



CALENDAR

OF THE

University of King's College

(Founded A. D. 1789)

HALIFAX, NOVA SCOTIA

1960-61

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172nd SESSION

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Published under the direction of the  
Board of Governors

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# University Almanac 1960-1961

1960

- Aug. 20 Th.—Last day for receiving applications\* for Fall Supplemental Examinations.
- Sept. 24 S. —**Matriculation and Supplemental Arts and Science Examinations†† begin.**  
 —9.30-12.30 a.m., Latin; German.§  
 —2.30-5.30 p.m., English.
- 26 M.—9.30-12.30 a.m., French; Greek.§  
 —2.30-5.30 p.m., Physics.
- 27 Tu.—9.30-12.30 a.m., Geometry.  
 —2.30-5.30 p.m., Chemistry
- 28 W.—9.30-12.30 a.m., Algebra.  
 —2.30-5.30 p.m., Trigonometry; History.§
- 26 M.—**Registration (and payment of Fees) begins in Faculties of Arts and Science, Divinity and Journalism**  
 The only regular registration day for **New Students** from Halifax and Dartmouth.
- 27 Tu.—Registration begins for other New Students in Faculty of Arts and Science.
- 28 W.—Registration begins for other than new students in Faculty of Arts and Science.
- Oct. 1 S. —**12 Noon. Regular Registration† Period for students in Arts and Science, Divinity and Journalism ends.** Halifax students will not be registered on this day.
- 2 S. —University Service with Special Preacher.
- 3 M.—**Results of Matriculation and Supplemental Examinations declared.**  
 —9 a.m. **Classes begin in Arts and Science.**
- 6 Th.—Meeting of Faculty of Arts and Science.
- 10 M.—**Last day for change of courses in Faculty of Arts and Science. §§**  
 M.—**Thanksgiving Day.** No classes (if declared a statutory holiday).

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

†Late Registration requires approval of the Dean of Faculty and extra fee of \$5.00 per day.

††For time table, see Notice Board.

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

§§Charge of \$1.00 for changing course after this date. For classes cancelled after this date see p. 35.

- Nov. 11 F. —Remembrance Day.
- Dec. 9 F. —Last day of lectures in classes in which Christmas Examinations are held.  
 12 M.—**Christmas Examinations begin.**  
 21 W.—1.00 p.m. Christmas vacation begins.

1961

- Jan. 4 W.—9 a.m. **Classes resumed.**
- Mar. 14 Tu.—**Munro Day.** No classes.
- Mar. 31 F.—**Good Friday.** No classes.
- Apr. 21 F.—**Last day of classes.**  
 24 M.—**Spring Examinations begin.††**
- May 11 Th.—**Encaenia Day. King's Convocation—Divinity and Journalism.**  
 12 F.—11 a.m. Meeting of Faculty of Arts and Science.  
 16 Tu.—10.00 a.m. Meeting of Senate.  
 18 Th.—2.30 p.m. **Dalhousie Convocation. Arts and Science Session ends.**

### Office Hours

The King's College Office hours are: Week days 9.00-5.30, Saturdays 9.00-1.00; except June, July and August, 9.30-4.30. The office is closed on Saturday during June, July and August.



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## Academic Staff

## KING'S FACULTY OF ARTS AND SCIENCE

1960-61

**Herbert L. Puxley, M.A. (Oxon et Yale), D.D., (Trinity),** President, President's Lodge, King's College.

**F. Hilton Page, M.A. (Tor.),** Vice-President, Professor of Psychology and Head of Department, 13 Rockcliffe Street.

*FRED* **William Russell Maxwell, B.A. (Dal.), M.A., (Harv.),** Professor of Economics and Head of Department. King's College.

*CANNON* **C. L. Lambertson, M.A. (Alta.), A.M., Ph.D. (Harv.),** Associate Professor of English. 53 Lemarchant Street.

**Frantisek Uhlir, Ph.D. (Prague),** Associate Professor of Sociology. King's College.

**R. MacGregor Dawson, B.A. (Trin.), M.A. (Tor.), B.Litt. (Oxon.),** Assistant Professor of English. King's College.

**Ernest Lloyd Heighton, B.Sc., M.A. (Dal.),** Assistant Professor of Mathematics (King's), 43 Cambridge Street.

**H. S. Granter, B.A. (Dal.), M.A. (Harv.),** Assistant Professor in History, King's College.

**J. P. Atherton, M.A. (Oxon.),** Lecturer in Classics, King's College.

## DIVINITY FACULTY

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**Rev. J. B. Hibbitts, M.A. (Dal.), B.S.Litt. (Vind.), S.T.B-S.T.M. (Gen. Theol. Sem., N. Y.), D.Phil. (Oxon.),** Associate Professor of Biblical Studies.

**Rev. C. W. F. Stone, B.A., B.D. (Vind.),** Associate Professor in Liturgics.

**Rev. Frantisek Uhlir, Ph.D. (Prague),** Associate Professor of Sociology.

**Rev. H. F. Woodhouse, B.A., H.Dip.Ed., D.D. (Dublin),** Professor of Dogmatic Theology.

**Rev. Rodney J. R. Stokoe, B.Sc., B.A., Dip.Th. (Dunelm),** Associate Professor of Pastoralia.

**Rev. Canon W. W. Clarkson, B.S. Litt. (Vind.),** "Alexandra" Lecturer in Sacred Languages.

**Edward Roberts, A.R.C.M.,** Lecturer in Diction and Voice Production.

**Peter John Hawkins, L.T.C.L.,** Lecturer in Church Music.



## University of King's College

### HISTORICAL SKETCH

King's College, established by Act of Legislature in 1789, was founded at Windsor in 1790, and in 1802 a Royal Charter was granted by King George III in which the College is referred to as "the Mother of an University for the education and instruction of youth and students in Arts and Faculties to continue forever and to be called KING'S COLLEGE. It was the first University established in what is now Canada. The first President of the College, Dr. William Cochran, came from King's College, New York, which afterwards changed its name to Columbia, and two other King's Colleges, one at Fredericton and the other at Toronto, were subsequently founded; but King's College, Nova Scotia, is the only one which has survived. Among its Alumni are many famous men who have won honourable distinction in Church and State. The burning of the College residence at Windsor, February 5, 1920, raised afresh the scheme of University Federation for the Maritime Provinces; and a generous offer from the Carnegie Corporation to give a sufficient sum to provide for the Arts course, if the College would move to Halifax and erect buildings there, seemed to the Governors an opportunity which they ought not to let pass. In 1923 a basis of association with Dalhousie University was agreed upon, and the College moved from Windsor to Halifax, and the internal life of the College continued on exactly the same lines as in former years. In 1930 King's established herself permanently in Halifax in commodious new buildings erected on a site deeded to King's by Dalhousie University. King's College provides residences for men and for women students, under supervision of members of the staff, a President's house, administration offices, library, lecture rooms, dining hall, a chapel and a large recreation hall. The buildings are of stone, of fire resistant construction, and are on the same campus and within a few minutes walk of the Dalhousie University buildings.

In May 1941, the King's College buildings were taken over by the R. C. N. as an Officers' Training Establishment, and during the next four years, until May 1945, nearly 4,000 Officers were trained for sea duty with the R. C. N. The students and academic staff of King's carried on during this period through the kindness of Dalhousie University and Pine Hill Divinity Hall.

In 1954 after some years of careful negotiations, the original basis of association with Dalhousie was revised and new articles of association formally signed. These articles restored certain degree-conferring powers to King's, while placing the financial relationship of the two Universities on a more realistic basis. A convention signed in December 1959 modified the 1954 agreement in the light of five years' experience of its operation.

King's retains complete control of her Divinity School as well as of her endowments, administration of residences, etc., but holds in abeyance her degree-conferring powers except in Divinity and other Faculties not forming a part of Dalhousie, and in the granting of honorary degrees.

### ORGANIZATION OF THE UNIVERSITY

**The Board of Governors** is the supreme governing body of the University. It consists of the Bishops of the Dioceses of Nova Scotia and Fredericton, the President of the University, the Vice-President and the Treasurer, together with ten members elected by the Alumni Association, eight by each of the Synods of Nova Scotia and Fredericton and six co-opted members. The Governors have the management of the funds and property of the College, and the power of appointment of the President, professors and officials. The Board appoints an Executive Committee.



## University of King's College

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The University of King's College having entered an association with Dalhousie University, the students of Arts and Science in both institutions must satisfy the same entrance requirements.

All classes in Arts and Science are attended jointly by students of King's and Dalhousie and are given by Dalhousie professors or by professors on the King's Foundation, depending on the courses taken. The Students of both institutions follow the same curriculum, take the same examinations, and must attain the same academic standard.

The academic facilities in Arts and Science are shared by the students of both institutions, and the students of King's College have the added advantage of residential life in King's College buildings on Studley Campus. At the end of a successful course the student receives the same degree as a Dalhousie graduate but his diploma is countersigned by the President of King's College and bears the words "A student of King's College."

**A student of King's College has the advantage of attending classes in a large institution with increased facilities as well as the more intimate and friendly relations of a small residential college.**

Students intending to enter one of the Dalhousie professional schools may take their pre-professional work in Arts and Science as students of King's College and thus assure themselves a place in the King's residence during such course.

### KING'S COLLEGE RESIDENCE

The residential life is the most outstanding feature of King's College, as it brings together students of different temperament and training, to their great benefit.

The residences have been designed with a view to the comfort and convenience of the students, and to facilitate study. Two students occupy a suite of two rooms (bedroom and study), each student has a bed, bureau and closet, and study chairs and tables are provided. The buildings are designed so that it is not necessary to go outside for any student activities.

Students are expected to reside in the College building, provided space is available, but in special circumstances permission may be granted to reside outside. All students are under the immediate charge of the Dean of Residence.

**Any student wishing to spend a night outside residence is required to sign out, leaving particulars of his destination.**

**Applications for admission now greatly exceed available accommodation each year, so that the allocation of a place in the residence is a privilege carrying certain obligations. After October 20th of each year, no student who has been admitted to residence may withdraw therefrom without giving two weeks' notice to the Dean of Residence.**

**Students must provide their own blankets, sheets, pillowslips and towels.**

**Since college cutlery and crockery may not be taken out of the dining room—students are advised to bring cup, plate, knife and spoon as well.**

**All property belonging to students in residence is held by them entirely at their own risk.**

The residence will be open for students from the evening of September 25, 1960, until the morning of December 21, 1960, and from the evening before the day on which lectures commence in January, 1961, to the morning after Encaenia Day, 1961; (in the case of students expecting to receive their degrees this time will be extended to the morning following Dalhousie Convocation). Resident Students in Law and Medicine, and other students with permission of the Registrar may reside in College at other times also—on payment of rent, and when kitchen is open, board.

### Hours

The full advantages of residence life can only be enjoyed where all residents conduct themselves with consideration for others, particularly with regard to noise during hours of study and sleep. Residents are expected to show discretion in the hours of returning to college and retiring to bed, and those who show persistent disregard for the interests of others in this respect will be disciplined.

For one month prior to the beginning of University examinations, quiet hours are in force in the residence throughout the day with the exception of 8-9 a.m., 1 - 2 p.m., 6 - 7 p.m. and 10.30 - 11.00 p.m.

### Guests

**No one who is not a resident student or a member of the staff may be in College after midnight except by permission of the Dean of Residence. Guests are expected to conform to the rules of the College and students will be held responsible for those whom they entertain. Resident students are welcome to bring guests to the dining hall, but are required to pay for them.**

### Intoxicants

The introduction by or for any student of beer, wine, spirits, or any kind of intoxicating liquor into the College is forbidden.

### Fraternities

The various Societies and Clubs are all designed to fill the social and athletic needs of the students. The unique quality of life at King's revolves around the family atmosphere of a small united College. Membership in fraternities and other organizations unconnected with the College tends to break up this unity, and resident students are not encouraged to join them.

### Behaviour

Students are expected to preserve a quiet and orderly behaviour at all times in the halls and corridors of the College especially during the hours of Lectures.

### Chapel

All students, divinity and lay alike, are encouraged to attend the daily morning and evening services in the College Chapel. On Sunday mornings, all are expected to attend the Chapel Service or some other service of their choice.

### Gowns

Students are required to wear academic dress at meetings of Convocation, in Chapel, at Divinity lectures, at dinner in Commons Hall, at tutorials and other formal interviews with the Faculty, and on other occasions when so ordered.

The academic habits shall be such as have been customarily worn in King's College in times past.

### EXPENSES\*

#### Resident Students:

The annual charge for board, light, etc., to Resident Students from Arts and Science registration day until Dalhousie Convocation Day is \$550.00, excluding the Christmas holidays. Students in residence must make a deposit of \$300.00 at the commencement of the first term, the balance of the bill to be paid in February when the account is rendered.

#### Non-Resident Students:

Non-Resident Students must pay for the following at commencement of the first term: Student Body Fees, Gowns and Caps, and any tuition fees payable to the University of King's College.

#### Surcharges:

If deposit is not paid within 21 days of registration day a surcharge of 5% will be charged and a further 2% for each additional complete month until paid. The same applies to charges payable by Non-Resident Students. Bills will be rendered in February and if not paid within 21 days a similar surcharge and interest as above will be added.

\* Payment must be made at par, Halifax, N. S. Please make cheques payable to the University of King's College for the required amount and for convenience add "plus exchange", if outside Halifax area.



### Fee for Student Organizations

At the request of the King's student body, a fee of \$22.00 for men and \$21.00 for women is collected on enrolment from each student who takes more than one class. This fee entitles the student to the privileges of the various student's organizations and clubs, and a copy of the King's College RECORD.

### Caution Deposit

On enrolment each resident student is required to make a deposit of fifteen dollars as caution money to cover damage done to furniture, etc. This amount less deductions will remain a credit on the books until the student **graduates** or **leaves**, when the balance will be returned by cheque. No refund in whole or in part will be made before this.

Each year a student, on returning, is expected to settle for the previous year's deductions so that his credit may be maintained at fifteen dollars.

### Discipline

The Board of Discipline may use any means deemed necessary in order to maintain discipline in the residence and on the premises of the University. It is the duty of the Deans, resident professors, and Students' Council to see that order is maintained. Every professor or officer of the College is required to report any cases of improper conduct that may come under his notice. Students conducting themselves in an unbecoming manner on or beyond the premises of the College during the session may be fined, suspended or expelled.

### WOMEN'S RESIDENCE

The residence for women students is conducted under practically the same regulations as the residence for men.

All residents are under the general supervision of the Dean of Women.

Women students wishing to be out after evening chapel must notify the Dean and state where they are going. Permission must be obtained from the Dean to be out after 11 p.m. and a record is kept of the hour of return of those who have received such permission.

## GENERAL UNIVERSITY REGULATIONS†

### Registration

All students of the University are required to appear in person at registration and 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 Arts or Science class must notify the Registrar.

### Discipline

If a student is required by a Faculty to discontinue attendance in the Faculty solely because he has failed to maintain the required academic standing, he is not regarded as dismissed on grounds of general discipline and his right to be considered for admission to another faculty is unaffected.

When the work of a student is unsatisfactory, or his attendance is irregular without sufficient reason, he may be dismissed from one or more classes, or from the University.

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. A student who is guilty of a wilful infraction of this rule is subject to a fine, the amount to be determined by the nature and duration of absence.

No return of fee 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 ten lectures per week, a period of two laboratory hours being regarded for this purpose as equivalent to one lecture.
- (c) Students who have more than two failures in college subjects.

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

\*These regulations do not apply to the Dramatic Society.

### Tutors

King's professors are always ready to arrange auxiliary classes for King's students who need them. There is also an organization set up by the Student Council under which students who are weak in certain subjects may be tutored by Senior Students specializing in those subjects.

### King's College Library

The library is open every weekday from 9 a.m. to 1 p.m. and every day except Saturday and Sunday from 2 p.m. to 5.30 p.m., and most of the session from 7.00 p.m. to 10.45 p.m.

Books, other than those on the reserved lists, may be taken out by instructors or students and kept for one week.

Books on the reserved lists may be taken out immediately before the closing of the library on any day, and must be returned when it opens on the following morning.

