Beckwith Prize.—This prize will be awarded to the student showing the highest proficiency in Operative Dentistry in his second and third years.

The Charles Bell Memorial Prizes.—Books to the value of \$25 to be divided between the two students who make the best two general averages in all subjects of the First Professional examination, provided the required standard is reached.

Similar prizes will be awarded for the Second Professional examination.

Fees

All fees and deposits are payable in advance, and until these are paid, the student will not receive credit for attendance upon any class nor be admitted to any examination.

For Registration*

Payable by students taking only one class in the University (including Library Fee of \$5.00)..... \$ 16.00

*Students who register only for the purpose of taking examinations are exempt from the payment of this fee.

Payable by students taking more than one class (including Library Fee of \$5.00)..... \$21.00
 Additional, payable by all students registering after 12 noon on last regular registration day, for each day..... 2.00
 Additional annual fee charged to students from outside the British Empire entered in professional or pre-professional courses... 250.00

For Tuition

Payable by those taking the regular prescribed curriculum, each year..... \$200.00

This includes tuition, hospitals, laboratories and the regular seasonal examinations; but does not include registration, vacation and laboratory deposits and the fees for the support of student organizations.

No reduction will be made in tuition fees payable by a student repeating the regular classes of any one year of the curriculum.

The student must pay the fees for the full year whether the classes are attended for all or part of the course except in the case where he is compelled to withdraw from the University through illness or for some other equally valid and accepted reason.

If such withdrawal takes place before December, one-half of the annual tuition fee will be refunded and if between December 1 and February 1, the student will be allowed to repeat his year at one-half the usual tuition fee.

No return of fees will be made to any student dismissed from classes or from the University.

For Examinations

An application for Examination must be accompanied by the proper fee.

Supplemental examination, each subject..... \$15.00

For Certificates and Diplomas.

An application for a Certificate or Diploma must be accompanied by the proper fee.

*Certificate under the University seal..... \$ 1.00

For D.D.S. Diploma (payable before the fourth year or final examinations, and returnable in case of failure)..... 20.00

Diploma, payable by those attending less than 3 years..... 30.00

Additional fee when a degree is conferred in absentia at the Spring Convocation..... 10.00

See Pages 18 to 20 for

Loan Funds.

Caution Deposit.

Laboratory Deposits.

Fee for support of Student Organizations.

*A Certificate of Standing is issued on request without charge. Additional copies if required will be issued on receipt of 50¢ per copy.

CLASSES OF INSTRUCTION

For the details of Classes in—

Anatomy, and Histology and Embryology.
Physiology.
Biochemistry.
Pathology and Bacteriology.
See p. 136 et seq.

Dental Anatomy and Comparative Dental Anatomy

Professor..... S. G. Ritchie.

Dental Anatomy.—This course includes a study of the contents of the buccal cavity from a dental standpoint. A practical course in tooth carving and dissection of the natural teeth will be carried on in the laboratory.

Comparative Dental Anatomy.—The lectures and demonstrations in this course are designed to be a study in the classification of dental types and theories of evolution of the dental organs from simple to complex forms.

Hygiene, Preventive and Clinical Dentistry

Professor..... J. S. Bagnall.
Demonstrator in Pre-School-Age Public Health Clinic A. Borden Haverstock

This series of lectures given in the final term of the fourth year is designed to emphasize the place of dentistry as a health service. It includes a review of recent research and a discussion of the correlation between dental and systemic disease conditions. The lectures are supplemented by demonstrations in the Victoria General Hospital and in the Pre-School-Age clinic of the Public Health Centre.

Operative Dentistry

Professor..... W. H. H. Beckwith.
Lecturer..... G. A. Chandleigh.

The instruction in this subject begins in the second year. Students in the last two years will be engaged in Infirmary practice daily under the supervision of experienced demonstrators. The work of the final year is designed to instruct the student in the details of Operative practice.

Dental Pathology and Therapeutics.

Lecturer..... A. Borden Haverstock.

The lectures will be given in the third year, with practical demonstrations in the Infirmary throughout the last two years.
Special reference will be made to the pathology of Pyorrhoea Alveolaris.

Materia Medica

Lecturer..... K. F. Woodbury.

This course consists of about twenty-five lectures given in the second year. The student is expected to become familiar with prescription writing and the properties, uses and therapeutic effects of the drugs used in dentistry.

Orthodontics

Professor..... Wm. W. Woodbury.

This subject will be presented in a course of lectures and clinical demonstrations during the last two years.

Oral Surgery, Anaesthesia and Physical Diagnosis

Professor..... F. V. Woodbury.
Lecturer..... A. M. Marshall.

A course of lectures on General Surgery given during the second term of the third year.

Surgery.—A course on Oral Surgery, to be given during the final year, embracing operations which the dental surgeon should be able to perform.

Anaesthesia.—General Anaesthesia will be taught along with Oral Surgery, ample opportunity being given for practical demonstrations.

Physical Diagnosis.—A short course of lectures on systemic diseases related to Medicine.

Exodontia

Lectures..... O. L. Croft.
Demonstrators in the Adair Public Health Clinic..... G. L. Croft,
I. K. Lubetky, P. R. Duxbury, G. M. Dewis, A. G. Nutlay.

Exodontia.—A course of lectures weekly during the second term of the second year, which will include the study of local and general anaesthetics. This course is supplemented by Infirmary practice in the third and fourth years, and by practical work in administration of local anaesthetics and nitrous oxide in the exodontia clinic of the Public Health Centre in the final year.

Text Books: Winter, Berger.

Reference Books: Smith, Thomas Hewitt, DeFord.

Radiology

Lecturer..... H. M. Eaton.

A course of lectures and demonstrations weekly during the third year followed by practical work in the Infirmary.

Text Book: Raper, 7th edition.
Reference Books: McCoy, Thomas, Osgood.

Prosthetic Dentistry

Professors..... S. G. Ritchie, J. S. Bagnall

This course continues throughout the last three years. The instruction is didactic and practical.

Text Books: American Text Book of Prosthetic Dentistry. Kennedy: Partial Dentures.
Reference Books: Prothers, Wilson, Campbell, Nichols.

Crown and Bridge Work and Ceramics

Professor..... W. C. Oxner.

Lecturer..... A. W. Faulkner.

This subject will be presented by lectures, demonstrations and laboratory technic. It will continue throughout the last two years, with Infirmary practice.

Gold and Porcelain, Crown, Bridge and Inlay Construction will receive proper attention. Students who may desire to use their own electrical furnaces will be supplied with electric connections. Precious metals must be supplied by the students for all technic.

Text Book: Dentister.
Reference Books: Everage: Crown and Bridge. Prosser: Crown and Bridge. Gostler: Crown and Bridge. Legro: Ceramics. Capon: Ceramics. Haverstad: Ceramics.

Metallurgy

Lecturer..... J. S. Bagnall.

Demonstrator..... S. G. Ritchie.

A course of lectures during the second year, on the construction, properties and treatment of metals and alloys used in Dentistry. A series of laboratory demonstrations in working and soldering metals.

Reference Books: Bar, Rosenheim, Gibson.

Dental History, Jurisprudence, Ethics and Economics

Lecturers..... G. M. Dewis, A. A. Dunlop,

S. G. Ritchie, F. W. Binnett, W. W. Woodbury.

History.—History and development of Dentistry.

Reference Book: Taylor.

Ethics.—A brief statement of the important principles of morals and obligations of professional men to their patients, other practitioners and the public.

Reference Book: Noyes.

Jurisprudence.—A discussion of the subject as it affects the qualifications and responsibilities of the Dental Surgeon.

Reference Book: Brothers.

Economics.—The students' attention is directed to factors that make for success in dental practice; to a consideration of the rewards of service, and to an appreciation of their values.

Reference Book: Johnson: Success in Dental Practice.

UNIVERSITY LISTS

Degrees Conferred Session 1943-44

Convocation, May 16, 1944

*—Degrees conferred during the session.

**—In absentia.

Honorary Degree of Doctor of Laws

Arthur Frederick Miller, M.D., C.M.
(Dal.), F.R.C.P. (C)..... Kentville, Kings Co.

Master of Arts

Comean, Mary Georgina, B.A. Springhill, Camb. Co.
Martell, Hazel Iris, B.A. Sydney, C. B. Co.
Wilansky, Albert, B.A., B.Sc. St. John's, Nfld.

Master of Science

Archibald, Arthur Kenneth, B.Sc. Halifax
*Bairst, Elizabeth Armour, ..
 B.A. (U.N.B.) .. Chipman, N. B.
Devins, John Clarence, B.Sc. Mahone Bay, Lun. Co.
*Greenblatt, Jayson, B.Sc. Moncton, N. B.
Keeping, Frances Elizabeth, B.Sc.
 (Acadia) .. Kentville, Kings Co.
*Long, Bernard Francis, B.Sc. St. John's, Nfld.
Wood, Alfred Graham, B.Sc. Dartmouth, Hfx. Co.

Bachelor of Arts

Allen, Barbara Mary .. Halifax
Archibald, Joan Dunstan .. Halifax
Belbin, Guy Fraser .. Grand Bank, Nfld.
Bower, Philip Charles .. Upper Ohio, Shel. Co.
Coldwell, David Frederick .. Hantsport, Hants Co.
Collins, Louis William .. Halifax
Corrygann, Donald Heckler (King's) .. Saint John, N. B.
Findley, Kenneth Marryatt .. Halifax
Gordon, Howard Scott .. Halifax
Hawkins, George Stewart .. Milford Station, Hants Co.
Kahn, Robert Ludwig .. Halifax
LeVatice, Woodrow Wilson (King's) .. Sydney, C. B. Co.
MacDermid, Florence Mary .. Baddeck, Vie. Co.
Moros, Susan Longley .. Paradise, Anns. Co.
Myers, Stella Lillian .. Dartmouth, Hfx. Co.
Paton, Ruth Leah .. Halifax
Rogers, Thomas Norton (King's) .. Charlottetown, P. E. I.
Schwartz, Abraham .. Halifax
Sheffman, Abraham .. St. John's, Nfld.
Shields, Edward John (King's) .. Windsor, Hants Co.
*Shields, Lenore Grace MacLeod .. Halifax
Sturgo, Edwin Clifton .. Cloverton, Nfld.
Sutherland, Isot Smith .. Regina, Sask.
Sutherland, Daniel Lawrence .. Pictou
Taylor, Frederic Savary (King's) .. Rothesay, N. B.
Walker, Anne Elizabeth .. Halifax

Bachelor of Science

Amoroso, Arnott Carlos .. Oranjestad, Aruba, N. W. I.
Harry, Muriel Victoria .. Black's Harbour, N. B.
Caulk, Elmer Joseph .. St. John's, Nfld.
Cleveland, Eric Joseph, M. A. Dartmouth, Hfx. Co.
Drysdale, Ronald Douglas .. Halifax
Funt, Boris Lionel .. Halifax
Garson, Freda .. Saint John, N. B.
Grant, Robert Silver .. Halifax
Hagen, William Dolson .. Halifax
Lantz, Gerald Gordon .. Fairview, Hfx. Co.
Macdonald, Helen Jean .. Glace Bay, C. B. Co.
*MacKay, Donald Akriely .. Petite Riviere, Lun. Co.
MacKenzie, Laura Marie .. Halifax
*Maclean, John Gray .. Hopewell, Pic. Co.
Mackley, Anso MacLennan .. Sydney, C. B. Co.
*Mitchell, Kenneth Rosscoe .. Dartmouth, Hfx. Co.
*O'Brien, Ralph Harvey .. Halifax
Rosenblum, Anita .. Glace Bay, C. B. Co.
Sieniewicz, Barbara Louise .. Saint John, N. B.
Spiro, Theodor Horst, B.Com. New Glasgow, Pic. Co.
Stirling, Mary .. Kensington, P. E. I.
Winterbourne, John Anderson .. Halifax

Bachelor of Commerce

Graham, Dorothy Christine .. Halifax
MacInnis, Ruth Morrison .. Shubenacadie, Hants Co.

Bachelor of Laws

Cohen, Reuben, B.A. Moncton, N. B.
*Johnson, Ermione Lorraine Elizabeth,
 B.A. (U.B.C.) .. Vancouver, B. C.
Kinley, Mary Louisa, B.A. Lunenburg
Lawrence, William Robert .. Windsor, Hants Co.
MacIvor, Malcolm Lawrence .. Glace Bay, C. B. Co.
O'Connell, John Charles, B.A. (St.
 F.X.) .. Sydney, C. B. Co.
Parsons, Ralph Austin .. St. John's, Nfld.
Vaughan, Ralph Thomas .. Halifax

Doctor of Medicine and Master of Surgery

Adams, Carl Raymond .. Springhill, Camb. Co.
Bailey, Ralph William McKee .. Sydney, C. B. Co.
Barrs, Alison Houston, B.Sc. (Acadia) .. Rose Bay, Lun. Co.
Bink, Douglas Gordon .. Sackville, N. B.
Beattie, Ronald Ellsworth .. Barrington Passage, Shel. Co.
Davis, Murray McCulloch, B.A. Truro, Col. Co.
Fleming, Adelaide Louise, B.Sc. Halifax
Gass, George Donald .. Sackville, N. B.
Gordon, Charles Alexander .. Campbellton, N. B.
Gough, James .. Corner Brook, Nfld.
Greene, Cyril Burnell, B.Sc. (Acadia) .. Canning, Kings Co.
Guravich, Lionel .. Toronto, Ont.
Hall, Henry Kenneth .. Vancouver, B. C.
Hazen, Frank Creaghan .. Saint John, N. B.

Macdonald, Francis Benedict, B.A. B.Sc. (St. F.X.)	Glace Bay, C. B. Co.
MacDonald, Gordon Murray, B.Sc. (Mt. A.)	Glace Bay, C. B. Co.
Macdonald, Jean, B.A., B.Sc.	Moncton, N. B.
MacDonald, William Douglas	Moncton, N. B.
MacKeigan, Donald Sellers, B.A., B.Sc.	Halifax
McLean, Donald Alexander, B.Sc. (St. F.X.)	Forest Hills, N. Y., U. S. A.
Maek, Frank Gordon	Halifax
Mercer, Arthur Henry, B.A.	Halifax
Murray, Gordon MacGregor	Sydney, C. B. Co.
Murray, Irwin MacKay	Stellarton, P. S. Co.
Pierce, Max Kenneth, B.Sc. (Man.)	Winnipeg, Man.
Potter, Clarence Herbert	Carbonara, Nfld.
Reid, John Burns	Truro, Col. Co.
Roy, Alexander Kerr, B.Sc.	North Sydney, C. B. Co.
Stewart, Harry Leslie	Belle River, P. E. I.
Strickland, Samuel Clyde, B.Sc.	New Glasgow, P. S. Co.
Walt, Cyril John	Corner Brook, Nfld.

Doctor of Dental Surgery

Cameron, Richard Francis	West Gore, Hants Co.
Ervin, Arthur Bines	Stoniesick, Col. Co.
Gordon, James Isaac	Halifax
Jackson, Milford Ross	North Sydney, C. B. Co.
Nathanson, Irving	Halifax
Rice, Robert Nathan Dean	Petticoe, N. B.

Graduate Diploma in Education

Drysdale, Margaret Olive Campbell, B.A.	Halifax
Ernst, Hermoine Marie, B.A. (Mt. St. Vincent)	Halifax
Farquhar, Margaret Jean, B.A.	Halifax
Graves, Marguerite Rebecca, B.A.	Halifax
Shields, Lenora Grace MacLeod, B.A.	Halifax
Tyler, Hilda Evelyn, B.A.	Halifax

Licentiate of Music

Little, Carl Maurice	Campbellton, N. B.
Sullivan, Rosa Ellen, B.A. (Mt. St. Vincent)	Halifax
Zwicker, Vera Margaret	Armdale, Hfx. Co.

Engineering

*Eisenhauer, Daniel Andrew	Lunenburg
Hagen, William Dobson	Halifax
Lantz, Gerald Gordon	Fairview, Hfx. Co.
MacKay, Frank Roland	Tatamagouche, Col. Co.
MacQuarrie, John Robert	Egerton, P. S. Co.
Matheson, Donald Thomas	Halifax
Wickwire, Robert Donald Thomas	Halifax
Winterbourne, John Anderson	Halifax

Hospital Pharmacy Diploma

O'Toole, Ann Elizabeth Marie	Baldock, Vic. Co.
*Sister Mary Felicitas	Saint John, N. B.