Not more than two books may be borrowed at one time by a student not in an Honours course, nor more than four by a student taking Honours.

Students are given the privilege of borrowing books from the library for the summer. Students using the privilege are required to make a deposit with the Librarian's Office. This deposit is returnable when the books are replaced in the library.

### Dalhousie Libraries

King's students enjoy the same privileges in the Dalhousie Libraries as Dalhousie Students. For regulations and hours see the current Dalhousie calendar.

### Other Libraries

Arrangements can be made for King's students to use the Halifax Public Library, the Nova Scotia Technical College Library, Pine Hill Library and the Legislative Assembly Library.

### Student Employment

The National Employment Service of the Unemployment Insurance Commission in co-operation with the University,

maintain an office on the Campus from September to May (incl.). This is done to assist students in obtaining employment and to assist employers wishing to recruit at Dalhousie and King's.

All students who wish assistance in obtaining part-time summer or graduates seeking permanent employment are urged to register early in October with the University Placement Officer, Room 150, Arts and Administration Building.

There is an opportunity for men students to earn part of their college expenses by working in the Library and Dining Hall.

### STUDENTS' HEALTH SERVICE\*

The Students' Health Service is located at the Dalhousie Public Health Clinic.

1. All students registering for the first time at the University are required to undergo a medical examination at the beginning of the session.

A student is not covered by the Students' Health Service until he has complied with the requirements set out in this section.

2. Appointments for these examinations will be made at the time of registration.

Students are excused from classes to keep such appointments.

3. Annual examinations will be required on all students who are found on admission to be in a low medical category, also on students participating in major sports.

4. The Students' Health Service provides the following services:

- (a) An annual medical questionnaire to be completed at the time of registration.
- (b) Students will be Patch tested yearly and positive reactors will receive a chest x-ray.
- (c) A medical examination of students who request it because of illness \*\*.

\*The fee for this service is \$5.00 per year.

\*\*Physical examination certificates for scholarships, summer employment, etc., are not the responsibility of the Students' Health Service.

- (d) A medical service for minor ailments at the Dalhousie Public Health Clinic from 12.15 noon to 1.15 p.m. daily except Sundays. A student who is too ill to attend the noon clinic or if taken ill outside of clinic hours, should call Student Health, number 3-8438, (24-hour service) for advice. Students who have a family doctor and wish to seek his advice may do so. In cases where outside doctors are used, the student may pay the doctor's fee and bring receipted bill to the Student Health Service office or have the doctor send his bill directly to that office, where he will be reimbursed by the University, at the rate of \$3.00 for the doctors' first visit, \$2.00 for the second, with a limit of \$5.00 for each illness.
- (e) Such medicines (except antitoxin sera, insulin or other unusual preparations) and dressings as may be prescribed.
- (f) A free clinic for immunization against diphtheria, and smallpox (vaccination) is held every Wednesday at 2 p.m. at the Halifax Public Health Clinic.
- (g) Hospitalization:

The Emergency Department of the Victoria General Hospital is available to students if the need arises. If required to enter hospital for observation or treatment during the academic year (excluding Christmas recess) a student, on discharge from the hospital, should present the receipted bill to the Director of the Students' Health Service. Students whose hospital account is not already covered by an insurance plan will be reimbursed by the Business Manager of the University at the rate of nine dollars *per diem* for ward rate, to the extent of six days in any one session\*. If the student uses semi-private or private facilities in the hospital, he must pay all room charges in excess of \$9.00 per diem, and X-ray and laboratory charges if any. For students not admitted to hospital but requiring laboratory and/or X-ray investigation, such services will be paid for by the Students' Health Service up to a maximum of \$30.00, but only if such services have been ordered in advance by the Students' Health Service.

\*May be subject to change consequent to the introduction of Hospital Insurance Plan in the four Atlantic Provinces.

5. The Service does not provide for the following:

- (a) Surgical operations other than in the Public Wards of the Victoria General Hospital.
- (b) Specialist's treatment other than those physicians to whom a student is referred by the Students' Health Service.
- (c) Dental treatment.
- (d) Physician's fee for attendance elsewhere than at the Dalhousie Public Health Clinic, except as stated in Section 4 (d) hereof.
- (e) Illness attributable to misconduct.
- (f) Hospitalization except as stated in Section 4 (g) hereof.
- (g) Any other service not specified in Section 4 hereof.
- (h) Obstetrics, and hospital rates connected therewith.

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

7. 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.

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

9. Coverage under Students' Health Service is for all registered Students with the exception of:

- (a) Students registered for the degree of Bachelor of Nursing Science—for period in hospital only.
- (b) Students in 5th year Medicine.
- (c) Students in Graduate Psychiatry.
- (d) Occasional students.

### Conferring of Degrees

Successful candidates for degrees are required to appear at Convocation in the proper academic costume to have the degree 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

### SERVICES TRAINING

#### University Naval Training Division

The University Naval Training Division constitutes Canada's chief source of supply of naval officers, both permanent and reserve. While students work towards a University degree, they have the opportunity of earning a commission in the Naval Service.

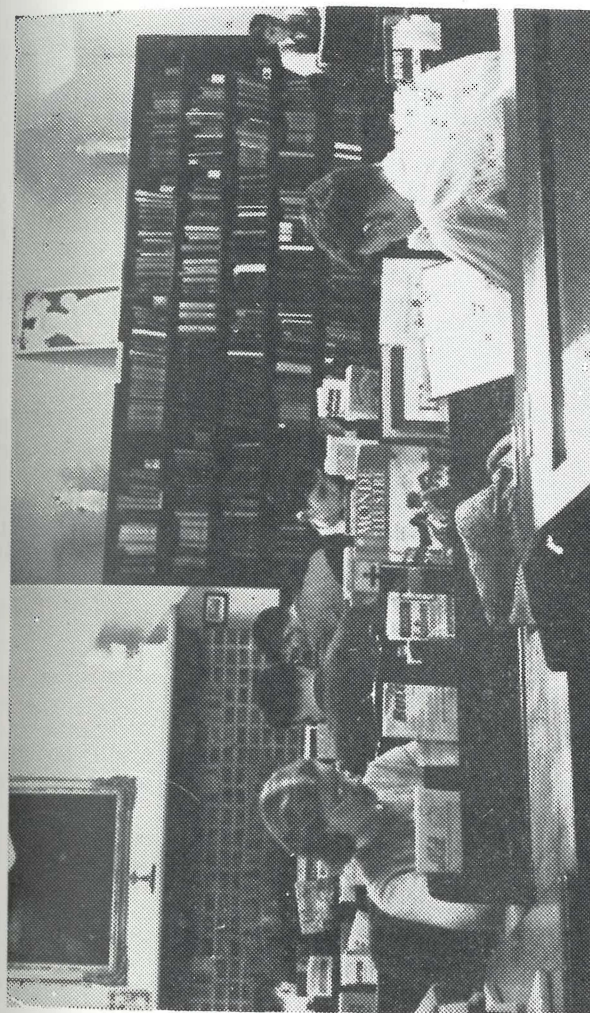
Weekly drills are held one evening a week during the winter and intensive training with generous pay is carried out in ships and establishments during the summer vacation period. Further details may be obtained from the Resident Staff Officer whose office is located in the Dalhousie University Gymnasium.

#### Canadian Officers Training Corps

The Dalhousie-King's Universities Contingent of the Canadian Officers Training Corps provides an opportunity for any male student, who is seventeen years of age and physically fit, to become a qualified officer in the Canadian Army (Active or Reserve).

Theoretical training during the academic year consists of one two-hour evening lecture per week. Practical phase training during the summer months offers a maximum of twenty-two weeks employment at a Corps School. Officer cadets receive full pay and allowances of a second lieutenant during this period. Transportation, room and board, and clothing are supplied at the Corps Schools.

Further details may be obtained from the C.O.T.C. office in the Dalhousie University Gymnasium.



LIBRARY READING ROOM

### **R. C. A. F. Reserve University Squadron**

The Reserve University Squadron provides officer training in the technical, non-technical, and air-crew branches of the Royal Canadian Air Force to male students who meet the R.C.A.F. standards and who are available for three summers of training before graduating from the University.

Cadets receive pilot officer's pay during the summer training period. Squadron lectures are held each Wednesday evening during the winter.

Further details may be obtained from the Resident Staff Officer whose office is in the Dalhousie University Gymnasium.

### **Regular Officers Training Plan**

Approved students may obtain subsidization under the Regular Officers Training Plan by undertaking to do the prescribed cadet training of any of the three services while attending the University and to serve a limited full-time engagement in the regular force on completing their course. Full details may be obtained from any of the Resident Staff Officers or from any recruiting office.

### **Children of War Dead (Education Assistance)**

Children of War Dead (Education Assistance) Act provides fees and monthly allowances for children of veterans whose death was attributable to military service. Enquiries should be directed to the nearest District office of the Department of Veterans Affairs.

## Faculty of Arts and Science

The Academic Year begins Sept. 26th, 1960, and ends May 18th, 1961.

### ADMISSION

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 26th and 27th.

All students entering King's College, in Arts, Science, Pre-Medicine, Pre-Dentistry, Pre-Law and Journalism must enrol with the King's Registrar before registering at Dalhousie.

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 or Law or the degree of Doctor of Medicine and are pursuing a course towards a Master's degree.

**Undergraduates** are students who have completed the requirements for admission and are candidates for a Bachelor's degree, for a degree in a professional course or for a Diploma in an Authorized Course.

**Occasional students** are those who are not candidates for a degree or diploma but who wish to take one university class because of their interest in it. The total cost payable by an occasional student is \$25.00 per class. No class taken on these terms may be offered as a credit towards a degree or diploma at Dalhousie University, and no official transcript will be issued.

A student who wishes to take more than one class without credit towards a degree or diploma at Dalhousie University, may be admitted, if qualified, as a **Special student**.

### Entrance Requirements

To be admitted to a regular course leading to a degree in Arts or Science, a student must have credit for **seven** subjects of Junior Matriculation in (1) English, (2) Algebra, (3) Geometry, (4) a foreign language, (5), (6) and (7), any three from History, Physics, Chemistry, Biology, Trigonometry, Latin, Greek, French, German, Spanish. A mark of 50 per cent in each subject is required, with an average of 60 per cent.

In exceptional cases, students not fulfilling the above requirements **may** be admitted. Such students are considered to be fully matriculated.

### SUBJECTS OF MATRICULATION

The Matriculation examinations will be held at the University from September 24 to 28, 1960. For the time table of the examinations see page 4. Papers of three hours each will be offered on request in the following subjects\*:

English	Greek	Physics
History (British, Ancient or Modern)	Latin	Chemistry
Algebra	French	Biology
Geometry	German	
	Spanish	

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 Registrar's Office before September 15th, 1960.**§

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

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

§Fee must be paid to the Business Office. See page 36.

### 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.**—"The Record of Mankind" (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, progressions, 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.

**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.

See Nova Scotia Programme of Studies, 1959-60 for prescribed texts—Grade XI.

Equivalent work will be accepted for matriculation.

**French.**—Candidates will be expected:

1. To have a good knowledge of Elementary French Grammar, together with a basic vocabulary of about 1000 French words and expressions, as presented in most High School Texts of Grade XI, level (Jr. Matric.) e.g. M. Dondo; "Modern French Course." Lessons 1-45.

2. To be able to translate at sight, simple texts from French into English.

3. To be able to answer simple questions in written French.

**German.**—B. J. Vos: "Essentials of German", Lessons 15-29. Reading from Kastner: "Emil und die Detektive", and A. Wilhelmine: "Einer Muss Heiraten", complete. Equivalent work will be accepted.

**Spanish.**—Hills and Ford: "First Spanish Course" (Heath) to the end of Lessons XXXIV. "Sigamos Leyendo" (Heath), complete. "Adventures de Gil Blas" (Heath), Chapters 1-10 inclusive. Equivalent work will be accepted.

**Chemistry.**—The extent of knowledge expected is such as may be gained from any 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 "New Elementary Physics", by Millikan, Gale and Coyle.

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

### 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:

(a) Certificates of the Common Examining Board of the Atlantic Provinces.

(b) 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.

The pass mark on Grade XI is 50%. Marks of 40% or over on Grade XII subjects may be counted as equivalent to passes in corresponding Grade XI subjects.

(c) Equivalent Certificates issued by Education Departments of other Provinces.

(d) Second Year Certificates issued by Prince of Wales College, Charlottetown, Prince Edward Island.

(e) Certificates of Matriculation Examinations taken at recognized Universities.

- (f) Certificates similar to the above issued by University or other official examining bodies, when found adequate.

**Candidates holding certificates which they wish to offer for exemption as above should forward them for appraisal as early as possible to the Registrar, King's College, Halifax, N. S.**

### ADMISSION WITH ADVANCED STANDING

#### On Grade XII (or XIII) Certificates

Matriculated students may obtain exemption from **not more than five** of the following university classes (which may be chosen from both groups):

**Group A.—Greek 1, Latin 1, French 1, German 1, English 1, History 1, Mathematics 1\*.**

**Group B.—Chemistry 1, Physics 1, Biology 1, Geology 1.**

Exemptions are granted only on the following conditions: For a subject in Group A a student must have obtained a mark of 50 per cent., or more on the Grade XII or XIII certificate;

For a subject in Group B a student must have obtained a mark of at least 75 per cent. on the Grade XII or XIII certificate, must submit a laboratory book which is deemed satisfactory by the Department concerned, and must pass the regular Fall examination set by that Department.

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;

\*Entrance into Mathematics 2, an imperative class for students of Engineering and candidates for the B.Sc. degree, will only be allowed if the Grade XII Mark is at least 70% in both Algebra and Trigonometry.

Grade XIII from Ontario will be accepted if it includes Algebra, Geometry and Trigonometry.

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

- (b) 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, but it should be noted that only students of superior ability can do this. A candidate 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 a 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 satisfactory evidence of good character and academic 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.

\*In the Faculty of Arts and Science "one year's work" is interpreted to mean at least five classes of college grade. These classes shall not include any class taken in affiliated courses.



### AFFILIATED INSTITUTIONS

#### Prince of Wales College

Students who have completed the regular four year course of Prince of Wales College, Charlottetown, P.E.I., and who have graduated with standing equivalent to a High Honours 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 27.

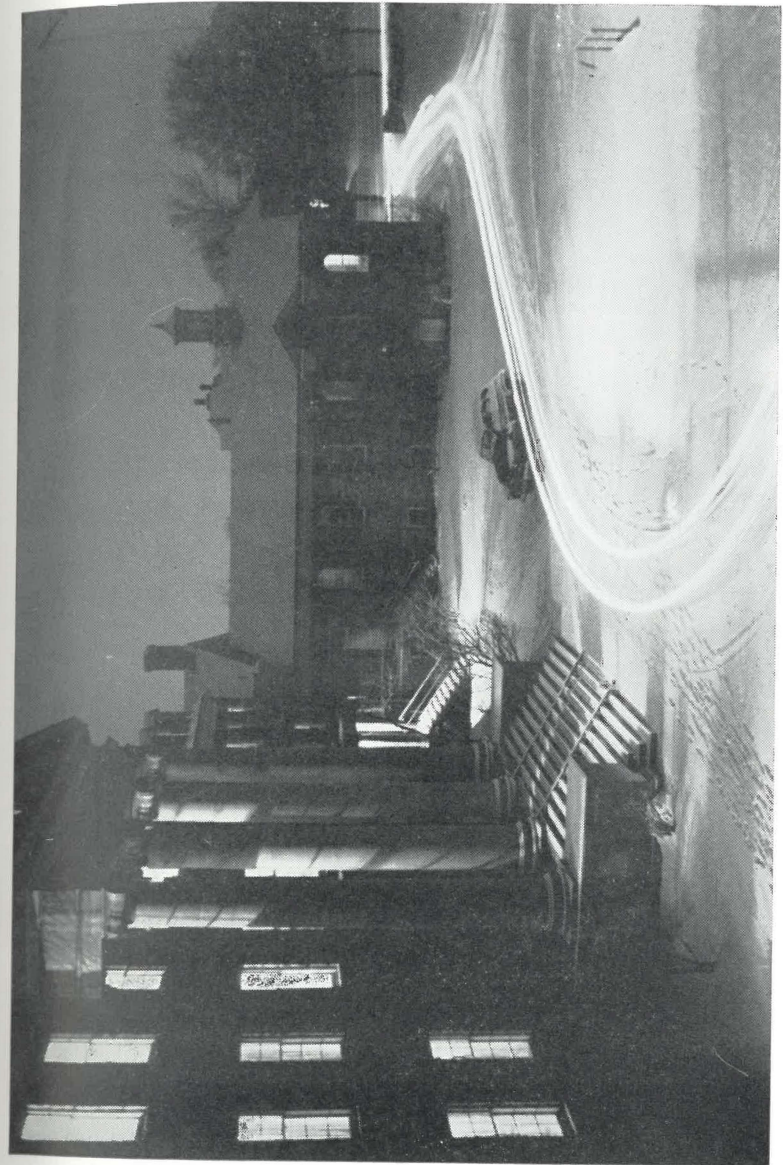
#### Halifax Ladies College

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

### GENERAL FACULTY REGULATIONS

#### Admission to Classes

1. No Undergraduate shall be admitted to a class until he has satisfied the preliminary qualifications (see page 25 et seq.).
2. The list of classes which a student may take should include all possible required classes, before any elective is added, but candidates for admission to Honours courses may have this rule modified on application to the Committee on Studies.
3. Five classes shall be regarded as constituting a normal year's work for a student in good standing, and should not be exceeded without permission of the Committee on Studies.
4. 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.