HONOURS, PRIZES AND MEDALS**Diplomas of Honour**

English—High Honours	David Frederick Coldwell
Public Administration—Honours	Howard Scott Gordon
Public Administration—Honours	Ruth Lenk Paion

Diploma of Distinction

Distinction	Robert Ludwig Kahn
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Graduation Prize

Avery Prize (First Distinction Graduate)	Robert Ludwig Kahn
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ENTRANCE AND UNDERGRADUATE PRIZES**Entrance Scholarships**

Prince of Wales College Scholarship	Hillard Graham Batt
Memorial University College Scholarship	Robert Douglas Hatcher
Armdale Chapter I.O.D.E. Bursary	Marjorie Teresa Coady
Regional Scholarships:	

First Division

Beryl Lapham Anderson	Hector Melnes Memorial Scholarship
Mary Grant Bisset	Hector Melnes Memorial Scholarship
Edward Neil McKelvey	Hector Melnes Memorial Scholarship

Second Division

Constance Sara Archibald	George H. Campbell Memorial Scholarship
Norman Seymour Black	Bruce Scholarship
Mary Catherine Macdonald	Bruce Scholarship
Alce Thompson Stewart	George H. Campbell Memorial Scholarship

Third Division

Shirley Elizabeth Clark	
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Undergraduate Scholarships and Prizes

George H. Campbell Scholarship (1st yr. Arts and Science)	Shirley Elizabeth Clark
Bruce Scholarship (1st yr. Arts and Science)	James William Edgar Mingo
MacKenzie Scholarship (1st yr. Arts and Science)	David Edmund Pochey
Allan Pollok Scholarship (2nd yr. Arts and Science)	Beryl Lapham Anderson Mary Grant Bisset

North British Society Centennial Bursary (2nd yr. Arts and Science)	Norman Seymour Black
Khaki University Scholarships (3rd yr. Arts and Science)	Laura Jocelyn Bisset John Bernard Hibbitts
Evangelina Chapter, (I.O.D.E.) Scholarship (English)	John Bernard Hibbitts
Hugh Graeme Fraser Memorial Prize (Advanced Chemistry)	James Murray Snow
Archibald MacNeshaan Scholarship (4th yr. English)	David Frederick Coldwell
Wareley Prize (Mathematics)	Alec Thompson Stewart
Studley Quoit Club Prize (Greek 2 and Latin 2)	Boyl Lapham Anderson
Ross Stewart Smith Scholarship (Arts and Science)	Laura Jocelyn Bisset
James L. Hall Scholarship (2nd yr. Engineering)	Arthur Ernest Burgess
Nova Scotia Headmasters' Association Prize (Education)	Margaret Olive Campbell Drysdale, B.A.
Faculty Prizes (Regular course in Law)	
1st yr.	Thomas Gregory Feecey
2nd yr.	Theodore Asquith King, B.A.
3rd yr.	Mary Louisa Kinley, B.A. Reuben Cohen, B.A.
Class of 1910 Prize	Reuben Cohen, B.A. Ralph Austin Parsons
Professor R. J. Bean Prize (1st yr. Histology and Embryology)	James Alfred Scott Wilson
Professor John Cameron Prize (1st yr. Anatomy)	Margaret Sirioli Lewis
Anonymous Prize (2nd yr. Anatomy)	Raymond George Giberson
Andrew James Cowie, M.D., Memorial Medal (4th yr. Obstetrics)	Francis Benedict Macdonald, B.A., B.Sc. (St. F. X.)
Dr. John F. Black Prize (4th yr. Surgery)	Gordon MacGregor Murray
Dr. Clara Olding Prize (4th yr. Medicine)	Francis Benedict Macdonald, B.A., B.Sc. (St. F. X.)
Anonymous Prize (4th yr. Anatomy)	Irwin MacKay Murray
Dr. A. F. Miller Prize (Highest standing in Tuberculosis)	Max Kenneth Pierce, B.Sc. (Man.)
Colonel Murray MacLaren Memorial Award (for service as Intern at the Saint John General Hospital)	Francis Benedict Macdonald, B.A., B.Sc. (St. F. X.) Jean Macdonald, B.A., B.Sc.
Charles Bell Memorial Prizes (1st yr. Dentistry)	1st Arthur Steuermann 2nd Harry Sil Zappier
Charles Bell Memorial Prize (2nd yr. Dentistry)	Stephen Geoffrey Bagnall
Dr. W. C. Oxner Prize (Crown and Bridge)	Robert Nathan Dean Rice

Dr. Frank Woodbury Memorial Prizes:

Laboratory Technique	Robert Nathan Dean Rice
Infirmary	Arthur Hines Ervin
Frank Wyeth Horner Prize (Pharmacy)	Sister Mary Felicitas
National-Canadian Drugs Ltd. Gold Medal	Sister Mary Felicitas
W. H. Dennis Prizes:	
Joseph Howe Poem—1944	1st Kathryn Elisabeth Bean 2nd Robert Ludwig Kahn
James DeMille Essay—1944	1st John Bernard Hibbitts 2nd Abraham Sheffman
Overseas League Essay Prize	Allan Emrys Blakosky

STUDENTS REGISTERED—1944-45

FACULTY OF ARTS AND SCIENCE

Aikens, Harry Forbes	Stollarton, Pic. Co.
Allen, Barbara Mary, B.A.	Halifax
Allen, Rosemary Inder	(K) Halifax
Alley, Dorcas Mary	Charlottetown, P. E. I.
Allsup, Doris Pauline	Halifax
Amiro, Nelson Henry, B.A.	Midville East Pubnico, Yar. Co.
Anderson, Beryl Lapsian	Amherst, Cumb. Co.
Anglin, Dorcas Patricia	Bothwell, N. B.
Anthony, Ruth Marie	Yarmouth
Archibald, Constance Sara	Truro, Col. Co.
Archibald, Eric Frank	Truro, Col. Co.
Aronoff, Knid Bernice	Halifax
Atkins, Elizabeth Margaret	Halifax
Anar, Marjorie Isabel	Sydney, C. B. Co.
Bailey, Arthur Gordon, B.Sc. (Mt. A.)	Woodstock, N. B.
Balcom, Elizabeth Margaret	(K) Halifax
Balcom, William Kenneth	Halifax
Barnett, Ronald Alexander	Halifax
Barnstead, Juanita Marie	(K) Dartmouth, Hfx. Co.
Batt, Hillard Graham	Charlottetown, P. E. I.
Bowch, Hester Anne	Halifax
Bonn, Kathryn Elizabeth	Halifax
Bell, Janet Ray	Halifax
Belya, John Knight	(K) Sackville, N. B.
Bentley, Thomas Keller	Springhill, Camb. Co.
Bent, James Calbert	New Glasgow, Pic. Co.
Bidnoveit, Bernice Bessie	Toronto, Ont.
Bidwell, Roger Grafton Sheffield	Halifax
Bishop, William Marshall	(K) Bridgewater, Lun. Co.
Bisset, Laura Jocelyn	Halifax
Black, Norman Seymour	Amherst, Cumb. Co.
Blakney, Allan Eireya	Bridgewater, Lun. Co.
Blakney, Ralph Edward	Halifax
Blakney, William Gilbert Grover	Hubbards, Hfx. Co.
Bloomer, Julian Cyril Scott	Halifax
Blount, Rosemary Walston	St. John's, Nfld.
Booth, John Merton	Sydney, C. B. Co.
Bowdoin, John Francis	Halifax
Bradbury, Frederick William	Bay Roberts, Nfld.
Brown, Constance Edna	(K) Spryfield, Hfx. Co.
Brown, Philip Gordon Allen Wambolt	(K) Halifax
Brownhill, Donald Hugh	Halifax
Buchanan, Catherine Howe	Halifax
Burgin, Cyril Wilfred	(K) Halifax
Bundy, Jane Aurora	Halifax
Bungay, Rupert William	Halifax
Burgess, Arthur Ernest	Halifax
Burgess, Scott Bryce	Halifax
Burke, David	Halifax

(K) Enrolled in King's College.