A WINTER NIGHT

### 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. In determining pass lists 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 25 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 which 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.
6. After his first year of attendance (whether taken at Dalhousie or any other university), a student must pass in at least three classes per year in order to be allowed to return the following year. This will not include supplemental examinations. Note:—Engineering students will be expected to do three-fifths of an ordinary year's work. No credit will be given for any classes taken at another university while the student is inadmissible at Dalhousie.
7. A student who returns to the university after a year's compulsory absence through previous failure must pass three classes at the final Spring examination of the year of his return; failing this he will be denied admission at any future date.

8. All students must be registered and in attendance in the Faculty of Arts and Science in the last year of their degree courses except in the case of students registered in the affiliated courses of Divinity, Law, Medicine or Dentistry.

9. A student wishing to transfer from another university will not be admitted into the Faculty of Arts and Science if he has been refused readmission on academic grounds at the other university.

10. If a student is admitted from another university, he will only be given credit for classes equivalent to those offered by Dalhousie, if such would be credited to him at the other university.

## EXAMINATIONS

### Sessional and Class Examinations

In all 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.

### Class Lists

The names of candidates successful in the examinations are arranged in the published lists in three divisions: First Division 80-100; Second Division 65-79; Third Division 50-64.

## Supplemental and Special Examinations

A student who fails to secure a position on the Pass List in a class, but who has otherwise fulfilled the requirements in class work stated on page 31, 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, provided that no student may write more than two supplemental examinations on the work of any session, or an examination in any class in which he obtained a final mark below 25%. A student who fails to write or pass the Supplemental examination can obtain credit for this class without repeating it 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.

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 Registrar's office on or before August 20, the fee (see page 35) to be remitted with the notice.

**Not more than 5 classes passed by supplemental examinations will be counted towards a degree.**

## PRIVILEGES IN OTHER INSTITUTIONS

The University of Oxford exempts from Responsions an under-graduate 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 the Rhodes Scholarships exempt from the qualifying examination candidates, who are exempted from Responsions by the University of Oxford.

The University of London exempts Bachelors of Kings University from the Preliminary Examinations leading to the LL.B. degree of that University.

\*Students who have failed to pass in any class should carefully note that any examination taken subsequent to the Supplemental examination 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.

## FEES\*

All Fees and Deposits for Tuition are payable in advance and until these are paid the student will not receive credit for attendance upon any class. If more convenient, fees may be paid in two instalments, in which case, the first instalment, payable at Registration, is made up of one-half Tuition Fees plus Incidental Fees, Society Fee, plus an administration charge of \$4.00. The second instalment is payable during the first week of lectures in January.

Students who, by December 1st, have not completed satisfactory arrangements with the Business Office regarding fees will not be permitted to sit for the Christmas examinations. An account of fees is given to the student at registration. Itemized invoices will be forwarded upon request.

Students are required to register on the regular registration date as shown on page 24. Late registration requires approval of the Dean of the faculty and an extra fee of \$5.00 per day.

## INCIDENTAL FEES

A—Registration Fee.....	\$ 5.50	
B—Council of Students Fee.....	26.00	
C—Student Health Service ***.....	5.00	
D—Library Fee.....	5.00	
E—Rink & Athletic Fund.....	3.00	\$44.50

## These incidental fees are payable as follows:

Students registered at Dalhousie and taking more than two classes, (Incl. A, B, C, D, E).....	\$44.50
*Students enrolled at King's College, (Incl. A, C, D)	\$15.50

Occasional Students are not required to pay any incidental fees, and are not entitled to any benefits derived therefrom.

A student taking a class listed under a Faculty other than that in which he is registered, must pay the fee applicable to that Faculty. (Society Fee).

\*In the event of changes in the fee schedule prior to the beginning of a session the fact will be duly publicized. Apply to Business Office for latest schedule.

\*A Student enrolled at King's is required to pay the King's Council of Students Fee of \$22.00 for men or \$20.00 for women to King's College, but not the Dalhousie Council of Students Fee of \$26.00, or the Rink and Athletic Field Fee of \$3.00. However, any King's Student who wishes to participate in the Dalhousie Council of Students activities must pay both of the above Dalhousie Fees, totalling \$26.00. Dalhousie Students Resident at King's must pay a King's Council of Students Fee of \$17.50.

\*\*\*An additional fee may be collected at registration for hospital service for non-Canadian students on those from provinces not having complete hospital insurance.

TUITION FEES  
FACULTY OF ARTS AND SCIENCE

For each class not involving work in laboratory or draughting-room.....	\$68.00
For laboratory classes in Biology, Botany, Chemistry, Geology, Physics and Zoology.....	80.00
For each draughting room class: Drawing, Surveying and Mechanics.....	40.00
For laboratory Deposit per class..... maximum (\$30.00)	15.00
For changing course of study after October 12th.....	1.00
For each class taken in excess of six classes in any one year the tuition fee will be reduced by.....	5.00

## EVENING CLASSES

For students wishing to claim full university credit for a single Arts class (not including Commerce or involving work in a laboratory or drafting room) per class \$68.00 plus \$4.00 registration fee.....	\$72.00
For students not wishing to use the class as a university credit, but wishing to take the examination and obtain a certificate—per class \$41.00 plus \$4.00 registration fee.....	45.00
For students taking the non-credit university classes in Public Administration per class.....	30.00
For students wishing to audit a class without writing an examination or obtaining a certificate of attendance—per class \$31.00 plus \$4.00 registration fee.....	35.00

Should such students attend regularly, complete assignments and pass examinations, they may obtain a certificate or full university credit by paying balance required.

In all other cases regular tuition fees apply. Payments and refunds of fees are in accordance with university regulations.

## FACULTY OF THEOLOGY

Students taking the whole of the Divinity Course will be charged each year.....	\$50.00
Arts students in the affiliated course taking courses in Divinity (each).....	15.00
For Probationary Year in Divinity, fees are as follows:	
Religious Knowledge.....	no charge
English Bible 1 or 2, Greek Bible A (each).....	15.00
Sociology 1, English 1, and either Philosophy 1 or History 1 (each).....	68.00

**JOURNALISM**

Payable to King's College (each)..... \$32.00  
 Arts subjects payable to Dalhousie.

**EXAMINATIONS**

**An application for examination must be accompanied by the proper fee.**

Matriculation Examinations:  
 At Dalhousie, per candidate..... \$ 5.00  
 At an outside centre (each-extra)..... 5.00  
 \*Supplemental Examinations (per examination)  
 Arts and Science..... 12.00  
 \*Special Examinations:  
 Arts and Science..... 12.00  
 Regular Sessional Examinations:  
 Arts and Science..... No charge

For re-marking a paper..... 3.00  
 Application for re-marking must be made in writing to the Registrar within three months of the date of the examination.

For any application accepted after August 20th, an additional fee of \$2.00 per day (maximum \$5.00) must be paid. If application for refund of supplemental examination fee is not made on or before Oct. 15, the fee will be forfeited.

**DIPLOMAS**

**Diploma Fees are payable at Registration in the final year of the course.**

B.A., B.Sc., Journalism Diplomas..... \$10.00  
 Additional fee for any degree conferred in **absentia** at the Spring Convocation..... 10.00

**CERTIFICATES\***

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

Certificates of standing—first copy no charge—additional copies each..... \$1.00

**YEAR BOOK**

An additional fee of \$5.00 is collectable for the Council of the Student, in the year in which a student receives a Degree or a Diploma, entitling the student to the Year Book, published under the auspices of the Council.

**SOCIETY FEES**

A student must pay the Society Fee for the Faculty in which he is registered.

Faculty of Arts and Science..... \$ .50  
 Faculty of Law..... 2.00  
 Faculty of Medicine..... 4.50  
 Faculty of Dentistry..... 3.00  
 Faculty of Graduate Studies..... 2.00  
 School of Nursing..... 1.00

\*No certificate will be issued until all charges owing by the Student to the University have been paid in full.

**REFUND OF FEES**

Within two weeks of registration date, a student may retire from a class or course for which he has registered, and his fee will be refunded.

No refund shall be made for reduction in classes by action of the Faculty, dismissal from classes or from the University, or for a class or classes voluntarily discontinued by the student.

In cases of withdrawal from the University or from a class during a session—the student must obtain an interview with the Dean of his or her Faculty and a written report must be made by the student to the office of the Registrar, stating date and reason for withdrawal. The business office must also be notified by the student. A student withdrawing from the University must report personally to the Business Manager before any refund of tuition fees will be considered.

**King's College students must report AS WELL to the Registrar and Bursar, King's College.**

The above requirements having been completed and approval in each case obtained, the student withdrawing from the University during the session will be charged with:

(a) The proportion of the total tuition and Student Council fee which the number of weeks from registration to notice of withdrawal, bears to the total weeks in session. (A portion of a week attended will be charged as a full week).

The provisions of this section apply also to the refund of King's College Students' Council fee. (See page 34).

(b) All other charges in full.

No reduction will be made in the tuition fees payable by a student repeating a class or course, except as stated above.

**LABORATORY DEPOSITS**

A student taking a class involving laboratory work is required to make a deposit of fifteen dollars (\$15.00) per class, with a maximum of thirty dollars (\$30.00), on registration. This amount, or what remains of it after deducting any charges which may have been incurred for breakage or materials used,

may be claimed by the student at the Business Office at the end of the session.

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

### STUDENT PHOTOGRAPHS

A photograph will be taken of each registered student at registration time. The cost is included in the registration fee.

### DEGREES AND COURSES

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 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 Science with Honours. (See page 42.).

A student in Arts or Science may take the degree in one of two grades:—

- (A) Ordinary Degree. (See below).
- (B) Degree with Honours. (See page 42).

#### (A) Ordinary Course

The twenty units for the ordinary degree must be selected from the following list and arranged in accordance with the table on pages 40-41.

Biology;  
 Chemistry (including Biochemistry);  
 Classics (Greek and Latin);  
 Economics (including Sociology);  
 English Language and Literature (including English Bible);  
 Geology;  
 German;  
 History;

Mathematics;  
 Philosophy;  
 Physics;  
 Political Science;  
 Psychology;  
 Romance Languages (French, Spanish);  
 Russian;

All students registering for the Third and Fourth Years must have their courses approved by the Committee on Studies and Attendance.

An Honours class may be taken as an elective by students not taking Honours, if approved by the Department.

Lists of the classes chosen by students must be submitted for approval not later than Monday, October 10, 1960.

Students expecting to enter the teaching profession are requested to consult the Professor of Education before registration.



TABLE 1

	Course for B.A.		Course for B.Sc.
<b>Units</b>	<b>The ordinary course of study prescribed for the Bachelor of Arts degree consists of the following twenty classes:</b>	<b>Units</b>	<b>The ordinary course of study prescribed for the Bachelor of Science degree consists of the following twenty classes:</b>
6	(i) Two classes in English; one class in Mathematics; three classes in one foreign language.	4	(i) Two classes in English. Two classes in French or in German or Russian.
1	(ii) One class in Biology, Chemistry, Geology, or Physics.	4	(ii) One class in each of the following: Chemistry, Mathematics, Physics, Biology or Geology.
2	(iii) Any <b>two</b> of: a university course in European History, Philosophy 1, Psychology 1.	1	(iii) One class in <b>one</b> of the following: Classical Literature in translation, English, History, Economics, Political Science, Philosophy, Psychology or a Foreign Language. [If a Foreign Language is offered it may be a third class in the language offered in Section (i) above or a class in another language—if the latter is an "A" class (e.g. German A) a second class in the same language must be offered in Section (v), below].
1	(iv) Any <b>one</b> of: Economics 1, Political Science 1, Sociology 1.		
1	(v) Classical Literature in translation or a class in Latin or Greek beyond Latin 1 or Greek 1*.		
6	(vi) Six classes which require a university class as prerequisite selected from not more than two departments.	7	(iv) Seven other classes which require a university class as prerequisite selected from not more than three of the departments of Science and Mathematics.
	<b>Continued on page 41</b>		

\*A student who has elected Latin or Greek to satisfy the language requirements of Section (1) may substitute for this course one additional class in Sections (vi) or (vii).

	Course for B.A.		Course for B.Sc.
3	(vii) *Three elective classes, so that of the nine classes chosen from sections (vi) and (vii) not more than seven are in any one department.  The classes of one full year of the Divinity Course, conducted in the Divinity Faculty of King's College or at Pine Hill Divinity Hall; or the classes of the first year of Law, Medicine or Dentistry may be offered for the three electives.	4	(v) Four other classes, of which Mathematics 2, if not taken in Section (iv) above, must be one.  Candidates taking at least four classes in Geology may offer Drawing 1, Drawing 2, and Surveying 1, as three classes in this group.  Students taking affiliated courses may substitute the classes for the Diploma in Engineering, the classes for first year Medicine or Dentistry, or the classes for the Diploma in Pharmacy for three classes in this group.  Students not taking the affiliated course with Engineering, may count Drawing 1 and Mechanics 2 under this Section.
20		20	

The Faculty strongly recommends that all students take Religious Knowledge in the first year. See page 45.

**ORDER OF CLASSES**

Candidates who intend to take one of the Affiliated Courses, or to enter an Honours Course, should consult the Registrar concerning the proper order of their classes.

**Affiliated Courses**

An undergraduate looking forward to the study of Divinity, Law, Medicine or Dentistry may offer one of the following groups:—In place of the 3 classes of (vii), Table 1.

**For Divinity.**—The classes of the first year.

**For Law.**—The classes of the first year, provided conditions are satisfied for entrance into second year Law.

**For Medicine and Dentistry.**—The classes of first year.

**Honours Courses (B)**

Students of ability and ambition are urged to take a course leading to the Bachelor's degree with Honours. The course entails (a) a certain degree of concentration, (b) additional work in the subject chosen for Honours, (c) a higher quality of work than that for the ordinary Bachelor's degree. The following are the general rules for such a course:

1. A student may obtain Honours in four years from Grade XI if he spends all four years at the University. In certain departments, students who are well prepared may be allowed to obtain Honours in three years from Grade XII.

2. Honours students must be accepted by the department concerned. Their entire plan of study during the last two years of their course must be under the supervision of that department.

3. To obtain Honours, a student must:

(a) observe the rules for the ordinary B.A. or B.Sc. degree as laid down in the Calendar, (p. 40-41).

- (b) take at least five advanced classes prescribed by the department in which he is taking Honours;
- (c) take two additional or special classes—one in the third year and one in the fourth year in the department in which he is doing his Honours work. (These classes shall be primarily for Honours students and may be given in any way that the department may decide.) This means that twenty-two classes are needed for the B.A., B.Sc. degrees with Honours;
- (d) pass a comprehensive examination covering his Honours work at the end of his course;
- (e) make an average of not less than 65% in all his Honours classes. (This includes the five advanced classes, the two additional classes and the comprehensive examination at the end.)

4. In order to obtain **First Class Honours** a student must pass his Honours classes, as above in 3 (e), with an average of at least 80%.

5. A degree with Honours may be obtained in the following departments:

Biology	History
Biochemistry	Mathematics
Chemistry	Modern Languages
Classics	Philosophy
Economics and Sociology	Physics
English Language and Literature	Political Science
French (Romance Languages)	Psychology
Geology	
German (Modern Languages)	



## OTHER COURSES

### Master of Social Work

King's, like most other Maritime Universities, has entered into an agreement with the Maritime School of Social Work to confer the degree of Master of Social Work on those students who have completed successfully the requirements laid down for this degree. For further details a prospective student should write to the Director, Maritime School of Social Work, 150 Coburg Road, Halifax.

### Master of Arts and Master of Science

In accordance with the Terms of Association, a graduate cannot take a Master's degree while enrolled at King's; but the attention of undergraduates is especially drawn to the standing and conditions needed in their courses before being admitted to work for a Master's degree.

### Degree in Education

King's College graduates are eligible for the course leading to a Degree in Education. Education 1 is the only course for which undergraduates are permitted to register.

By arrangement with the Nova Scotia Department of Education, graduates in Arts and Science who have completed the course at Dalhousie University leading to a Degree 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.

### Diploma in Journalism

A School of Journalism was inaugurated in the fall of 1945, under the auspices of the Universities of King's College, Saint Mary's and Mount Saint Vincent College.

This course is one of three years and leads to a Diploma in Journalism.

The Academic subjects are given at the constituent Colleges. The Professional subjects are taken in common, and conducted by practical newspaper and radio people.

## School of Divinity

### ENTRANCE REQUIREMENTS

The normal Divinity course consists of the regular course for the B.A. or B.Sc. (3 years after Senior Matriculation, 4 years after Junior Matriculation) followed by 3 years in Divinity. Thus the normal entrance requirement is matriculation. It is customary for students to be accepted by a Bishop as candidates for ordination before entering the Divinity School, particularly if they are in need of financial assistance. This condition, however, is by no means obligatory, and students may take Divinity courses without being committed to ordination.

Those who already have their degrees will be admitted to the Divinity School direct.

It is most desirable that Divinity Students should reside in the College and take their full share in the privileges and responsibilities of college life. Circumstances in certain cases may move the Divinity Faculty to allow non-residence for part of the course; but students receiving such permission must be prepared to come into residence for at least one full college year.

### COURSE FOR BACHELOR OF ARTS

The course of study prescribed for the Degree of Bachelor of Arts using the affiliated course in Divinity,\* consists of the following eighteen classes:

- (a) Three classes in Greek.
- (b) Two classes in English.
- (c) One in Mathematics.
- (d) **One** class in either Physics, Chemistry, Geology or Biology.
- (e) Any **two** of a University course in European History, Philosophy 1, Psychology 1.
- (f) Any **one** of Economics 1, Political Science 1, Sociology 1.
- (g) Six classes which require a university class as prerequisite selected from not more than two departments.
- (h) One elective in place of Classics 2.
- (i) Religious Knowledge to be taken in the First year.

The student will then qualify for the B. A. upon completion of his first full year of Divinity.

\*Arts students making use of the affiliated course in Divinity must indicate this fact on the University registration card when registering.

### DIVINITY COURSE

The standard academic qualification for ordination is the B. A. (or B.Sc.) followed by the L.Th. The L.Th. will be awarded on the basis of three years' work in the Divinity School (as distinct from the Faculty of Arts and Science). The L.Th. (Hons.) will be awarded to those who, after three years' residence, have passed all the required courses in the complete Divinity course (see below) together with no fewer than 3 Distinction courses and required Field Work. The L.Th. (Pass) will be awarded, at the discretion of the Faculty, to students who, after 3 years in the Divinity School, complete the required courses only, with or without Hebrew.

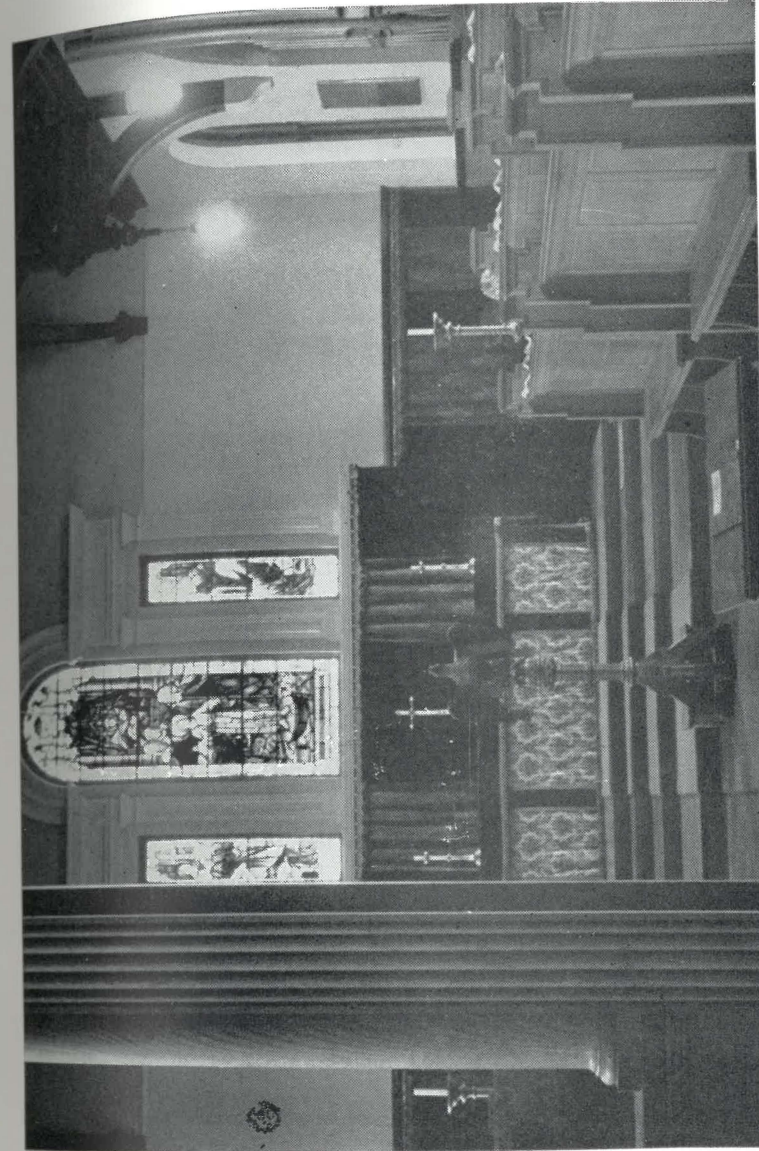
When a student at the instruction of his Bishop leaves the college after only 2 years in the Divinity School, he will be awarded the college Testamur if, he has passed not fewer than 19 required Divinity courses (including 2 in Ceremonial, but excluding Hebrew). The Testamur will be awarded to students who, after 3 years' residence in the Divinity School, fail to qualify for the L.Th., but satisfy the requirements of this paragraph. No academic recognition will be given to any student leaving the college with less than 19 Divinity credits.

Students who have their matriculation may, on the recommendation of a Bishop, be admitted to the Divinity School direct without completing any degree course. In such cases, they must complete a probationary year consisting of Religious Knowledge, English Bible 1 or 2, Greek Bible A, and the following courses in Arts:—Sociology 1, English 1, and either History 1, or Philosophy 1. They must then take three years of Divinity, at the end of which they may qualify for the L.Th. or Testamur as above. The provisions of this paragraph are generally intended for older men and only in exceptional circumstances will be allowed to men under twenty-five years of age.

All Divinity Students and those looking forward to the study of Divinity will consult Professor Stone as to the choice and arrangement of their courses; then if approved by the Dean of Divinity, they will register in the Registrar's Office not later than September 26th. A medical examination by the General Synod physician is required for all students during their first term in Divinity.

No student may write more than three supplemental examinations. A student with more than three failures at the end of a year must repeat the whole year.

The Degree of Bachelor of Sacred Letters (B.S.Litt.) may be taken by Divinity students under the following conditions: The course consists of twenty approved classes in Arts and Science, followed by the complete Divinity course, plus three distinction courses passed with a minimum of 65%. The twenty classes must include a least two in Latin, two in Classical Greek and two in Hebrew.



**KING'S CHAPEL.**—The window is in memory of Dr. C. E. Willetts, former President; The pavement lights in memory of Canon W. S. H. Morris, D.D., and the organ in memory of the Founder of the College, Bishop Chas. Inglis, first overseas Bishop of the Church of England.

Students who have received the B.S.Litt., or other graduate students who have qualified for the Licentiate in Theology, with Hebrew or Septuagint Greek are in a position to proceed to the final examinations for the degree of B.D. under the General Synod Board of Examiners.

### COURSES

The complete Divinity Course consists of all below not marked "Distinction." Hebrew is not required for the L.Th. (Pass) or the Testamur.

**Religious Knowledge**—(Two hours a week). Open to all students of the College.

To be taken in the first year by all students looking forward to Divinity. This course is designed to meet some of the problems faced by the college student in reconciling the old faith with the new learning. The course may be taken by other students, men and women, who desire to do so. It does not count as an Arts credit, and there are no fees.

**Greek Bible A**—Three hours a week. (Not required of those who have taken Greek for their B.A.) An introduction to New Testament Greek.

**Greek Bible 1**—Two hours a week.

Synoptic Gospels, and Introduction to Textual Criticism.

**Greek Bible 2**—One hour a week. St. John.

British and Foreign Bible Society ed., of the Greek New Testament 2nd ed., 1958.

C. K. Barrett: The Gospel according to St. John (S.P.C.K.)

C.H. Dodd: The Interpretation of the Fourth Gospel (CUP)

**Greek Bible 3**—One hour a week. Romans.

British and Foreign Bible Society ed. of the Greek New Testament 2nd ed., 1958

C. K. Barrett: The Epistle to the Romans (Black)

Sanday and Headlam: The Epistle to the Romans (Scribners)

A. Schweitzer: The Mysticism of Paul the Apostle (Black)

**Greek Bible 4**—Septuagint (Distinction).

### Biblical Literature

#### English Bible 1 and 2

An introduction to the English version, designed to provide a basis for future intelligent study of the Scriptures, by acquainting students with their contents, religious and literary values, and construction. A critical analysis of the various books, in the light of modern scholarship, will be undertaken.

**English Bible 1—Old Testament—Two hours a week.**

√ **The Bible**—English Revised Version (OUP)  
 Texts:—R. H. Pfeiffer: **Introduction to the Old Testament** (Harper)

**English Bible 2—New Testament—Two hours a week.**

√ **The Bible**—English Revised Version (OUP)  
 A. H. McNeile: **An Introduction to the Study of the New Testament**, revised ed., by C. S. C. Williams (OUP).

**English Bible 3. Two hours a week.**

The history and literature of Israel from earliest times to 63 B.C. including its early religious, political and cultural development, the theological ideas of the Hebrew prophets, the exile and its effects, and the religious concepts and practice of Judaism in the post-exile period.

√ C. A. Simpson: **Revelation and Response in the Old Testament** (Columbia UP)  
 J. A. Bewer: **The Literature of the Old Testament** (Columbia UP)  
 M. Noth: **The History of Israel** (Black)  
 C. F. Whitley: **The Exilic Age** (Longmans)  
 M. Burrows: **The Dead Sea Scrolls** (Viking Press)  
 D. W. Thomas ed., **Documents from Old Testament Times** (Nelson).

**English Bible 4—Two hours a week**

General introduction to New Testament times; the advent of Jesus Christ, the primitive church and its gospel, St. Paul's life and work, the synoptic gospels, Acts, Hebrews, Revelation, the Fourth Gospel, the Pastoral Epistles, the formation of the New Testament Canon, Manuscripts and Versions.

√ R. H. Pfeiffer: **A History of New Testament Times** (Harper).  
 √ C. K. Barrett (ed): **The New Testament Background, Selected Documents** (S. P. C. K.).  
 √ H. E. W. Turner: **Jesus, Master and Lord** (Mowray)  
 √ D. Nock: **St. Paul** (OUP).

**English Bible 5—(Distinction).  
Aspects of biblical theology.****Church History****Church History 1—Two hours a week**

General Church History to 1500.

**Church History 2—Two hours a week.**

English Church History. The British Church: Celtic and Roman Missions; the Church of England before the Conquest; Growth of the Papal Power. The New Learning and the English Reformation; Puritanism and Erastianism; The Evangelical Revival; the Oxford Movement; the Twentieth Century.

Texts—J. R. H. Moorman: **A History of the Church in England** (Black). H. Bettenson (ed.): **Documents of the Christian Church** (OUP). Bede: **Ecclesiastical History** (Penguin).

**Church History 3—Two hours a week.**

The Modern Church. A general survey since the Reformation. The awakening of the social conscience; missionary and ecumenical movements; church polity, Canon Law.

**Church History 4—(Distinction).**

Continental Reformation and Counter Reformation.

**Hebrew****Hebrew 1—Three hours a week.**

Texts—A. B. Davidson: **An Introduction Hebrew Grammar** (24th or later ed. (Clark). A. R. S. Kennedy, (ed.): **The Book of Ruth, Hebrew Text** (S.P.C.K.)

Grammar and translation, (the first few chapters of Genesis).

**Hebrew 2—(Distinction).**

Selected prose extracts.

Texts—R. Kittel: **Biblia Hebraica** (4th ed.). P. Smith; **The Books, Samuel** (Scribner's).

**Hebrew 3—(Distinction.)**

Selections from Psalms and Prophets.

**Dogmatic Theology****Dogmatics 1—Two hours a week.—Given annually.**

- An outline of the Christian faith based on the Apostles' Creed.
- The history and place of Revelation, Scripture, the Creeds and the 39 Articles.
- The history of Christian doctrine to 461. Stress is laid on the development of doctrine, theological ideas, contemporary thought and movements.

There will be set readings from the Fathers and special attention given to the thought of St. Augustine.

**Dogmatics 2—Two hours a week—given 1960-61.**

The Doctrines of God, Christ, the Holy Spirit and the Trinity; the doctrines of Man and Salvation.

**Dogmatics 3—Two hours a week—not given 1960-61.**

The doctrine of the Church, the Ministry and the Sacraments with special reference to the Anglican position and our relationship to others. Church and State. Modern deviations.

**Dogmatics 4—(Distinction).** Distinction classes will be offered as required, e.g. **The Person and work of Christ, The Person and Work of the Holy Spirit, Problems in Ecclesiology.**

The instruction will take the form of lectures, set readings, guided reading, discussions, preparation and reading of essays and seminars.

E. J. Bicknell "The Thirty-nine Articles" will be studied as a textbook.

### Liturgics

**Liturgics 1**—One hour a week.

Early Christian worship; Primitive Liturgics; Later Liturgical development; the Breviary, Theology of Worship

**Liturgics 2**—Two hours a week.

Sources of the English Prayer Book. History and analysis of the Tudor Books and the present rite.

**Liturgics 3**—One hour a week.

The Prayer Book in the Parish.

**Liturgics 4**—(Distinction).

### Philosophy of Religion

**Philosophy of Religion 1**—One hour a week.

Basic religious concepts.

**Philosophy of Religion 2**—Two hours a week.

Nature and growth of religion. Comparative study of ethnic faiths, Contemporary religious movements, Christian Missions.

**Philosophy of Religion 3**—One hour a week.

Psychology of Religion.

**Philosophy of Religion 4**—(Distinction).

Mediaeval Philosophy.

### Pastoralia

**Homiletics**—One hour a week.

Composition of Sermons, Theory and Practice of Preaching.

**Pastoral Theology**—One hour a week.  
The life of the Parish Priest.

**Moral Theology 1**—One hour a week.

Introduction to Moral Theology.