Burley, Malcolm Perry	Andover, N. B.
Bura, Kenneth Nicholson	North Shields, Northumberland, England
Burns, Lois Ernestine	Halifax
Button, Clarence Beatty	St. John's, Nfld.
Cameron, John Nelson	Sunny Brae, Pic. Co.
Cameron, Mary Elizabeth Clair	Twine Riviere, Lun. Co.
Cameron, Robert Alan	Halifax
Campbell, Ambrose Leo	Halifax
Campbell, Barbara Jean	Victoria, B. C.
Campbell, George Allen	Halifax
Campbell, Roberta Bailey, B.Sc. (Mt. A.)	Woodstock, N. B.
Cartier, Elizabeth Viola	St. John's, Nfld.
Cass, Eli	Toronto, Ont.
Casta, Athena Dorothea	(K) Arnsdale, Hfx. Co.
Cauls, Elmer Joseph, B.Sc.	St. John's, Nfld.
Chapman, Douglas Lester	Amherst, Cumb. Co.
Chapman, Leon Everett	Dartmouth, Hfx. Co.
Chisholm, Joan Marie	Dartmouth, Hfx. Co.
Churchill, Roy Kingsley	Halifax
Clark, Douglas Southcott	St. John's, Nfld.
Clark, Mary	Calgary, Alta.
Clark, Shirley Elizabeth	Moncton, N. B.
Clarke, Ralph Lancelot	Dartmouth, Hfx. Co.
Clarke, Victor Lancelot	Dartmouth, Hfx. Co.
Cloverton, Robert Angus	Moncton, N. B.
Coady, Marjorie Teresa	Arnsdale, Hfx. Co.
Cochrane, Leta Naomi	River Hebert, Cumb. Co.
Colborne, Blair Baker	Sydney, C. B. Co.
Coldwell, David Frederick, B.A.	Hantsport, Hants Co.
Coleman, Elsie Agnes	Joggins, Camb. Co.
Collings, Ronald Kenneth William	Halifax
Collins, Donald St. Clair	Aylesford, Anns. Co.
Collins, Jean Haskin	Moncton, N. B.
Collins, Louis William, B.A.	Halifax
Colquhoun, Nancy Edson Yale	Sydney, C. B. Co.
Colwell, Garnet James Henry	Halifax
Conroy, Hugh O'Neil	St. John's, Nfld.
Cook, Walter Frank	Lunenburg
Cooley, Ralph Gordon	Halifax
Cooper, Henry Elydes	(K) Halifax
Copp, Stephen Eric	Kingston, Jamaica, B. W. I.
Corkum, Arthur Foster	Lunenburg
Cogle, Yvonne Jean	MeAdam, N. B.
Cousins, Charman Leslie	Halifax
Cowan, Lorraine Isabel	(K) Winnipeg, Man.
Cramer, Marjorie Lee, B.A. (Penn. State College)	Ben Avon, Pa., U. S. A.
Craighton, Bernard Sydney	Arnsdale, Hfx. Co.
Crews, Patrick John Rowell	Glouce Bay, C. B. Co.
Crosby, Joan Margaret	Halifax
Cruikshank, Elsie May	Jullimore, Hfx. Co.
Cunningham, Alfred George	Halifax
Currie, Richard Montgomery	Halifax

(K) Enrolled in King's College.

Dallion, Peter John	Sydney, C. B. Co.
Darsach, Margaret Coelia	Halifax
Daughine, George Albert	Beaver Bank, Hfx. Co.
David, Ruth Jean	New Glasgow, Pis. Co.
David, Sollie	Halifax
Davis, George Webber	Halifax
Delaney, Donald Paul	Halifax
Delap, Elaine Evelyn Catherine Alexander	Halifax
DeMille, Constance Marie	(K) Halifax
Dexter, Carl Edmund	Halifax
Dexter, Earl Freeman	Halifax
Dial, Inderjit	Sangre Grande, Trinidad, B. W. I.
Dickinson, Laurotta Alice	Swastika, Ont.
Dickinson, Thurston Eugene	Woodstock, N. B.
Dinner, Clara	Saint John, N. B.
Donli, Mary Elizabeth, B.A.	Halifax
Doyle, Alexander Weeks	Bedford, Hfx. Co.
Doyle, John James, B.A. (St. F. X.)	Halifax
Duggan, William Norris	Spryfield, Hfx. Co.
Dukeshire, Aiden Greenlade	Clementsport, Anns. Co.
Dunlop, James Donald	Kensington, Que.
Dunlop, Stephen Blair	Halifax
Durnin, Walter Fraser	Bath, N. B.
Edsall, Gerald Heributt	Halifax
Eisenberg, Eugene Jack	Montreal, Que.
Elborthy, Dean George	Vancouver, B. C.
Elliot, Arthur William	Halifax
Ernst, Hermoine Marie, B.A. (Mt. St. Vincent)	Halifax
Ernst, William Alan	Halifax
Ester, Mona Phyllis	(K) Shubenacadie, Hants Co.
Farsday, Arthur Gordon, B.A. (McGill)	Halifax
Farquhar, Alexander James	Halifax
Farquhar, Mary Duffus	Halifax
Faulkner, Kenneth Miles	Halifax
Feaney, Anthony Elias	Kingston, Jamaica, B. W. I.
Feaney, Nelson Solomon	Kingston, Jamaica, B. W. I.
Feaney, Winston Andrew	Kingston, Jamaica, B. W. I.
Ferguson, John Allan	Dartmouth, Hfx. Co.
Ferguson, Philip Henry	New Glasgow, Pis. Co.
Ferguson, Norman Hugh	Port Morien, C. B. Co.
Feron, William Gordon	Halifax
Flynn, Peter James	Halifax
Fochoy, David Edmund	Saint John, N. B.
Forsas, Edgar William, M.A.	Dartmouth, Hfx. Co.
Foster, Jean Maude	(K) New Glasgow, Pis. Co.
Foster, Thomas Ainslie	(K) New Glasgow, Pis. Co.
Fraser, Charles Weldon	Hopewell, Pis. Co.
Fraser, James Kenneth	Halifax
Fraser, Mary Louise, B.A.	Halifax
Fredericks, Hoderiek Gerald	Imperial, Hfx. Co.

(K) Resided in King's College.

Freeman, Helen Isabel Fry	(K) Halifax
French, Harold Vernon, B.Sc. (Acadia)	Clarke's Beach, Nfld.
French, James Bruce, B.Sc.	St. John's, Nfld.
Fry, Margaret Florence	Halifax
Funt, Boris Lionel, B.Sc.	Halifax
Garrett, Hense Jean	Brighton, England
Garrison, Gordon Alfred	Halifax
Garrison, Helen Hylda	Saint John, N. B.
Garson, Mildred Rose	Halifax
Gates, Archibald Dunham	Dartmouth, Hfx. Co.
Gaudine, Philip Bernard	Monte, N. B.
Geddes, Erna Christina	Halifax
Ghetler, David Shulum	Montreal, Que.
Gibson, Isaac Brent	Truro, Col. Co.
Giffin, Carl Cleveland	Halifax
Giffin, Harold Cedric	Halifax
Gilchrist, Thomas Gray	Halifax
Gillis, Janet MacKay	Truro, Col. Co.
Gilroy, Lois Ruth	Halifax
Glube, Harriett Anne	Halifax
Glube, Richard Hillard	Halifax
Godfrey, Jean Isabel	(K) Halifax
Goodfrist, Lawrence, B.Sc. (McGill)	Montreal, Que.
Goodman, Annetta Lerna	New Glasgow, Pis. Co.
Gordon, Alfred	Halifax
Gordon, Miriam Mary	Moncton, N. B.
Gorham, Anne Louise	(K) Halifax
Gorham, Eville	Halifax
Gorsall, Frederick Alexander	Victoria, B. C.
Graco, Edouard John	St. John's, Nfld.
Graham, Jessie Virginia	(K) Halifax
Grandy, Paul Ritchie	Halifax
Graves, Zen Robert Ross	Halifax
Gray, David Alfred	Grandstone, Magdalen Islands, Que.
Guy, Elizabeth Benson	Bridgewater, Lun. Co.
Hall, Lorne Ellsworth	Truro, Col. Co.
Hamilton, Dorothy Grace	Regina, Sask.
Harris, Donald Mitchell	Halifax
Harrison, Kathleen Eads	Halifax
Harshman, Mary Eudora	Sydney, C. B. Co.
Hart, Joyce Thomson	(K) Halifax
Hartling, Arthur Charles	Halifax
Hatcher, Robert Douglas	Halifax
Hawkins, Edith Poppard	St. John's, Nfld.
Heckman, Philip Jeffrey	Millford Station, Hants Co.
Henderson, Alexander Herbert	(K) Bridgewater, Lun. Co.
Hendry, Barbara Anne	(K) Halifax
Hibbets, John Bernard	Halifax
Hickman, Thomas Alexander	Grand Bank, Nfld.
Hill, Emma Edith	Dartmouth, Hfx. Co.
Hill, Henry Gordon	(K) Kingston, Ont.
Hines, Lloyd Carl	Eastern Passage, Hfx. Co.

(K) Resided in King's College.