**Moral Theology 2**—(Distinction).

Practical problems; Pastoral counselling; Christian Social Ethics.

In addition to the above courses, every student in his final year will be apprenticed to a local parish priest for approximately 8 hours of practical work per week.

Facilities will also be available for students desiring to do clinical pastoral training during the summers.

### Ceremonial

**Ceremonial 1**—One hour a week.

Elocution; the reading of services and lessons.

**Ceremonial 2**—One hour a week.

Elements of Church Music.

**Ceremonial 3**—One hour a week.

Conduct of the Services of the Church.

### Sociology

**Sociology 1**—(See course in Arts Calendar).

### RELIGIOUS EDUCATION

Lectures in Religious Education are given by the General Board of Religious Education. The course, which is spread over three years, consists of about 20 lectures, and deals with the following subjects:—

(a) Introduction.

The historical development of the Sunday School and of organized Sunday School work in the Church of England in Canada; the place of the Sunday School in the Church's Educational System.

(b) Organization and Management of Religious Education.

(c) Principles of Teaching.

(d) Psychology of childhood and adolescence in relation to Religious Education.

Each student in the Divinity course is required to pass the annual examination in this subject, as well as to read an approved book on the subject each year and to submit a critical review of the same.

### THE ARCHBISHOP HACKENLEY RURAL LECTURESHIP

(A Diocesan Synod of Nova Scotia Foundation, with supervisor appointed by the Synod and Divinity Faculty and acting under the guidance of the Dean of Divinity).

This course is available to all students and priests and will consist of lectures on the Church's relation to the Rural Community, and Seminars and conferences on the rural pastoral ministry, and the supervision of students working in rural parishes. This course will be integrated with the Diocesan Rural Training School.

#### TUITION FEES

The Tuition for students taking the whole of the Divinity Course will be \$50.00 per year. Arts students taking Divinity courses will be charged \$15.00 each (see page 35).

#### LIBRARY FEE

Divinity students who are not registered for any Arts courses must pay to King's College a Library fee of \$5.00.

#### DEGREES IN DIVINITY

The University of King's College having entered into an agreement with the other Church Universities and Theological Schools in Canada to adopt a uniform standard for Degrees in Divinity, all such Degrees are now conferred by the University in accordance with Canon X of the General Synod of Canada. Particular information concerning the regulations for such Degrees may be had upon application to the Dean of Divinity, or to the President.

#### DIPLOMA OF ASSOCIATE OF KING'S COLLEGE

##### (NOVA SCOTIA)

The Board of Governors of the University of King's College has set up a statute establishing a new diploma to encourage post-ordination studies for those of the clergy who are not eligible as candidates for the B.D., under the following conditions:

1. Possession of the Diploma will qualify the holder thereof to assume the title of "Associate of King's College (Nova Scotia)", [A.K.C. (N.S.)].
2. It is available to priests holding the L.Th. or S.Th. from King's College, and those priests licensed in the Maritime Dioceses holding either diploma or its equivalent.

For application form, syllabus, bibliographies and any other information concerning this Diploma, apply to the Registrar, King's College, Halifax, N. S.

#### SPECIAL FEES

For Title S.Th., L.Th. or A.K.C. (N.S.).....	\$ 12.00
For degree of B.S.Litt.....	10.00
For degree of B.D.....	26.00
For degree of D.D.....	42.00
For examination of Thesis for D.D.....	20.00
Special examinations, each paper.....	5.00
For examination of A.K.C. (N.S.)—(not returnable).....	15.00
Each supplemental Examination.....	5.00
Each special Examination.....	10.00
For degrees conferred in absentia.....	10.00

#### INSTITUTE OF PASTORAL TRAINING

The organization of this Institute, in the collaboration with Pine Hill Divinity Hall and the Divinity School of Acadia University, represents one of the newest projects in theological education on the Canadian scene. It is the objective of the Institute to bring pastors and theological students face to face with human misery as it exists both in and out of institutions, through courses in clinical pastoral education in both general and mental hospitals, reformatories and juvenile courts, homes for the aged, alcoholic treatment centres, and other social agencies.

For those students with a particular aptitude and interest, there will be opportunity for further training to become qualified teachers of these subjects in theological colleges, directors of clinical training courses, and institutional chaplains; also in certain cases to become experts in particular specializations, such as ministering to the mentally ill, or alcoholics, where the church may have a significant role to play in partnership with secular professions.

Other goals of the Institute include the production of teaching materials, the promotion of workshops, and the establishment of a first class library and reference centre at the Institute office.

## School of Journalism

Of the Universities of

KING'S COLLEGE

SAINT MARY'S

MOUNT SAINT VINCENT COLLEGE

The School is conducted under its own Board of Governors.

### Board of Governors:

Chairman—R. J. McCleave, B.A., L.L.B., (Dal.), M.P.

Members —The Rev. Canon H. L. Puxley, M.A., D.D., (President of King's College).

The Very Rev. P. G. Malone, S.J., (President of St. Mary's).

Sister Rosaria, Ph.D., (President of Mount St. Vincent)

Frank W. Doyle, B.A., (Acadia).

Sister Marie Agnes, Mt. St. Vincent.

Secretary—Miss Mary Casey.

### ENTRANCE REQUIREMENTS

Complete Junior matriculation; including English, French, Algebra, Geometry and three from History, Physics, Chemistry, Biology, Trigonometry, Latin, Greek, German or Spanish. An average of 60 per cent. is required with no subject below 50.

### CLASSES OF INSTRUCTION

The course of study prescribed for Diploma in Journalism, consists of fifteen classes.

- (a) English 1, English 2 and one other in English.
- (b) French 1, French 2.
- (c) History 1, History 2.
- (d) Journalism 1, 2 and 3.
- (e) Five classes from the Social Sciences and Humanities.

**Journalism 1:** Introduction to Journalism; as a career; News Values; Theory of Communication; Reporting; News Writing including assignments.

**Journalism 2:** Public Relations; Advertising.

**Journalism 3:** Law and Journalism; Ethics; Special features.

**NOTE:** Practical work is given in each course.

All students entering King's College must register at King's for Journalism in addition to registering at Dalhousie for Arts subjects.

### FEES

Tuition in Arts subjects payable to Dalhousie University at time of Registration. See page 35.

Tuition in Journalism payable to King's College, each class.....\$32.00

Diploma in Journalism..... 10.00



## Diction and Voice Production

EDWARD ROBERTS, A.R.C.M., Lecturer

KING'S COLLEGE

TONE PRODUCTION; DRAMA; PUBLIC SPEAKING;  
PARLIAMENTARY PROCEDURE

CHORIC DRAMA: PROSE: POETRY:

There are two terms of four months each. Sixteen lessons given each term. First term begins Tuesday, September 6th, 1960. Second term begins, Wednesday, January 4th, 1961.

### TUITION FEES

Private lessons, Adults, one hour lesson.....	\$65.00	per term
“ “ Juniors (18 & under) one hour.....	40.00	“ “

### LESSON COVERAGE

**Quality of Voice.** To eliminate a nasal tone, throaty or guttural tone, lack of tone, straining the voice.

**Breathing:** To have this diaphragmatic and easy.

**Pronunciation.** Clear articulation and on proper pitch. Stammering, stuttering, and lisping.

**Enunciation.** Carefully analyzed, for proper phrasing in the speech, with emphasis, pausing and modulation.

**Language: Grammar.** Fitness of words, smoothness of transition.

**Speech Itself.** Composition; introduction, the main body, the recapitulation and conclusion.

## The Atlantic Summer School

For

## Advanced Business Administration

will hold its Eighth Session at  
The University of King's College  
between June 19th and July 23rd, 1960

### Sponsored Jointly by the Universities of:

Acadia, Dalhousie, King's College, Nova Scotia Technical College, Saint Mary's, Mount Allison, Memorial of Nfld, New Brunswick, Saint Francis Xavier, Saint Dunstan's and Prince of Wales College.

### Eighth Session

### EXECUTIVE DEVELOPMENT COURSE

The Faculty is:

**Prof. S. H. Fuller, B.A., A. 1.A., M.B.A., D.C.S.**—"Human Relations and the Administrative Process", (of the Harvard Business School).

**Prof. P. H. Thurston, B.A., M.S., D.B.A.**—"Administering Production Activities", (of the Harvard Business School).

**Prof. H. T. Lewis, B.A., M.A., LL.D.**—"Marketing Administration and Strategy", (of the Harvard Business School).

**Prof. E. A. Maher, B.A., M.B.A.**—"Cost and Financial Administration", (Head of the Department of Business Administration, University of New Brunswick).



## The Maritime School of Social Work Incorporated 1941

In affiliation with the University of King's College and other Maritime Universities, the Maritime School of Social Work provides postgraduate education for Social Work leading to the Master of Social Work Degree.

The School is governed by a Board of Trustees representing all parts of the Atlantic Region.

The Chairman of the Board of Trustees is Manuel I. Zive, Esq., Halifax, N. S.

The Director of the School is L. T. Hancock, M.A.

The Maritime School of Social Work serves the entire Atlantic Region because it is the only training centre for professional Social Work east of Quebec City.

The curriculum of the School conforms to standards set by the Council on Social Work Education which is the accrediting body for Schools of Social Work on the North American continent, and consists of both practical and theoretical training. In addition to participating in classes, seminars, and discussion groups, each student spends a minimum of two days per week practicing Social Work under the supervision of a specially trained instructor, in an established social agency. In this way the student gains practical experience in applying theory to practice. The shortage of trained social work personnel is acute and attractive opportunities await those who seek a profession concerned with the social, emotional and economic problems of mankind.

## SCHOLARSHIPS AND PRIZES

### ARTS AND SCIENCE

An average of 65% must be made to retain scholarships

#### Chancellor's Scholarships\*

Established originally through the generosity of Hon. Ray Lawson, O.B.E., LL.D., D.C.L., former Chancellor of the University and perpetuated by his successors, Chancellor Forsyth and Chancellor Milner, these entrance scholarships are offered each year to students of the Maritime Provinces. They are of an annual value of \$400.00 tenable for four or three years according to whether a student enters with Grade XI or Grade XII. Further particulars may be obtained from the Registrar of King's.

#### King's Foundation Scholarships\*

King's Foundation Scholarships are offered each year by the Board of Governors to students entering college for the first time. Each Scholarship is of an annual value of \$250.00 and is tenable for four years in the case of students entering with Grade XI or three years for those who enter with Grade XII. For further particulars of the conditions governing the award of these scholarships candidates should apply to the Registrar of King's.

#### The President's Scholarships

Three scholarships of \$250.00 to be awarded to the students who make the highest average at the end of the first, second and third year examination and who hold no other scholarship. Awards will only be made to students achieving scholarship standard.

#### Winfield Memorial Entrance Scholarship

One scholarship of \$150.00 a year to be awarded to the fully matriculated student entering college with the best general school record, which must include an average of not less than 65% in matriculation. Applications to be received by the Registrar not later than May 15th. Tenable one year.

#### The Alumni Scholarship

A scholarship of \$200.00 is offered by the Alumni Association to the fully matriculated student of King's College School, Rothesay Collegiate School, Edgehill, Netherwood or Halifax Ladies College, who enters with the highest standing and remains in residence for one year. The winner of this scholarship must not hold any other scholarship.

\*Not tenable by a student who transfers to or affiliates with any Faculty other than Arts or Science.

**Keating Trust Scholarships—\$125**

Two scholarships of the value of \$125 each, tenable for one year, are awarded from a bequest to the College from the Rev. J. Lloyd Keating. These scholarships will be awarded to students entering College with complete matriculation and with outstanding marks in Science. These scholarships, according to the will of the donor, are intended to encourage students, and preferably Divinity students, in the study of chemistry and physics, and scholars will be required to take at least one class in physics or chemistry during the year in which they hold the scholarship.

**The Prince Scholarship—\$1000**

Made available annually by a former graduate of the University in recognition of the pre-eminence in the spheres of education and community leadership of Dr. S. H. Prince, long associated with the University. This scholarship will be open to any student of African extraction, native of Nova Scotia who has completed Grade XI or XII and who wishes to proceed to University to study for a degree in the Faculty of Arts and Science.

For further particulars write the Registrar.

**Halifax-Dartmouth Area High School Entrance Scholarships**

A number of scholarships have been established by the University of King's College for students entering the University from the High Schools of the Halifax-Dartmouth area. These scholarships, will be of a value of \$500 over four years (\$375 for a student entering with Senior Matriculation and graduating in three years).

Application forms may be had from the Registrar, University of King's College, Halifax  
March, 1960

H. L. Puxley, President

**The Stevenson Scholarships**

Founded by the Rev. J. Stevenson, M.A., (sometime Professor of Mathematics), of the value of \$120.00 a year, tenable for two years, and open to matriculated students in the second year.

One scholarship will be awarded each year.

This Scholarship will be awarded to the student in the Second Year, registered at King's College, who makes the highest aggregate in the Christmas examinations, provided the student will have credit for at least nine subjects at the end of the session and is carrying not more than two subjects that may normally be taken in the First Year. This last requirement may be waived, on application of a student, if it conflicts with an approved course.

The Scholarship will not be awarded if the average mark is less than 65%.

The Scholarship will be credited in half-yearly instalments provided always that the scholastic standard is maintained.

**Walter Lawson Muir Bursary**

To be awarded annually at the discretion of the Scholarship Committee either to a student entering college for the first time or to a student returning to college who won high scholastic standing in the previous year.

**THE HALIFAX RIFLES CENTENARY SCHOLARSHIP  
VALUED AT \$150.00 MINIMUM PER YEAR.**

Apply to: Registrar of Kings College  
for particulars.

**King's College Naval Bursary**

In order to commemorate the unique and valuable relationship between the University of King's College and the Royal Canadian Navy during the Second World War, ships and establishments of the Atlantic Command have set up a Bursary to enable a student to attend King's.

**Amount of Bursary**—It is intended that the Bursary be sufficient to cover all College fees and the cost of books, that is approximately \$500.00 annually.

**Qualifications for Applicants**—Applicants who will be considered for this Bursary **must** meet these requirements. To qualify they must be:

- (a) Children of either officers and men serving in the Royal Canadian Navy or retired from the R.C.N. on pension.
- (b) Acceptable to, or registered in King's College. Transfer or failure will entail the withdrawal of the Bursary. Academic achievement and promise will be the first consideration in selecting a candidate. Purpose, industry and character are to be carefully weighed together with the likelihood that the candidate will make good use of higher education to benefit not only himself but also his country.

**Conditions of Award**—The Bursary is awarded annually but it is intended it should be tenable by the same student to completion of his degree at King's College provided that he makes acceptable progress. The Bursary will be withdrawn in the event of academic failure or withdrawal from King's College for any reason.

Enquiries or applications should be sent to:—

**King's College Naval Bursary,  
University of King's College,  
Halifax, Nova Scotia.**

**The Almon-Welsford Testimonial—\$30**

The Honourable William J. Almon, Esq., M.D. (1816-1901), and his family endowed a prize to commemorate the gallant and loyal deeds of Major Augustus Frederick Welsford who died in the Crimean War (1855) and to encourage the study of Latin. The prize is awarded annually to the student in his first year of enrolment at King's who makes the highest mark in either Latin 1 or Latin 2, provided the mark is not less than 65%.

**Bishop Binney Prize—\$20**

This prize which was founded by Mrs. Binney in memory of her husband, the late Bishop Binney, is given to the undergraduate who passes the best examination at the end of the second year, i.e., at least nine subjects towards the degree.

**The Harry Crawford Memorial Prize—\$25**

Offered annually by a friend in memory of Harry Crawford, son of Thomas H. and Elizabeth A. Crawford, Gagetown, N. B., and a student of this College, who died true to his King and his Country, April 14, 1915, while serving in the Canada Motor Cycle Corps.

The prize is awarded by the Faculty to the student completing the third year Arts course, of good character and academic standing, who, in the opinion of the Faculty deserves it most.

**Khaki Bursary—\$50**

Awarded each year by vote of the Faculty, preference being given to the sons and daughters of the soldiers of the Great Wars. Written application must be made, showing claim for consideration.

**The Binney Bursary—\$50**

Founded in the year 1858, by Miss Binney, sister of the late Bishop Binney and daughter of the late Rev. Hibbert Binney, in memory of her father.

The design of this Scholarship is to assist students who may require assistance, and who shall have commended themselves by their exemplary conduct, although their abilities and acquirements may not qualify them to be successful competitors for an open Scholarship.

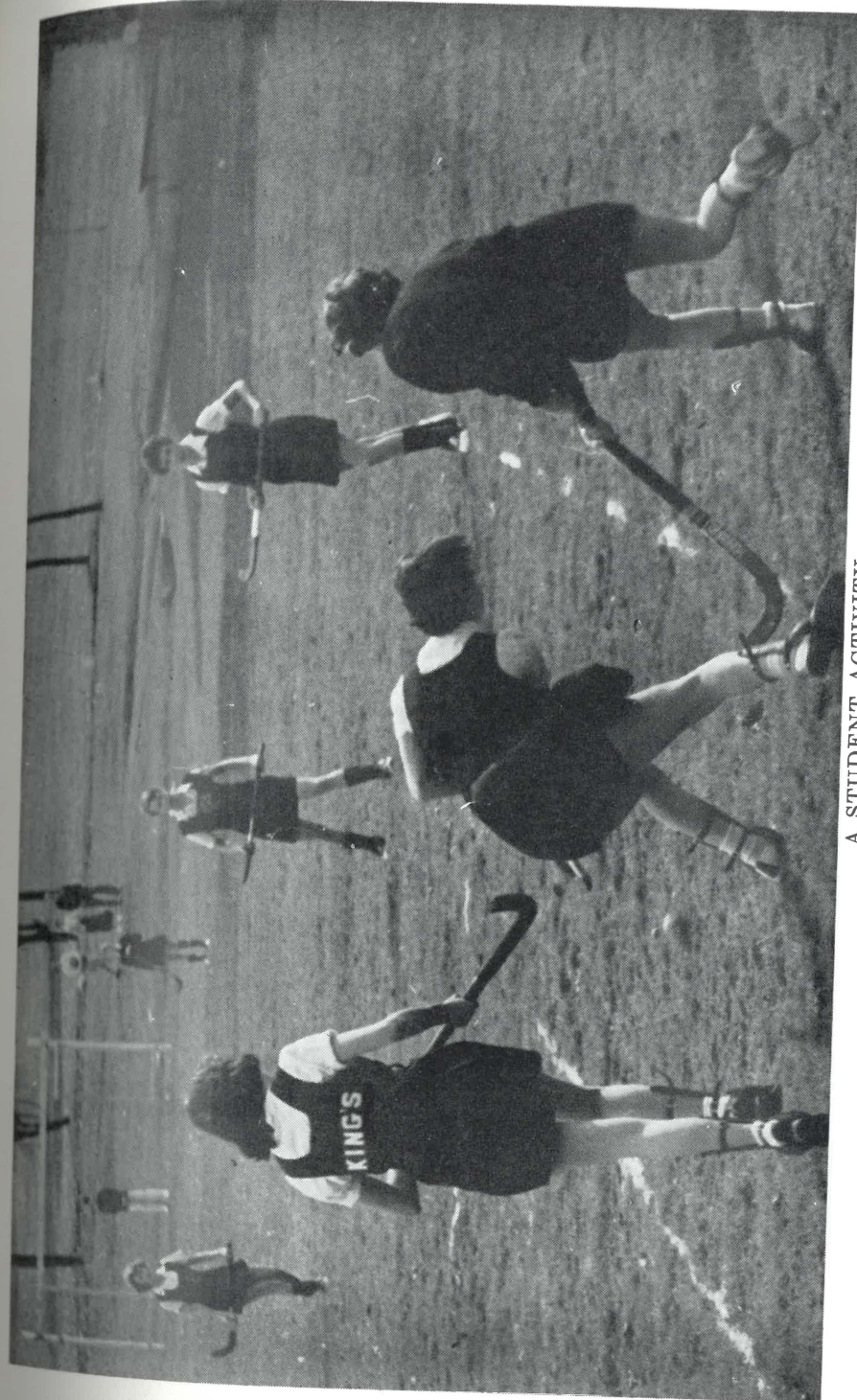
**The Jackson Bursary—\$25**

Founded by the Rev. G. O. Cheese, M.A. (Oxon.), in memory of his former tutor, the late T. W. Jackson, M.A., of Worcester College, Oxford. Awarded each year by vote of the Faculty.

**The McCawley Classical Scholarship—\$35**

Established as a testimonial to the Rev. G. McCawley, D.D., on his retirement from the office of President.

Open to matriculated undergraduates who have completed their first year. (From Grade XI or Grade XII).



A STUDENT ACTIVITY

**The Henry D. deBlois English Prize—\$15**

The late Rev. Henry D. deBlois, D.C.L., a graduate of King's College, left the sum of \$200 to the Governors of the College to establish a prize in English. Awarded to the student of the 3rd or 4th year in Arts or Science who submits the best essay on some subject relating to English Literature. For conditions, apply to the Registrar. All essays must be in the hands of the Registrar of King's by February 15th.

**Dr. M. A. B. Smith Prize—\$25**

Established by a bequest of \$500 from the late Dr. M. A. B. Smith. Awarded to the student with the highest marks at the end of his second year with at least nine classes. In case of a tie preference will be given to a Divinity student.

**The Lawson Prize—\$100**

Established by Hon. Ray Lawson former Chancellor of the University, for the student who shows the greatest progress between the first and second year.

**The Zaidee Horsfall Prize in Mathematics—\$10**

Established as a memorial to the late Zaidee Horsfall M.A., D.Cn.L. Awarded to the student who makes the highest mark in first year Mathematics.

**Charles Cogswell Bursary—\$20**

Charles Cogswell, Esq., M.D., made a donation of \$400 to the Governors of King's College,—the object of the donation being "to promote the health of the students and encourage them in the prosecution of their studies."

**Alexandra Society Scholarship—\$200**

An annual award offered by the Alexandra Society of King's College to a woman student having taken at least five subjects in her third year and who has obtained the highest average (minimum 65%) with not less than 50 in any one subject; provided that she spend her fourth year in residence in Alexandra Hall and also provided that if the student obtaining the highest average is otherwise ineligible, the award shall be left to the discretion of the Scholarship Committee of the College.

**The Governor General's Medal**

Awarded to the candidate who obtains the highest standing in the examination for B.A., or B.Sc., Degree. Preference given to an Honours Student.

**The Akins Historical Prize—\$75**

Founded by T. B. Atkins, Esq., D.C.L., Barrister-at-Law and Commissioner of Public Records.

The award is made for the best original study in Canadian History submitted in competition.

Essays must be handed in, under a **nom de plume** with writer's name in an attached envelope, on or before the 1st day of April of the year in question. Essays become the property of King's College.

For particulars, apply to the Registrar.

#### **Redpath Sugar Scholarship**

Establishment of a Redpath Sugar Scholarship for a son or daughter of a Maritime miner to study at a Maritime university was announced January 28th, 1959 from Montreal by W. J. McGregor, President of the Redpath Sugar Refinery. Selection will be based on need for assistance and on scholastic qualifications, Mr. McGregor said, and is in memory of men lost at Springhill.

Value of the scholarship is \$1,000.00 for two years study towards a degree or diploma at a recognized university in the Maritimes. At the end of two years, additional assistance may be granted at the rate of \$500.00 annually if academic record warrants.

Selections will be made by a committee of three, none of whom are employed by the Redpath Sugar Refinery. The committee will be named shortly, but applications for the scholarship can be addressed in the meanwhile to, Bayard Goodday, P. O. Box 309, Halifax, N. S., or E. L. Spencer, P. O. Box 523, Saint John, N. B.

#### **The Rhodes Scholarship**

This scholarship is of the annual value of £400 (pounds sterling). Before applying to the Secretary of the Committee of Selection for the Province, (which application must be made by November 10th), consult the Registrar, King's College.

#### **The Imperial Order Daughters of the Empire Post-Graduate Overseas Scholarship**

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 \$2,000, are tenable for one year 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. For further information apply to the Head Office of the Order.

#### **The Imperial Order Daughters of the Empire Bursary**

As part of a War Memorial the I.O.D.E. offers annually, one in each province of Canada, a bursary for four years study in Canadian Universities.

For these bursaries, only the sons and daughters of deceased or permanently disabled men and women of the services (Army, Navy, Air Force) are eligible.

The bursary shall be awarded to a candidate who meets the entrance requirements of the University of his or her choice.

The bursary is of value of \$2,000, i.e. of \$500 a year for four years, provided that the holder passes the examinations of each year in the spring or at latest, in the autumn of the same year.

For further particulars communicate with the I.O.D.E. Provincial Education Secretary, Mrs. Ervin S. Murray, 59 Beaufort Avenue, Halifax, Nova Scotia.

#### **Imperial Oil Graduate Research Fellowships**

Imperial Oil Co. Ltd., in 1946, established for annual competition four graduate research fellowships of the value of \$3,750.00 each, (\$1,250 per year payable in Canadian funds for a maximum of three years, supplemented by an additional amount of \$750.00 if the fellow continues his thesis work during the summer months); open to graduates of any approved university in Canada. These fellowships are offered for graduate work leading to a Doctor's degree in the fields of Chemistry and/or Engineering (2 fellowships), Geology (1 fellowship), Economics or Industrial Relations or Business Administration (1 fellowship) and the Humanities (1 fellowship). Nomination of students for these Fellowships is made by the University—such nominations being submitted to the Imperial Oil Scholarship Committee, Imperial Oil Limited, 56 Church Street, Toronto, not later than March 1st, each year. Nomination form and information as to the terms of fellowships are available at the Registrar's office.

#### **Commonwealth Scholarships**

Under a Plan drawn up at a conference held in Oxford in 1959, each participating country of the Commonwealth offers a number of scholarships to students of other Commonwealth countries. These scholarships are mainly for graduate study and are tenable in the country making the offer. Awards are normally for two years and cover travelling, tuition fees, other university fees, and a living allowance. For details of the awards offered by the various countries consult the Registrar's office or write to The Canadian Universities Foundation, 77 Metcalfe Street, Ottawa.

#### **Rotary Foundation Fellowship**

Open to graduate students for advanced study abroad. Available every second academic year, 1961, 1963 etc. Applications must be considered before August 1st of previous year. Information may be obtained from Rotary Clubs.

#### **Saint John University Women's Club Scholarship (Undergraduate)**

The Saint John University Women's Club awards a scholarship of \$100.00 each year to a woman student entering her senior year in a Maritime University. The award is to be made to a student from the City or County of Saint John, with consideration being given to both academic attainment and financial need. Applications are to be forwarded not later than April 1st to:

The Secretary,  
Saint John University Women's Club,  
Saint John High School,  
Saint John, N.B.

The application must be accompanied by a letter from the Registrar attesting the scholarship standing of the candidate.

## DIVINITY

### Owen Family Memorial Scholarships—Two of \$250

Established by Mr. and Mrs. D. M. Owen, in memory of the Owen Family—tenable for one year, but renewable, open to applicants who are Nova Scotia born, and resident therein, and are or are about to become theological students at King's College, preference being given (1) to native residents of the Town of Lunenburg, and (2) to native residents of the County of Lunenburg.

### Canon W. S. H. Morris Scholarship—\$1,500.00

This Scholarship has been founded by Robert H. Morris, M.D., of Boston in memory of his father, Reverend Canon W. S. H. Morris, M.A., D.D., Kingsman, Scholar and Parish Priest in the Diocese of Nova Scotia for forty years.

The Scholarship may be awarded annually by the President and Divinity Faculty to the most deserving member of the graduating class of the Divinity School, who has been at King's at least two years, and who in the opinion of the Faculty, would benefit from travel and/or study in Britain, the U. S. A. or some other area outside the Atlantic Provinces of Canada.

### William Cogswell Scholarships

Open to students intending to work in the Diocese of Nova Scotia.

Scholarship (A): Under the direction of the Trustees of the William Cogswell Scholarship to be awarded to the student who passes a satisfactory examination and who takes his Divinity course at any recognized Divinity College of the Church of England in Canada best fitted, in the opinion of the Trustees, to serve the terms of the Trust, giving when possible preference to King's College.

Scholarship (B): Under the direction of the Faculty of Divinity of the University of King's College, Halifax, Nova Scotia, an entrance scholarship of \$200 or \$300.00 depending on quality of work submitted, will be awarded to the properly accredited student entering the Divinity School for the first time in September 1960, who stands highest in a special examination to be held on October 3rd, 1960, provided he reaches a satisfactory standard. The winner will be required to sign a statement promising to serve in the Diocese of Nova Scotia for a period at least as long as the period during which he holds the scholarship.

This examination will consist of two papers:

- (a) A paper on the content of the Old and New Testaments, and
- (b) A paper on A. H. McNeile's "Introduction to the New Testament" (revised edition by T. S. C. Williams) Oxford, 1953.

### The Daniel Hodgson Scholarship—\$240

This Scholarship of an annual value of \$60, tenable for four years, is for the purpose of encouraging students to take an Arts degree before entering upon the study prescribed for Holy Orders. Candidates who must be residents of Prince Edward Island shall file their applications and certificates of having passed the full Arts matriculation requirements before August 15th, and must not be over 24 years of age at that time. They must also satisfy the Diocesan Committee for Holy Orders as to their aptitude for the Ministry of the Church. At the end of each academic year the Scholar shall file with the Trustees a certificate from the President or Secretary of the University "that during the past year he has resided in College (or has been excused from such residence) and has attended the full Arts course in the College, together with a certificate that his moral conduct, his attention to his studies and his general conduct have been satisfactory to the Board of Governors."

Scholars who fail to comply with the foregoing conditions automatically forfeit the Scholarship. But in special cases the Bishop, on the representations of the Trustees, may restore a terminated Scholarship in whole or in part.

### Order of the Eastern Star Scholarship—\$150

Three scholarships are to be awarded to first or second year students in Arts who are preparing for the Christian ministry, primarily on the basis of financial need.

### John Clark Wilson Memorial Bursaries—\$100 each

Established in 1947 by Miss Catherine R. Kaizer, in memory of John Clark Wilson. Two bursaries of \$100.00 each tenable for one year. Awarded to Divinity students deemed worthy and in need of financial help.

### Organ Scholarship—\$200.00

Awarded to a student qualified and willing to play the organ in the College Chapel at services throughout the year. (Casavant—2 manual pipe organ).

### Glebe Scholarship

A scholarship of approximately \$150 is offered annually to students from Prince Edward Island,—preference being given to Divinity students.

Application, accompanied by a certificate of character from the applicant's rector, must be sent to The Eastern Trust Company, Charlottetown, P. E. I., on or before May 31st.

**Moody Exhibition—\$100**

The "Catherine L. Moody" Exhibition of \$50 a year for two years is awarded every two years to the student entering the second year preparing for Holy Orders, whose scholarships and exemplary conduct shall, in the opinion of the Faculty, merit it. (Next award 1961).

**The George Sherman Richards Proficiency Prize****In Memory of the Reverend Robert Norwood, D.D.—\$120**

The income from a fund of \$2,000 to be awarded annually to the Divinity student who gains the highest aggregate of marks at the end of his penultimate year, provided that in that year he takes the regular full course in Theology.

**The Countess de Catanzaro Exhibition—\$100**

The income from a fund of \$2,000 to be awarded by the Faculty to a Divinity student during his second year in college. The award will be made on the basis of character and need.

**The McCawley Hebrew Prize—\$25**

Open to all members of the University who are below the standing of M.A.

This prize is given out of the interest of a Trust Fund, the gift of the Rev. George McCawley, D.D., in the hands of the Society for the Propagation of the Gospel in Foreign Parts.

This prize will be awarded to the student who leads the class in Hebrew 2 and receives a recommendation from the professor of Hebrew.

**Junior McCawley Hebrew Prize—\$25**

With the accumulated unexpended income from the McCawley Hebrew Prize a fund has been set up establishing a second prize, to be awarded to the student standing highest in first year Hebrew.