Hobbs, Cecil	Elliston, Nfld.
Hohn, Flemming	New Glasgow, P.e. Co.
Hopewell, Elaine Ashley	Halifax
Hosier, Carlyle Russell	Tunapuna, Trinidad, B. W. I.
Hyland, Isabel Jean, B.A. (Mt. St. Vincent)	Halifax
Ingraham, Roy Edgar	Louisburg, C. B. Co.
Ingraham, Thomas Robert, B.Sc.	Halifax
Irvine, Christine Isabelle	Bridgetown, Anna. Co.
Istor, Donald Edward	Halifax
Jeffrey, Thomas Ignatius	St. Patrick's, Grenada, B. W. I.
Jedrey, Louise Harriet	Northport, Camb. Co.
Johnston, James William Derek	Halifax
Jones, Helen Patricia Kathleen (K)	Halifax
Joyce, Elizabeth Anne	Halifax
Kahn, Robert Ludwig, B.A.	Halifax
Kaplan, Julia	Stellarton, P.e. Co.
Kelly, William John	Kentville, Kings Co.
Kent, Harold Allan	Halifax
Kerr, Donald Alexander	Halifax
Kerr, Elizabeth Louise	Halifax
Kinball, Robert Guy Edgar	Halifax
Kinley, John James	Lunenburg
Knappe, Margaret Elizabeth, B.Sc.	Port-au-Prince, Nfld.
Knight, Robert Cameron	Halifax
Lamont, Lawrence James	Dartmouth, Hfx. Co.
Lampert, Herbert	Mapeton, N. B.
LeBlanc, Edwin Adford	Halifax
Leverman, Douglas Baldwin	Sollimere, Hfx. Co.
Leverman, Gerald Ronald Edward	Lakeview, Hfx. Co.
Leverman, Graham Stirling	Lakeview, Hfx. Co.
Lewick, Arnold Oscar	Halifax
Levine, Fred Philip	Montreal, Que.
Levin, James Arthur	Saint John, N. B.
Lightfoot, Arthur Thomas	Halifax
Lightfoot, Harold John	Halifax
Linkletter, Zephora Jean, B.A.	Sussexside, P. E. I.
Little, Carl Maurice	Campbellton, N. B.
Little, Donald Malcolm	Saint John, N. B.
Lomas, Alton Anderson	Halifax
Longard, Edward James	Halifax
Luke, Dorothy Rawls	Halifax
Lund, Shirley Roberta	Dartmouth, Hfx. Co.
Lund, Wilfrid Huestis	New Germany, Lun. Co.
Lynds, Ralph Ernest Austen	Sydney, C. B. Co.
Lyons, Carl Owen	Kingston, Jamaica, B. W. I.
McCarthy, Gerald James	Halifax
MacDonald, Alexander Daniel	Sydney, C. B. Co.
MacDonald, Donald Ralph	Framboise, Rich. Co.

(K) Enrolled in King's College.

MacDonald, Errol David	Halifax
MacDonald, Frederick Robert	Halifax
Macdonald, Helen Jean, B.Sc.	Glouce Bay, C. B. Co.
Macdonald, James Arthur	Kentville, Kings Co.
MacDonald, Jamell Wright	Halifax
MacDonald, John Donald	Dartmouth, Hfx. Co.
Macdonald, Mary Catherine	Glouce Bay, C. B. Co.
Macdonald, Mary Irene d'Entremont	Dartmouth, Hfx. Co.
MacDonald, Robert Matthews	Sydney, C. B. Co.
MacDonald, Thomas, B.Sc. (Alberta)	Halifax
MacDougall, John William	Halifax
MacInnis, Cameron	West Hay, Inv. Co.
MacIntosh, John Wilfred	Halifax
McKay, Gerald Howard	Nappan Station, Camb. Co.
McKay, Mary Elizabeth	Wolfville, Kings Co.
McKelvie, James Earl	Halifax
MacKenzie, Eric Arnold	Halifax
MacKenzie, Hugh Gilmour	North Sydney, C. B. Co.
MacKenzie, Ina Catherine	Pictou
MacKenzie, Roy Thomas	Truro, Col. Co.
MacKinlay, Lillian Jean	Glouce Bay, C. B. Co.
MacKinnon, Zella Gertrude	Halifax
McLaren, James Clark	Ottawa, Ont.
MacLean, Ann Kileen	Port Hawkesbury, Inv. Co.
MacLean, Katherine Louise	New Glasgow, P.e. Co.
MacLean, Theresia Germaine	New Waterford, C. B. Co.
MacLeod, Donald Griffin (K)	Halifax
MacLeod, Hugh Donald	Sootsburn, P.e. Co.
MacLeod, Lawrence Melville	Imperoyal, Hfx. Co.
MacLeod, Murray Douglas	New Glasgow, P.e. Co.
MacLeod, William Matthew	Halifax
MacMillan, May Elizabeth Joyce	Halifax
Macpherson, Margaret Gordon	Bridgewater, Lun. Co.
MacQuarrie, Irma Maureen	Halifax
Mackey, William Joseph	Halifax
Mahon, Elizabeth Helen	Halifax
Major, Pauline Isabel	Halifax
Manning, Ruth Eleonor	Falmouth, Hants Co.
Mangolin, Claire Louise	Halifax
Martin, Margorie Hazel	Woodside, Hfx. Co.
Matchett, Mary Catherine Ann	Hillsboro, N. B.
Matheson, Hugh Arnold	Sydney, C. B. Co.
May, Gerald Arthur	Mediam, N. B.
Mayo, Samuel Raymond	Fortune, Nfld.
Meecham, Constance Spencer	New York, N. Y., U. S. A.
Meskin, Victor John	Halifax
Mendonson, Myer	Moncton, N. B.
Merrigan, Michael Vernon	Halifax
Miffin, Arthur Samuel	Catalina, Nfld.
Miller, Donald Job	Sibersmeadie, Hants Co.
Miller, Harold Norman	Montreal, Que.
Miller, Mack Marnal	Montreal, Que.
Mingo, James William Edgar	Halifax
Mintz, May Diana Florence	Halifax

(K) Enrolled in King's College.

Mitchell, Reynold St. Clair	Sydney, C. B. Co.
Moir, Barbara Lillian	Halifax
Monaghan, Theresa Marie	Halifax
Mont, James William	Halifax
Morgan, Cyril Reeves	Arnsdale, Hfx. Co.
Morris, William Frederick	Dartmouth, Hfx. Co.
Morrison, Donald James	Halifax
Morrison, Jessie Walker	Arnsdale, Hfx. Co.
Morrison, Margaret Grace Hunter (K)	Halifax
Morrison, William Alexander	Halifax
Morse, Susan Longley, B.A.	Paradise, Anna. Co.
Mosher, Darrell Richard	Tyros, Col. Co.
Moulton, Richard Walton	Halifax
Murdoch, Margaret Ruth	St. John's, Nfld.
Murray, Joan Campbell	Dartmouth, Hfx. Co.
Myrden, James Allan	Halifax
Nathanson, Jerome Marvin	Sydney, C. B. Co.
Neilsen, John Brian, B.Sc. (Ont. Agric. College)	Glen Valley, B. C.
Nicholson, John Paton	Charlottetown, P. E. I.
Nicholson, Joyce Christine	Baddeck, Vic. Co.
Niel, Marjorie Jean	Halifax
Nofth, Jean Irene	Halifax
Norman, Leverett Morton	Halifax
Nunes, Ferdinand	San Fernando, Trinidad, B. W. I.
Oakley, James Pemberton	Dartmouth, Hfx. Co.
Page, Charlotte Elizabeth	(K) Toronto, Ont.
Pare, Lester John	Halifax
Parker, Anne McLellan	Halifax
Paterson, Ruth Louise	Dartmouth, Hfx. Co.
Patzant, Lewis John	Halifax
Pearson, Harold Robert	Sussex, N. B.
Pentz, Alice Sylvia	Halifax
Perelman, Morris	Saint John, N. B.
Perry, Raymond Lorne	Halifax
Phillips, Virginia Jane	Halifax
Phinney, Catherine Edson Stiven	Halifax
Pike, Alfred Penny	Carleton Place, Nfld.
Pippy, William Gerald	St. John's, Nfld.
Pope, William Robert	Halifax
Potsechin, Leonard	Montreal, Que.
Poulos, Harry Peter	Halifax
Powell, Margaret Ware	Hamilton, Ont.
Power, Henry Edwin	Halifax
Pratt, Heather Douglas	Victoria, B. C.
Pries, Douglas Reed	Halifax
Proctor, Reuben Peter	Arnsdale, Hfx. Co.
Purchase, Donald Walter	Halifax
Rabinovitch, Sydney	Montreal, Que.
Rankin, Pearl	San Fernando, Trinidad, B. W. I.
Rattie, Eleanor Lois	Westville, P.E. Co.

(K) Enrolled in King's College.