**Archdeacon Forsyth Prize—\$50**

Ven. Archdeacon D. Forsyth, D.C.L., of Chatham, N.B., who died in 1933, left to King's College \$1000 to provide an annual prize or scholarship, to be awarded to a Divinity student for proficiency in the study and knowledge of the original Greek of Holy Scripture. To be awarded on the combined results of Greek Testament 1 and 2.

**Shatford Pastoral Theology—\$30**

Established by an anonymous donor, in memory of the late Rev. Canon Allan P. Shatford, O.B.E., D.C.L. Awarded for outstanding work in Pastoral Theology, under regulations of the Faculty of Divinity.

**Laurie Memorial Scholarship**

One or more scholarships of about \$200 each, founded in memory of Lieut.-Gen. Laurie, C.B., D.C.L., open to candidates for the Ministry, under the direction of the Trustees. Particulars may be had from the Registrar.

**The Wiswell Trust Divinity Studentship—\$120**

A. B. Wiswell, D.Cn.L., Hon. Fell. (Vind.) of Halifax, N. S., in order to perpetuate the memory of the Wiswell Family, augmented a bequest from members of the family, thus providing a capital sum of \$2,500, the income from which is to assist Divinity students at King's College, who were born in Nova Scotia and who propose entering the ministry of the Anglican Church in Canada.

**Wiswell Missionary Bursary—\$200**

Founded by Dr. A. B. Wiswell, for help to a Divinity student who believes he has a call to the Mission Field either Overseas or in the Canadian West.

Preference will be given to a student who has given promise of the needed qualities and has taken his degree or is within a year of completing his Arts Course. If there is no student meeting the above requirements the award will be left to the discretion of the Divinity Faculty.

**Clara E. Hyson Prize—\$5.00**

Founded by Miss Clara E. Hyson and awarded each year on vote of the Faculty.

**A. Stanley Walker Bursary—\$100**

Awarded by the Alexandra Society of King's College. To be given annually to a Divinity student.

**Johnson Family Memorial Bursary—\$60**

Founded by the Misses Helen and Marguerite Johnson in memory of their parents, this bursary is to be awarded annually at the discretion of the President and Divinity Faculty to the Divinity student considered most worthy on grounds not only of scholarship, but also of financial need and of devotion to his vocation. Preference being given to a student from the parish of St. Mark's, Halifax.

**Divinity Grants**

Grants to aid students in Divinity who require assistance are made by the Bishop of Nova Scotia, and by the Bishop of Fredericton. The holders of these must fulfill such conditions as the Bishops lay down and in every case a personal interview must be had. For further particulars apply to the Registrar.

**W. A. Grant—\$150**

The Women's Auxiliary of the Anglican Church of Canada, in the Diocese of Nova Scotia makes an annual grant of \$150 towards the expenses of Divinity Students who agree to work in the Diocese of Nova Scotia after ordination.

**The Wallace Greek Testament Prize—\$40**

A Book Prize established by the late Canon C. H. Wallace of Bristol, England, in memory of his father, Charles Hill Wallace, barrister, of Lincoln's Inn, who graduated at King's College in 1823, and died in England in 1845. Subject—Hebrews. Application to be made to the Registrar by March 1st.

**Agnes W. Randall Bursary**

Two bursaries of \$8.00 each will be given each year to the students in Theology who show the greatest diligence in their studies. An award will not be made twice to the same student.

**Bennet Cliff Memorial Prize**

A prize of \$10.00 each year. Award to be at the discretion of the President.

**Kenelm Eaton Memorial Scholarship—\$60**

This scholarship is provided by the Synod of Nova Scotia as a memorial to Hon. Captain Kenelm Edwin Eaton, B.Sc., L.Th., who made the supreme sacrifice while serving as a Chaplain in Italy, Aug. 31, 1944. For particulars apply to Registrar.

**Dr. C. Pennyman Worsley Prize—\$40**

A memorial to the late Dr. Worsley. To be used annually for a prize in Church History.

**Fenwick Vroom Exhibition—\$40**

To be awarded to a Divinity Student at the discretion of the Faculty.

**The Church Boys' League Bursary Fund**

Students eligible for assistance from this Fund are those who have, at one time, been full-pledged members of any Parochial C.B.L. branch in Canada. For particulars see the Registrar.

**The Reverend Canon R. A. Hiltz Memorial Bursaries**

To be awarded to present or former members of the A.Y.P.A. who are in a full course of theology and in need of financial assistance. Bursaries up to a total of \$300.00 each year.

**Archbishop Owen Memorial Scholarships**

A number of scholarships of \$300.00 each are awarded each year by the General Synod Committee concerned to students in their final year in Theology, who are ready to take up missionary work, either in Canada or overseas. Academic standing and financial need are taken into account in making the award.

Application should be made to the Dean of Divinity by November 1st each year.

**The Florence Hickson Forrester Memorial Prize—\$100.00**

This prize, presented in memory of the late Mrs. Forrester, is to be awarded on Encaenia Day to the Divinity Student in his penultimate or final year who passes the best examination on the exegesis of the Greek text of **The First Epistle of St. John**, provided always that the standard be sufficiently high.

**The Bullock Bursary—\$225**

Established by C. A. B. Bullock, of Halifax, for the purpose of defraying the cost of maintenance and education of divinity students enrolled at King's College who were, before being so enrolled residents of Halifax, and members of a Parish Church there, and who are unable to pay the cost of such maintenance and education.

**The Harris Brothers Memorial—\$100.00**

To be awarded at the beginning of each college year as a bursary to a student of Divinity at the University of King's College. The student shall be selected annually by the Divinity Faculty, preference being given to a needy student from Prince Edward Island, failing that a needy student from the Parish of Parrsboro and failing that to any deserving student of Divinity at the said University.

**Royal Canadian Air Force Protestant Chapel Bursary—\$120.00**

This Bursary, established in 1959 by endowment from collections taken in R. C. A. F. chapels, is awarded annually at the discretion of the Divinity Faculty to a bona fide ordinand, preference where possible being given to (a) ex-R. C. A. F. personnel, (b) children of R. C. A. F. or ex-R. C. A. F. personnel.

**All Scholarships and Prizes (except those awarded to Graduating Students and Prizes to Day Students) will be credited to student's accounts and not paid in cash.**

**St. Paul's Garrison Chapel Memorial Prize—\$13**

To be awarded to the Divinity student chosen by the Faculty to attend a Christmas Conference.



**GENERAL****Arthur L. Chase Memorial Students Loan Fund**

Established by Mr. and Mrs. H. M. Chase as a memorial to their only child, who died while an undergraduate at King's College. Available to male students entering upon their third or fourth year. Application to be made in writing to the Registrar.

**Edith Mabel Mason Memorial Students Loan Fund**

Established by Alumni and friends as a memorial to the late Miss Edith Mabel Mason, M.A., a former Dean of Women and Professor of Modern Languages. Available to women students entering upon their third or fourth year. Application to be made in writing to the Registrar.

**The Bob Walter Award**

The highest award that can be given a Kingsman by his fellows, and emblematic of recognition of the winner as the best all-round student of the year. This award is given annually.

**The Nixon Trophy**

This award is given annually to the resident student who, in the opinion of his fellows, contributes most to residence life in King's.

**The Prince Prize**

Designed for the encouragement of effective public speaking. Recipient chosen by adjudicators in an annual competition.

**The Bissett Award**

Awarded annually to the College's best all-round athlete.

**The Arthur L. Chase Memorial Trophy**

Presented annually to the student who has contributed most to debating.

**STUDENT ORGANIZATIONS****The Student Body**

The chief business of the Student Body is transacted by the Council composed of the Senior, the Treasurer, and the Secretary and a representative from each of the four classes. This Council meets weekly and has general supervision over the funds of the students' societies.

**The "King's College Record"**

The **Record** (founded 1878) is published by the undergraduates of the College, during the Academic year.

The associate editors and the business manager of the **Record** are elected at the first meeting of Michaelmas Term.

**The Quinctilian Society**

This is the College Debating Society and was founded in 1845. All students are expected to join this society. It was owing to the initiative of this society that the Maritime Intercollegiate Debating League was established.

**The Haliburton**

This Society was founded and incorporated by Act of Legislature 1884. Its object is the cultivation of a Canadian Literature and the collecting of Canadian books, manuscripts and of books bearing upon Canadian History and literature. Membership is open to all members of the College and residents of the city of Halifax. Any literary man may be elected an honorary member.

**The Students' Missionary Society**

This Society was founded in 1890. Its object is to promote interest in missionary work, and to further the missionary work of the Church, especially in the Maritime Provinces. Membership is open to all members of the College. The annual meeting is held on St. Andrew's Day, or as near to it as possible.

**The Archbishop Geoffrey Fisher Theological Society of the University of King's College**

In 1957 this organization the 'Archbishop Geoffrey Fisher Theological Society of the University of King's College' came into existence as a result of a meeting of all Divinity Students at the University. The Divinity Students felt the need of an official organization which would represent the Divinity School, with powers to legislate on matters pertaining to the common life of the school.

Its aim is to promote fellowship among the members of the Divinity School and to stimulate discussion and participation in matters pertaining to the Divinity School of King's College. Membership is open to all students looking forward to Holy Orders.

The President is the Senior Divinity Student, while the Secretary-Treasurer is elected from those members of the society who are working towards the Bachelor of Arts degree.

One of the endeavours of the society is to encourage representation by the College at theological student conferences held during the Christmas vacation each year.

#### King's College Glee and Dramatic Society

This Society was founded in 1931 to further interest in dramatics and choral work. It usually produces one three act play and a major choral production each year. Membership is open to all members of the College.

#### King's College Amateur Athletic Association

The object of this association is the promotion of amateur sports of all kinds. The K.C.A.A.A. is affiliated with the Maritime Provinces Amateur Athletic Association, and is governed according to the rules of that association. Membership is open to all members of the College.

#### King's College Co-ed's Association

This club was organized in October, 1913. It is open to all women graduates and undergraduates of King's College. The primary object is to extend the interests of King's College among women.

#### King's College Co-ed's Amateur Athletic Association

The object of this association is the promotion of amateur sports of all kinds. The K.C. Co-ed A.A.A. is affiliated with the Maritime Provinces Women's Amateur Athletic Association and is governed according to the rules of that association. Membership is open to all women students.



## SOCIETIES CONNECTED WITH THE COLLEGE

### Alumni Association of King's College

This Association, incorporated in 1847 by Act of the Legislature, consists of graduates and others whose object is the furtherance of the welfare of the University. The annual fee for membership is \$2.00.

The Association maintains an annual scholarship. (See page 63 et seq.).

The annual meeting of the Association is held the day before Encaenia.

The present officers of the Association are:

**The Very Rev. E. B. N. Cochran, B.A., L.Th.**, Immediate Past President.

**Rev. H. Rhodes Cooper, B.A., B.S. Litt.**, President, 87 George Dauphinee Ave., Halifax.

**F. S. Taylor, B.A., LL.B.**, Vice-President, Rothesay, N. B.

**Mrs. D. C. Finck, B.A.**, Secretary, 205 Atlantic Street, Halifax, N.S.

**G. H. Morrison**, 94 Oxford St., Halifax, N. S.

### The Alexandra Society of King's College

This Society, which has branches all over the Maritime Provinces, was formed in Halifax in 1902 as the Women's Auxiliary to the Alumni, its objects to aid the Alumni in raising funds for the College. It maintains an annual scholarship (see page 63), and has instituted a fund to endow the Alexandra Chair of Divinity.

The present officers are:

**President**—Mrs. V. E. McSweeney, 7 Bligh St., Dartmouth, Nova Scotia.

**1st Vice-President**—Mrs. J. F. Willis, 8 Tupper Grove, Halifax, N. S.

**2nd Vice-President**—Mrs. J. E. Lane, 40 Park Ave., East Saint John.

**3rd Vice-President**—Mrs. Jas. Harris, 39 Villa Ave., Charlottetown, P. E. I.

**4th Vice-President**—Mrs. Archibald McKeigan, Glace Bay, C.B.

**5th Vice-President**—Mrs. W. E. Jefferson, Granville Ferry, N. S.

**Corresponding Secretary**—Mrs. B. C. Silver, Bedford, N. S.

**Recording Secretary**—Mrs. R. A. Pauley, 476 Robie St., Halifax.

**Treasurer**—Mrs. Gordon Brown, 205 Atlantic St., Halifax.

**Calendar Secretary**—Mrs. H. Clements, 2 Vernon St., Halifax.

**FORM OF BEQUEST**

I hereby give, devise and bequeath to the Board of Governors of the University of King's College, Halifax, Nova Scotia, the sum of..... Dollars out of my estate without charge or deduction, and hereby direct my executors to pay the same to the Board of Governors of the University of King's College, and direct that the receipt of the Treasurer of the said University shall constitute and be a sufficient discharge therefor:

Said sum to be expended by said University for

- (1) The payment of any indebtedness upon the buildings of said University or for additions thereto; or
- (2) The providing of furnishings or other equipment for any of the building of said University; or
- (3) The purchase of books for the library of said University; or
- (4) The establishment of Scholarships and Bursaries in said University, at the discretion of the Board of Governors.

**CLASSES OF INSTRUCTION**

Biochemistry: see Chemistry.  
 Biology.  
 Chemistry.  
 Classics (Greek, Latin, Classical Literature, History and Philosophy).  
 Commerce.  
 Dentistry.  
 Divinity (Church History, Philosophy and Psychology of Religion, New Testament Greek, Sociology).  
 Drawing: see Engineering.  
 Economics and Sociology.  
 Education.  
 English Bible: see English.  
 English Language and Literature.  
 Fine Arts.  
 French: see Romance Languages.  
 Geology and Mineralogy.  
 German.  
 Greek: see Classics.  
 Hebrew.  
 History.  
 Latin: see Classics.  
 Law.  
 Mathematics.  
 Music.  
 Oceanography.  
 Pharmacology: see Biology.  
 Philosophy.  
 Physics.  
 Physiology: see Biology.  
 Political Science.  
 Psychology.  
 Religion: see Classics, Philosophy, Sociology.  
 Romance Languages (French, Spanish).  
 Russian.  
 Sociology: see Economics.  
 Spanish: see Romance Languages.  
 Surveying: see Engineering.  
 Zoology: see Biology.

## CLASSES OF INSTRUCTION

Classes marked \* are designed for those taking  
Honours Courses

## BIOLOGY

Professor.....	F. R. Hayes (Head of Dept.)
Associate Professor (Zoology).....	D. Pellet
Associate Professor (Botany).....	K. E. von Maltzahn
Assistant Professor (Zoology).....	A. H. Houston
Assistant Professor (Botany).....	K. N. H. Greenidge
Assistant Professors (Oceanography).....	E. H. Anthony, J. M. Teal
NRC Post Doctoral Fellow.....	P. N. Srivastava
Assistant.....	Glenda F. Conrod
Demonstrators (1959-60).....	Elizabeth Murphy, Carl Perry, Kevin Halcrow, Gail Mattinson, David Coward, Austina Kennedy, Lorraine Laurence, Stephen Jacobson, Ralph Lilly, John Gibson.

The program in Biology is designed to provide the student with a basic training in biological science which may serve as a preparation for graduate and professional work in Botany or Zoology, in Microbiology or Medicine. The training leads to professional opportunities which include teaching of natural sciences in secondary schools and universities, work in industrial and research laboratories, and research posts with Federal and Provincial Departments of Agriculture, Forestry, Fisheries and Wild Life Management. It serves also as preparation for professional courses of Medicine and Dentistry and various technical posts in medical laboratories. A student looking forward to Biology in general or one of its branches as his major field of study is invited to consult the Department early in his course so that a proper plan can be worked out.

The following classes are offered every year: Biology 1, Zoology 2, 4, 9, 10. The following classes are offered in 1960-61 and alternate years: Botany 2, 5, 8, Microbiology 3, Zoology 5, 8, 13.

**1. General Biology.**—Lect.: Tu., Th. and S. at 9 a. m., Lab.: M. or W. or F., 2.30 to 5.30 p. m. D. Pellet, K. E. von Maltzahn and staff.