Raymond, Philip Brendy	Halifax
Reid, William Arthur	Southport, P. E. I.
Reeves, Elizabeth	Sydney, C. B. Co.
Reid, Neil Douglas	Saint John, N. B.
Reid, Thora Alice	West Saint John, N. B.
Reilly, Charles Austin, M.Sc.	Arnsdale, Hfx. Co.
Rice, Donald Joseph	Millerton, N. B.
Robertson, Mary Josephine	Bridgewater, Lun. Co.
Robertson, Barry Pender	Halifax
Robinson, Arthur Gilbert	Saint John, N. B.
Robinson, Irene Joyce	Annapolis Royal, Anna. Co.
Robin, Marion Ruth	St. John's, Nfld.
Roe, David Bryan	(K) Halifax
Rogers, Douglas Herbert	(K) Halifax
Rooms, Robert Walter	Dartmouth, Hfx. Co.
Roseband, James Addison	Trunaguna, Trinidad, B. W. I.
Rose, James Stephenson	Halifax
Ross, Margot Grant	Saint John, N. B.
Rudderham, William Charles	Sydney, C. B. Co.
Russell, Paul Power	St. John's, Nfld.
Ryan, Patricia Claire	Halifax
Ryan-McNeill, Donald Paul	Halifax
Saffron, Arthur Samuel	Springhill, Camb. Co.
Sager, Adele, M.S. (N.Y.U.)	Dartmouth, Hfx. Co.
Saskin, Benny	Montreal, Que.
Saunders, Catherine Estelle	Stidarton, P.E. Co.
Saunders, James Nisbet	Stidarton, P.E. Co.
Saunders, Ann St. Clair	Halifax
Savary, Margaret Eleanor	Halifax
Sawler, Joyce Bessie	Bridgewater, Lun. Co.
Sawyer, Douglas Everett	Halifax
Schaefer, Roslyn Callbeck Stockton	Halifax
Schrago, Samuel	Dartmouth, Hfx. Co.
Schwartz, Abraham, B.A.	Halifax
Schwartz, Marjorie Elizabeth	Prince's Lodge, Hfx. Co.
Schwartz, Mary Elizabeth	Halifax
Schwartz, Pearl	Halifax
Soderia, Nita Hermione	Halifax
Shand, George Edward	Parroboro, Camb. Co.
Sheffman, Bernard	St. John's, Nfld.
Sheppard, Jessie	Humbermouth, Nfld.
Sheppard, Winifred	Humbermouth, Nfld.
Sherman, Norma Mary	Halifax
Sherwell, Brian	(K) Halifax
Shields, Edward John, B.A.	Windsor, Hants Co.
Shields, Helen Freda	Halifax
Shields, William Ewart Donald	Halifax
Shoet, Edna Dorothy	Corner Brook, Nfld.
Sidel, Jack	St. John's, Nfld.
Silver, Frances Elizabeth	Halifax
Silver, Isabel Joyce	Dartmouth, Hfx. Co.
Silver, Margaret Joan	(K) Halifax
Simon, Lawrence Gordon	Halifax

(K) Enrolled in King's College.

Sister John Bosco, B.Sc. (St. F.X.)	Antigonish
Sister Joseph Ignatia, B.Sc. (St. F.X.)	Antigonish
Smith, Adam Palerson	Halifax
Smith, Charles Haddon	Dartmouth, Hfx. Co.
Smith, George Alastair Sutherland	Sydney, C. B. Co.
Snide, Mary Marjorie Alexandra	Sydney, Acadia, Hants Co.
Snow, James Murray	Halifax
Snuggs, William Herbert	Halifax
Snyder, Irwin Edgar	Montreal, Que.
Somers, Louis Wilfrid	Dartmouth, Hfx. Co.
Soper, Norman Mardoch	(K) Armdale, Hfx. Co.
Stack, Kathleen	Calgary, Alta.
Star, William	Montreal, Que.
Stevens, Philippa Beatrice	Halifax
Stewart, Alice Thompson	Dartmouth, Hfx. Co.
Stewart, Clifford Oswald	Halifax
Stewart, John Thomas	Centre Masquodohoit, Hfx. Co.
Stirling, Joan Elizabeth	Kensington, P. E. I.
Stoddard, Joan Carmen	Halifax
Stodd, Charlotte Hawthorn	Halifax
Sulsky, Benjamin Victor	Montreal, Que.
Swanberg, Julia Aurelia, B.A.	Armdale, Hfx. Co.
Tanton, George Stavert	(K) Dartmouth, Hfx. Co.
Teadale, Donald Kay	Dartmouth, Hfx. Co.
Thistle, Frederick Munroe	Burlington, N. D. Bay, Nfld.
Thompson, Edward Prescott	(K) Bedford, Hfx. Co.
Thompson, Frederic Fraser, B.A.	Sheffield, England
Tilson, Jacqueline Mary	Tilsonburg, Ont.
Tobin, Edna Gerse	Halifax
Troman, Beulah Leah	Halifax
Tuck, Robert Crislow	Halifax
Tulk, Douglas Cecil	Halifax
Vail, Roy Keith	Halifax
Vaughan, Joan Emma	Halifax
Vauzour, Gerald Ralph, B.Sc.	St. John's, Nfld.
Vesely, Evan Niden	Halifax
Verpe, Eula Glovia	Halifax
Vogler, Eveline Bertha	Halifax
Waddell, Winifred Mary	Halifax
Wade, Robert Francis	Halifax
Waldorf, Verne Ross	Halifax
Wallace, Vernon Bruce	Halifax
Warr, George Owen	Saint John, N. B.
Waterfield, Mardo Charles	Dartmouth, Hfx. Co.
Waters, Donald Victor	Dartmouth, Hfx. Co.
Webber, Arthur Wellington	Halifax
Webber, Carl Samuel	Halifax
Weinzer, Helen Sylvia	Halifax
Weiner, Norman Daniel	Halifax
Weir, Donald Andrew	Freepoet, Digby Co.
Wenning, Andrew Stewart	Sydney, C. B. Co.
Whalen, Beryl Marjorie	(K) Halifax

(K) Enrolled in King's College.

Whiston, Arthur Frederick	Bayside, Hfx. Co.
White, Barbara Beatt	Sussex, N. B.
White, David, B.Sc. (McGill)	Montreal, Que.
White, William Andrew	Halifax
Whitehouse, Kathleen Lindsay	Jumper, N. B.
Whiteway, Shirling Giddings	Saint John, P. Co.
Whitman, Ernest Leslie	Halifax
Whyte, Isobel Geraldine	Sydney Mines, C. B. Co.
Wilansky, Donald Cyril	St. John's, Nfld.
Williams, Gwenolyn Elizabeth	Halifax
Wilmot, Isabella Ruth	Moncton, N. B.
Wilson, George Alan	Dartmouth, Hfx. Co.
Wilson, Nancy Jean	Saint John, N. B.
Winsor, Naboth	Wesleyville, Nfld.
Withers, Donald George	Halifax
Withrow, Marion MacCaughin	Springhill, Cumb. Co.
Wolfson, Shirley	Sydney, C. B. Co.
Wong, Grace	New Glasgow, P. Co.
Wong, Lily	New Glasgow, P. Co.
Woodhouse, Margaret Mary	Halifax
Woods, Hyman Leo	Montreal, Que.
Wrathall, Isobel Virginia	Dartmouth, Hfx. Co.
Yendon, Dale Everett	Halifax
Zinek, Robert Wesley	Halifax

Registered for Examinations Only

Baxter, Sidney James	Yarmouth
Beesh, Marjorie Winifred	Joliffe, Hfx. Co.
Burke, Ewart Cecil	St. John's, Nfld.
Carty, William Robertson	Halifax
Chennell, John Maxwell	Westville, P. Co.
Cooke, John Esmonde	Sydney, C. B. Co.
Cosley, Doris Maud	Halifax
Crawford, Vernon D'Oray, B.A. (Mt. A.)	Amburst, Camb. Co.
Fraser, Clarence Macintosh	Kensington, P.E.I.
Gilbert, Harvey Hunt Trot.	Somerset, Bermuda
Gillis, David Allan	Halifax
Hanlon, James Neil	Halifax
Howard, Peter Ernest	Halifax
King, Lewis Harlow	Lockport, Shel. Co.
Kington, John Douglas	Saint John, N. B.
Kirkpatrick, Percy Hugh	Aylesford, Kings Co.
Lindsay, Agnes Mariel	Middle Musquodohoit, Hfx. Co.
MacKenzie, Kenneth Dale	Halifax
MacKinnon, J. F. A.	Moncton, N. B.
MacLeod, John Norman	Glouce Bay, C. B. Co.
Moir, Donald Arthur	Dartmouth, Hfx. Co.
Moulis, William Vincent	Halifax
Munro, Andrew Alborn	Wingscough, Inv. Co.
Ploughman, Harry	Halifax
Sellick, Lester Benjamin	Halifax
Skinner, Charles Martel, B.Sc.	Sydney, C. B. Co.
Swansburg, Robert Harple	Halifax
Tilley, Hubert Martin	Barton, Digby Co.
Tummins, Gordon Daniel	Fredericton, N. B.

FACULTY OF LAW

Third Year

Barry, Kevin Joseph	.....	Curling, Nfld.
Clauey, Frances Gertrude	.....	Vancouver, B. C.
King, Theodore Asquith, B. A.	.....	Brigus, Nfld.
Matthews, Claude	.....	Grand Bank, Nfld.
Proudfoot, William Fraser	.....	Wabana, Nfld.
Reddin, William Arthur, B.A. (Laval)	.....	Southport, P. E. I.

Second Year

Butler, Allan Hawkins	.....	Halifax
Foomey, Thomas Gregory	.....	Campbellton, N. B.
McClavey, Robert Jardine, B.A.	.....	Fredrington, N. B.
Martin, Frederic Shaw	.....	New Perth, P. E. I.
Richardson, Raymond Harvey	.....	Halifax
Sheffman, Abraham, B.A.	.....	St. John's, Nfld.

First Year

Barrow, Reginald Grant, L.Th. (Durham)	.....	New York, N. Y., U. S. A.
Batt, Hillard Graham	.....	Charlottetown, P. E. I.
Blakeney, Allan Emrys	.....	Bridgewater, Lun. Co.
Cunzer, Roy Henderson, B.Sc. (Indiana Tech.)	.....	Halifax
Haley, Martin, B.A. (St. F. X.)	.....	Sydney Mines, C. B. Co.
Harrigan, Gordon Phlippen	.....	Sydney, C. B. Co.
Havey, Clinton Bernard, B.A., B.Sc. (Acadia)	.....	Stewiacke, Col. Co.
Hickman, Thomas Alexander	.....	Grand Bank, Nfld.
Kenny, Kendall James	.....	New Germany, Lun. Co.
MacLeod, Lawrence Malville	.....	Imperoyal, Hfx. Co.
McElin, Arthur Sessand	.....	Catalina, Nfld.
Nicholson, John Paton	.....	Charlottetown, P. E. I.
O'Hearn, Peter Joseph Thomas	.....	Halifax
O'Neil, Thomas Joseph	.....	New Glasgow, Pic. Co.
Ross, John Allister	.....	Sydney, C. B. Co.
Smith, Roy Keith, B.A. (Acadia)	.....	Liverpool, Queens Co.
Taylor, Frederic Savary, B.A.	.....	Hothsay, N. B.

Special Students

Bosdoeningh, Knolly Hoegnarine	.....	San Fernando, Trinidad, B. W. I.
Dels, Henry Lincoln	.....	San Fernando, Trinidad, B. W. I.
Forbes, Frederick Harris	.....	Moncton, N. B.
Telfer, David	.....	Halifax

FACULTY OF MEDICINE

Fifth Year

Akin, Frederiek Leonard	.....	Windsor, Hants Co.
Cole, Philip Andrew	.....	Chester, Lun. Co.
Croughton, Austin MacLennan, B.Sc.	.....	Tatamagouche, Col. Co.
Delby, John Peter, B.Sc. (St. F. X.)	.....	Saint John, N. B.
D'Intino, Carmen Angelo	.....	Sydney, C. B. Co.

Doyle, Charles Edward, B.Sc.	.....	Moncton, N. B.
Edgecombe, Percy Wilson	.....	St. John's, Nfld.
Fitch, Ralph Hull, B.Sc. (Acadia)	.....	Moncton, N. B.
Green, Saul	.....	Halifax
Henderson, Charles Urquhart	.....	St. John's, Nfld.
Honnigar, Gordon Ross	.....	Halifax
Horan, Patrick James	.....	St. John's, Nfld.
Hubar, Maurice	.....	Winnipeg, Man.
Keays, Claude Fraser	.....	Newcastle, N. B.
Kincaide, Cyril Melbourne	.....	Saint John, N. B.
Kinley, Gordon Johnson	.....	Halifax
Locke, Howard Allen, B.A. (McA.)	.....	Liverpool, Queens Co.
MacDonald, John Angus, B.Sc. (St. F. X.)	.....	New Waterford, C. B. Co.
Macdonald, John Philip	.....	Sydney, C. B. Co.
MacDonald, Martin Stanislaus	.....	Halifax
MacDonald, Roderick Glenores	.....	Moncton, N. B.
MacIntosh, Carmen Norman, B.Sc.	.....	Dartmouth, Hfx. Co.
MacKinnon, Kenneth Joseph Chisholm, B.Sc. (St. F. X.)	.....	Antigonish
MacLean, Norman James, B.Sc. (St. F. X.)	.....	Port Hawkesbury, Inv. Co.
McNeil, John Oler	.....	Glace Bay, C. B. Co.
Miller, Walter Douglas	.....	Sussex, N. B.
Morrison, William Ross	.....	Halifax
Morrow, Roy Andrew	.....	West Saint John, N. B.
Morse, William Inglis	.....	Paradise, Anna. Co.
Muir, Donald MacGill, B.Sc. (Acadia)	.....	Shelburne
O'Donnell, Walter James, B.Sc. (Acadia)	.....	Bathurst, N. B.
Ozorn, Harry, B.A. (McGill)	.....	Montreal, Que.
Patterson, Thomas Hill	.....	Belleville, Ont.
Reardon, Charles Henry	.....	Halifax
Roby, Harold Roseve, B.A.	.....	Truro, Col. Co.
Rosenfeld, George Bernard, B.A. (NY.U.)	.....	Brooklyn, N. Y., U. S. A.
M.A. (Col.), M.Sc.	.....	Bridgewater, Lun. Co.
Shaw, George Bernard	.....	Halifax
Smith, Donald Fraser	.....	Halifax
Stewart, Harold Preston	.....	Charlottetown, P. E. I.
Stuart, Frank Kild	.....	West Saint John, N. B.
Thomas, John Philip Wallace	.....	Vancouver, B. C.
Weir, Edward Fraser, B.Sc.	.....	Freeport, Digby Co.
Wilkinson, Allan Albert	.....	Charlo's Beach, Nfld.

Third Year

Archibald, David McDougall	.....	Glace Bay, C. B. Co.
Atkins, Ainsley Scott, B.Sc.	.....	New Glasgow, Pic. Co.
Campbell, James Stewart	.....	Bear River, Digby Co.
Clark, Donald Storr, B.Sc.	.....	Halifax
Colquhoun, Graham Fraser	.....	North Sydney, C. B. Co.
Dawe, Gerald Amphal	.....	St. John's, Nfld.
Deloroy, John Ronald	.....	Tracadie, Antig. Co.
Dirkie, Alfred Reginald	.....	Digby
Franny, Lloyd	.....	Kingston, Jamaica, B. W. I.
Giberson, Raymond George	.....	Helmecville, N. B.
Johnson, Arthur Drysdale	.....	Great Village, Col. Co.
Levitz, Abraham	.....	St. John's, Nfld.
Lindsay, Donald Stuart	.....	Halifax

Leeder, Peter Godfrey	Corner Brook, Nfld.
MacKenzie, Douglas Haig	Sydney Mines, C. B. Co.
Maddin, William Stuart, B.A. (U.B.C.)	Vancouver, B. C.
Miller, Charles Patrick, B.A., B.Sc. (St. F. X.)	New Waterford, C. B. Co.
Moffatt, Garfield MacLeod, B.A. (Mt. A.)	Sydney, C. B. Co.
Redmond, Edwin Benedict	Corner Brook, Nfld.
Etchib, Hailton Gaskin, B.Sc. (Acadia)	Westville, P. Co.
Rosch, Joseph Aloysius	New Waterford, C. B. Co.
Robinson, Barbara Josephine	Marysville, N. B.
Rodger, Kenneth Clark, B.Sc. (Mt. A.)	Amherst, Cumb. Co.
Saunders, George McKenna	Stellarton, P. Co.
Sheppard, George Graham	Sydney, C. B. Co.
Smith, Donnie Watson, B.A. (Mt. A.)	Shubenacadie, Hants Co.
Storrett, Henry Hatch Dent, B.A. (Harvard)	Washington, D. C., U. S. A.
Titus, Arthur Winston, B.Sc.	Yarmouth, Hants Co.
Vaughan, James Avery, B.Sc. (Acadia)	Windsor, Hants Co.
Washburn, Robert Edwin	West Saint John, N. B.
Wilson, George Ivan	New Dominion, P. E. I.

Second Year

Acker Melvin Irving, B.A. (U.N.B.)	St. Stephen, N. B.
Allen, Lloyd Sharpe	Summerside, P. E. I.
Burdette, Leone Houston	Dundas Centre, P. E. I.
Carton, Arthur Kevin, B.Sc. (St. F. X.)	Fairville, N. B.
Cleveland, Eric Joseph, M.A., B.Sc.	Dartmouth, Hfx. Co.
Connelly, William Clifford	Halifax, N. B.
Cox, Lloyd Sutherland	Mareil, P. E. I.
Deacon, Marcus Allison	Freetown, P. E. I.
Drysdale, Ronald Douglas, B.Sc.	Halifax
Earle, Thomas Harvie	Dereches, N. B.
Epstein, Nathan Bernice	New Waterford, C. B. Co.
Fanjoy, Roy Wilfred	Young's Cove Road, N. B.
Frazer, Frederick Ralph, B.Sc.	Halifax
Frazer, Richard Cameron	New Glasgow, P. Co.
Freedman, Lewis Herbert	Saint John, N. B.
Grant, Robert Silver, B.Sc.	Halifax
Hirtle, Lloyd Roy	Halifax
Joy, Clifton Joseph	Stephenville, Nfld.
Lee, Earl Robert, B.Sc. (St. F. X.)	Frederton, N. B.
Lindt, Randolph Anthony Lopes	Kingston, Jamaica, B. W. I.
McGillivray, Joseph Irving	Amherst, Cumb. Co.
MacLennan, Neil Kenneth	New Glasgow, P. Co.
Metcalf, Donald Carey Francis, B.A. (U.N.B.)	Saint John, N. B.
Milton, Gordon Lockhart	Sackville, N. B.
Misner, Francis Joseph, B.Sc. (St. F. X.)	Glouce Bay, C. B. Co.
Neary, Angus James	St. John's, Nfld.
Neuman, Gregory Martin Albert, B.Sc. (McGill)	Corner Brook, Nfld.
O'Neil, Thomas John	Mundare, Alta.
Roy, Douglas Leonard	Halifax
Rusted, Ian Edwin Lawman Holland, B.A. (Tor.)	Carleton, Nfld.
Saunders, Allison Leeman	Charlottetown, P. E. I.
Shaw, Walter Maynard	Clyde River, P. E. I.
Sigsforth, Pius Manning Walker	Newport, P. E. I.

Stephen, Leonard James	Saint John, N. B.
Stevenson, Lorne John	St. John's, Nfld.
Sutherland, Daniel Lawrence, B.A.	Pictou
Thorpe, Ronald Vincent, B.Sc. (Acadia)	Kentville, Kings Co.
Webber, Freeman Burton, B.A. (Acadia)	Cambridge, Hants Co.
Wilson, James Alfred Scott	Berwick, Kings Co.
Wright, Charles Stewart, B.A. (Tor.)	Toronto, Ont.

First Year

Algic, Gordon Haig	Moncton, N. B.
Arkle, Daphne Winifred	Bethwood, Nfld.
Auld, Robert Waldron	Freetown, P. E. I.
Ballen, Henry Claire	Sydney, C. B. Co.
Bonnell, Mark Lorne	Charlottetown, P. E. I.
Boudreau, Robert Francis	Moncton, N. B.
Brennan, Donald Sinclair, B.Sc. (Acadia)	Kentville, Kings Co.
Brown, James Robert	New Glasgow, P. Co.
Chambers, James Gordon	North Sydney, C. B. Co.
Clayden, Gerald Rosborough	Moncton, N. B.
Cummings, Nellie Myrtle	St. John's, Nfld.
Davis, Gerald Ernest	Oxford, Cumb. Co.
Day, Cecil Maurice	Moncton, N. B.
Favreite, Frank Hyacinthus, B.Sc. (St. F. X.)	New Waterford, C. B. Co.
Frazer, James Little, B.A. (U.B.C.)	Vancouver, B. C.
Fuller, Stewart Carlyle	Yarmouth
Gordon, Ann Marjann	Halifax
Granville, Joseph Owen	Halifax
Hicks, Frank Kevin	St. John's, Nfld.
Hier, David	Montreal, Que.
Hirsch, Solomon	Sydney, C. B. Co.
Hunter, Helen MacKay	Halifax
Jacobson, Horace Harold, B.Sc. (U.N.B.)	Saint John, N. B.
Johnson, Aubrey Edmund	Great Village, Col. Co.
Karvel, Israel, B.A. (Mt. A.)	Sydney, C. B. Co.
Kesting, Douglas Willard Blake	Moncton, N. B.
King, Wilson Charles	St. John's, Nfld.
Knight, Arthur Law	Point du Chene, N. B.
Lesser, Joseph Harris	Saint John, N. B.
McGrath, Frederick Walter	Kentville, Kings Co.
MacInnis, Donald Ross	Shubenacadie, Hants Co.
McKeough, Liam Logue	Sydney Mines, C. B. Co.
McKeough, Thomas James	Sydney Mines, C. B. Co.
MacLellan, John Fraser	Sydney, C. B. Co.
MacLeod, Angus Alexander	Lorne Valley, P. E. I.
MacQuarrie, Robert Waldron	Souris, P. E. I.
Mercer, Alvin Robert	Bishop's Falls, Nfld.
Miller, Robert Bruce	Campbellton, N. B.
Morrows, James William	Charlottetown, P. E. I.
Rigby, John Edward, B.Sc. (Mt. A.)	St. Andrews, N. B.
Roy, Wilfred Gerald	Campbellton, N. B.
Rundle, Lorenzo Gordon	New Glasgow, P. Co.
Sears, Harold Gordon	St. Stephen, N. B.
Smith, Ora Robert	Moncton, N. B.
Teale, Stanley Nelson	Granby, Conn., U. S. A.
Thornhill, John Charles	Halifax
Tompkins, Myles Gregory	Dominion No. 1, C. B. Co.
Townsend, Francis Ralph	Louisburg, C. B. Co.

Tulk, Raymond George	Halifax
Whelan, Patrick Joseph	St. John's, Nfld.

Special Students

Harry, Isabel Rita	Carling, Nfld.
Gerard, Patricia	Halifax
Hillier, Florence Elspeth	Glace Bay, C. B. Co.
Lucas, Elspeth Tinsall	Toronto, Ont.
Nichols, Marjorie Winifred	Dartmouth, Hfx. Co.
Woodman, Lorna Gertrude	Kentville, Kings Co.

FACULTY OF DENTISTRY**Third Year (May-December, 1944)**

Bagnall, Stephen Geoffrey	Halifax
Brown, Sewall Melvin	Bangor, Me., U. S. A.
Fraser, Edwin Dudley	Springhill, Camb. Co.
MacCormack, Harold Philip	Sydney, C. B. Co.
MacIntosh, Charles Alexander	Port Hawkesbury, Inv. Co.
Nower, Lea Baum	Brooklyn, N. Y., U. S. A.
Vautour, Joseph Donald	Richibucto, N. B.
Wolteger, Zygmunt	New York, N. Y., U. S. A.

Second Year

Burke, John Francis	Sydney, C. B. Co.
Chernin, Sidney	Glace Bay, C. B. Co.
Cusack, Cornelius Gullivan, B.A., B.Sc.	
(St. F. X.)	Sydney, C. B. Co.
Dubinsky, Harry, B.Sc.	Sydney, C. B. Co.
Hineb, Arthur Thomas, B.Sc.	Halifax
McDonald, Alexander Vincent, B.Sc.	
(St. F. X.)	New Waterford, C. B. Co.
McMaster, Vincent Almond	Sydney, C. B. Co.
Pentz, Donald Gordon	Saint John, N. B.
Stoesemann, Arthur	Halifax
Zappier, Harry Sil	New York, N. Y., U. S. A.

First Year

Dalton, Ormond Edward, B.Sc. (St.F.X.)	Summerside, P. E. I.
Darcy, James Michael	St. John's, Nfld.
Gaun, Cyril	Sydney, C. B. Co.
Hardy, John Everett	Gasparus Barrachois, C. B. Co.
MacMurdo, William Archibald	Summerside, P. E. I.
McNee, Sydney John	Glace Bay, C. B. Co.
MacNeil, Donald Brendan	Sydney Mines, C. B. Co.
Rogers, Edmund Orensky	Yarmouth
Steeves, Donald Cordie	Moncton, N. B.
Taylor, Holden Frederick	Yarmouth
Ward, Leon Archibald	Moncton, N. B.

Fourth Year (January-August, 1945)

Bagnall, Stephen Geoffrey	Halifax
Brown, Sewall Melvin	Bangor, Me., U. S. A.
Fraser, Edwin Dudley	Springhill, Camb. Co.
MacCormack, Harold Philip	Sydney, C. B. Co.
MacIntosh, Charles Alexander	Port Hawkesbury, Inv. Co.
Nower, Lea Baum	Brooklyn, N. Y., U. S. A.
Vautour, Joseph Donald	Richibucto, N. B.
Wolteger, Zygmunt	New York, N. Y., U. S. A.