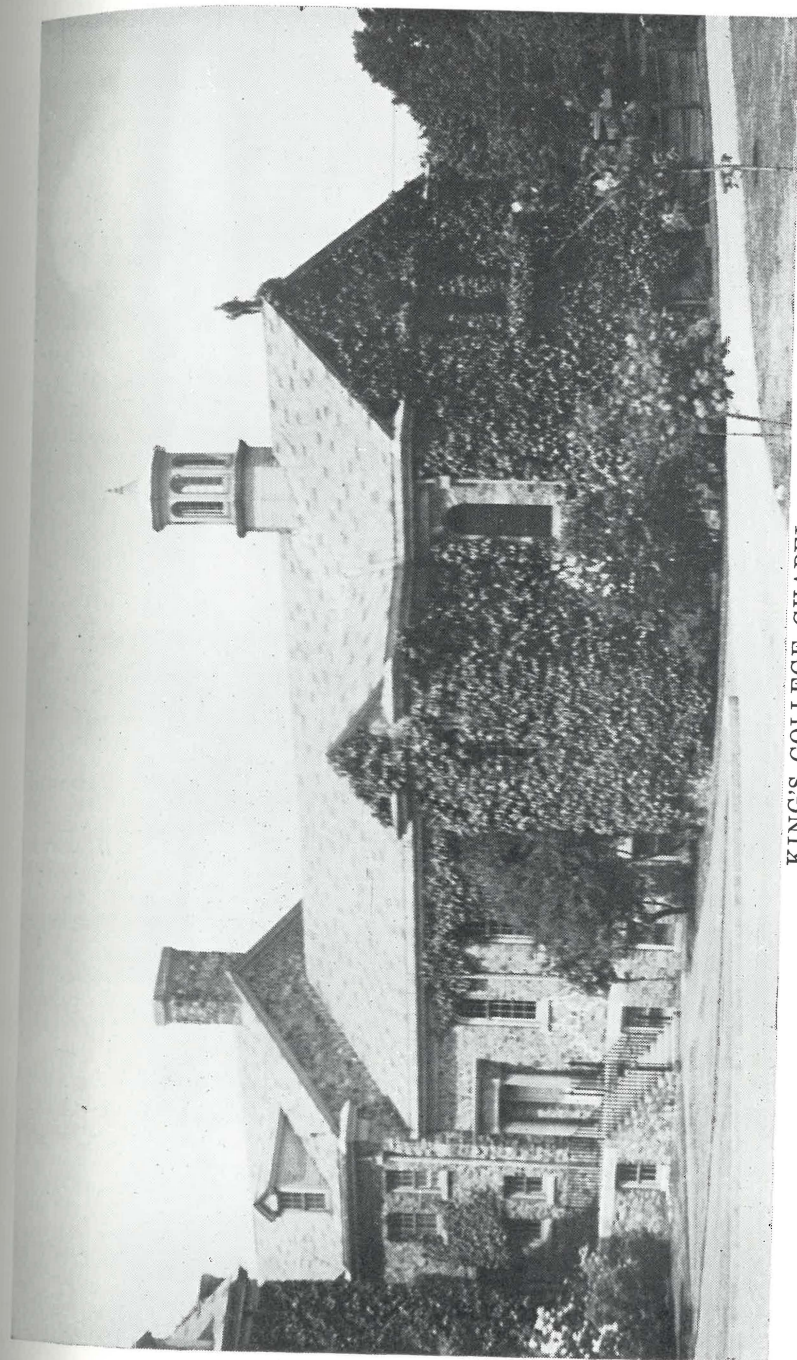
Lectures are given in the Arts Building, laboratory work in the Forrest Building. An introductory class designed to illustrate the fundamental properties of living matter. The laboratory work consists of a study of representative plants and animals. This class is prerequisite to all other classes offered in the Department.

## Botany

**2. Biology of the Lower Plants.**—(1960-61). Lect.: W. and F. at 9 a. m., Lab.: W., 2.30-5.30 p. m. K. E. von Maltzahn

Morphology, cytology, development and distribution of the algae and fungi. Methods of cultivation.

**3. Biology of the Higher Plants.**—(1961-62). Lect.: W. and F. at 9 a. m., Lab.: W., 2.30-5.30 p. m. K. N. H. Greenidge, K. E. von Maltzahn



KING'S COLLEGE CHAPEL

Morphology and histology of the higher plants, including an introduction to microtechnique.

4. **Plant Ecology.**—(1961-62). Lect.: M. and W. at 11 a.m., Lab.: M., 2.30-5.30 p.m. K. N. H. Greenidge

The distribution of plants, particularly the higher plants, and the factors influencing it. The plant communities of Nova Scotia will be studied by means of field trips.

5. **Principles of Plant Classification.**—(1960-61). Lect.: M. and W. at 11 a.m., Lab.: M., 2.30-5.30 p.m. K. N. H. Greenidge

An introduction to the classification, identification and evolution of the higher plants.

Students intending to enrol in this class should consult the instructor and arrange for assistance in summer collecting.

6. **Plant Physiology.**—(1961-62). Lect.: M., 9 a.m., F., 10 a.m., Lab.: Th., 2.30-5.30 p.m. K. E. von Maltzahn, K. N. H. Greenidge

A study of the processes underlying the organization of the plant.

8. **Plant Growth and Development.**—(1960-61). Lect.: M., 9 a.m., F., 10 a.m., Lab.: Th., 2.30-5.30 p.m. K. E. von Maltzahn  
The experimental approach to plant form and development.

### Microbiology

The two courses which follow, taken together, form an introduction to bacteria, yeasts and moulds with particular reference to their function and relation to the environment. Special attention will be given to marine and aquatic habitats. Students beginning in either class will receive preliminary instruction in the techniques necessary to handle microorganisms. Work in Microbiology is given in collaboration with members of the staff of the Atlantic Regional Laboratory (National Research Council) and Technological Station (Fisheries Research Board).

2. **Physiology of Microorganisms.**—(1961-62). Lect.: W. and F. at 2.30 p.m., Lab.: W. and F., 3.30-5.30 p.m. E. H. Anthony

3. **Ecology of Microorganisms.**—(1960-61). Lect.: W. and F. at 2.30 p.m., Lab.: W. and F., 3.30-5.30 p.m. E. H. Anthony

### Zoology

2. **Comparative Vertebrate Anatomy.**—Lect.: Tu. and Th. at 11 a.m., Lab.: Tu., 2.30-5.30 p.m. F. R. Hayes, A. H. Houston

3. **Invertebrate Animals, Their Structure, Life History and Parasitic Relations to Man.**—(1961-62). Lect.: Tu. and Th. at 11 a.m., Lab.: Tu., 2.30-5.30 p.m. D. Pelluet, J. M. Teal

The course includes field and laboratory studies of the seashore fauna and an introduction to marine plankton.

4. **Evolution, Genetics and Experimental Embryology.**—Lect.: M., W. and F. at 12 noon. D. Pelluet

This class consists of lectures on modern biological theories. Oral and written reports will be required of all students. Lectures are given in the Arts Building, Studley.

**5. Experimental Zoology.**—(1960-61). Lect.: M. and W. at 12 noon, Lab.: Th., 2.30-5.30 p.m. A. H. Houston, F. R. Hayes

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

**6. Experimental Zoology.**—(1961-62). Lect.: Tu. and Th. at 9 a.m., Lab.: M., 2.30-5.30 p.m. F. R. Hayes, J. M. Teal, A. H. Houston

A discussion of such topics as respiration, excretion, liberation of energy in cells and application of radioactive tracers to metabolic studies.

**7. Comparative Histology and Embryology.**—(1961-62). Lect.: M. and W. at 12 noon., Lab.: Th., 2.30-5.30 p.m. A. H. Houston, L. T. Threadgold

This course is given jointly by the Departments of Anatomy and Biology. The first half year (Biology Dept.) comprises a survey of tissue structures in various phyla and instruction in microtechnique. The second half (Anatomy Dept.) deals with vertebrate embryology and the application of modern techniques to developmental anatomy.

**8. Cytology.**—(1960-61). Lect.: Tu. and Th. at 11 a.m., Lab.: Tu., 2.30-5.30 p.m. D. Pelluet

Instruction will include histo-chemical methods of investigating the properties of protoplasm, cells and tissues.

**9. Human Physiology.**—Lect. and Lab.: M., 2 to 6 p.m., Lect.: F. at 9 a.m. C. B. Weld

Prerequisite.—Chemistry 1, Physics 1.

This course is limited to 12 students.

**10. Influence of Chemical Agents on Living Organisms.**—Lect.: Two hours to be arranged, Lab.: W., 2.30-5.30 p.m. J. G. Aldous

Prerequisite.—Chemistry 4, Zoology 2, and consent of the instructor.

A study will be made of chemical agents which affect various physiological and biochemical processes both in man and lower animals.

This class is limited to 12 students.

**13. Action of the Environment.**—(1960-61). Lect.: Tu. and Th. at 9 a.m., Lab.: M., 2.30-5.30 p.m. J. M. Teal, F. R. Hayes

Physical and chemical basis for fertility of water and the energy cycle of the sea. Relation between the environment, especially the aquatic environment, and animal activity. Population growth and methods of its assessment.

### 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 in 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.

### CHEMISTRY

Professors..... W. J. Chute (Head of Dept.), W. R. Trost  
Associate Professor..... D. E. Ryan  
Assistant Professors..... K. E. Hayes, R. V. Webber, G. E. Cheney,  
A. A. Mills (Associate, Institute of Oceanography)  
Instructor..... G. A. Dauphinee  
N. R. C. Post-Doctoral Fellow..... G. A. Dean  
Laboratory Assistants (1959-60)..... M. I. Brook, C. A. Brown  
A. A. Chow, W. F. Emery, S. W. Epstein, I. D. Gay, R. A. Haines,  
M. L. Heit, W. A. MacDougall, W. G. MacIntyre, G. W. McQuade,  
N. P. Ralston, A. H. Shlossberg, Mrs. D. Vatcher, D. L. Whalen,  
M. Young.

All students entering the University with the intention of specializing in Chemistry should consult the Head of the Department before registering.

#### 1. General Chemistry.

Prerequisite.—Matriculation Chemistry or Physics or Mathematics.

**1a.** Lect.: M., W. and F. at 9 a.m., Lab.: Tu, or W., or Th., 2.30 to 5.30 p.m. W. R. Trost

This section will include science, pre-dental and pre-medical students.

Text Books—Cragg-Graham: "An Introduction to the Principles of Chemistry".  
Malm and Frantz: "College Chemistry in the Laboratory".

**1b.** Lect.: M., W. and F. at 11 a.m., Lab.: Tu, or W., or Th., 2.30 to 5.30 p.m. R. V. Webber

This section will include arts, commerce, pre-law and engineering students.

Text Books—Sienko and Plane: "Chemistry". Pierce and Smith: "General Chemistry Workbook". Dunbar: "General Chemistry".

**2. Elementary Physical and Analytical Chemistry.**—Lect.: Tu. and Th. at 10 a.m., Lab.: M. or F., 2.30 to 5.30 p.m. D. E. Ryan, K. E. Hayes

Prerequisite.—Chemistry 1.

Text Books—Olson, Orlemann and Koch: "Introductory Quantitative Analysis".  
Laboratory and Problem Sheets. Other Texts to be announced.

The laboratory work of this class consists of exercises in quantitative analysis and physical 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—Noller: "Chemistry of Organic Compounds". Adams and Johnson: "Laboratory Experiments in Organic Chemistry".

The following undergraduate classes are designed primarily for students intending to take Honours in Chemistry. (See page 54) Chemistry 5, 6, and 7 should be taken in the third year and Chemistry 8, 9 and 11 in the fourth year. (Others wishing to take any of these classes must obtain the consent of the instructor).

5. **Physical Chemistry.**—Lect.: M. and W. at 9 a.m., Lab.: W., 2.30 to 5.30 p.m. K. E. Hayes

Prerequisites.—Chemistry 2, Mathematics 2, Physics 3.

Text Books—Glasstone: "Textbook of Physical Chemistry". Daniels, Matthews, Williams: "Experimental Physical Chemistry".

6. **Qualitative Organic Analysis.**—Lect.: Th. and S. at 10 a.m., Lab.: M., 2.30 to 5.30 p.m. W. J. Chute

Prerequisite.—Chemistry 2 and 4

This class is a continuation of Chemistry 4. The laboratory work will consist of the identification of organic compounds.

Text Books—Noller: "Chemistry of Organic Compounds". Shriner and Fuson: "Identification of Organic Compounds".

7. **Semi-micro Qualitative and Quantitative Analysis.**—Lect.: M. and W. at 11 a.m., Lab.: Tu. and Th., 2.30 to 5.30 p.m. D. E. Ryan

Prerequisite.—Chemistry 2.

Text Books—Kolthoff and Sandell: "Textbook of Quantitative Inorganic Analysis". Nordmann: "Qualitative Testing and Inorganic Chemistry".

8. **Inorganic Chemistry and Instrumental Analysis.**—Conferences and Lab.: six hours per week. D. E. Ryan, R. V. Webber

Prerequisite.—Chemistry 7.

Text Books—To be announced.

9. **Quantum Chemistry and Orbital Theory.**—Lect.: Hours to be arranged. W. R. Trost

11. **Undergraduate Research** for Honours Students.

Further classes are available to Honours and Graduate Students, and others who satisfy the instructor that they are qualified.

**Chemistry Seminar.**—Meetings will be held in the spring term at which Honours and Graduate students will present papers on their research projects.

## Biochemistry

The class **Biochemistry 2** (see page 172) may be offered as an undergraduate elective.

Students who intend to specialize in Biochemistry are invited to consult that Department for advice on the preparation of an adequate background for its study.

## CLASSICS

Associate Professor.....J. A. Doull (Acting Head of Dept.)  
Assistant Professor.....M. A. Usmiaai  
Lecturer.....J. P. Atherton

### Greek

#### Elementary Courses

The first three courses are primarily a study of the Greek language through grammar, composition and reading of texts. A student who obtains a first class in Greek A may be permitted to take Greek 2 as his second course.

**Greek A.**—M., Tu., Th. and F. at 2.30 p.m.

J. A. Doull

This course is intended for beginners and those who have less than Matriculation Greek. It may be counted towards a degree if a second class in Greek has been satisfactorily completed.

Hillard and Botting: "Greek Primer" and Nairn and Nairn: "Greek Through Reading" will be used.

1. Tu., Th. and S. at 10 a.m.

M. A. Usmiaai

Prerequisite.—Matriculation Greek or Greek A.

Further reading from Nairn and Nairn: "Greek Through Reading"; Gerner: "Selections from the Attic Orators"; Plato: "Ion". Grammar and composition.

2. M., W. and F. at 12 noon.

J. P. Atherton

Prerequisite.—Greek 1.

Plato: "Apology" and "Crito"; Homer: "Iliad VI". Grammar and composition.

**Intermediate Course**

This is for students who have a sound elementary knowledge of Greek and wish to read further in Greek literature but may not be taking the Honours course in Classics.

3. (1960-61). Hours to be arranged. J. A. Doull

Prerequisite.—Greek 2.

The works studied in this course will vary from year to year, but will be three Greek plays or comparable reading in other poets.

A part of the reading for Greek 4 or 5 may sometimes be given at an intermediate level.

**Advanced Courses**

These are intended chiefly for Honours students.

- \*4. (1961-62). Hours to be arranged. J. P. Atherton

Readings in the Greek historians. Parts of Herodotus and Thucydides will be studied. Students in this course will normally be expected to take History 21 in the same year.

- \*5. (1960-61). Hours to be arranged. J. A. Doull

Readings in the Greek philosophers. Parts of Plato and Aristotle will be studied. Students in this course will normally be expected to take either Philosophy 5 or Philosophy 8 in the same year.

- \*6. (1961-62). Hours to be arranged. J. A. Doull

Greek poetry. Either some poet or some period in the history of Greek poetry will be studied.

- \*20. (1960-61). Hours to be arranged. The Department

Composition. See under Latin 20.

**Latin****Elementary Courses**

The first three courses are primarily a study of the Latin language through grammar, composition and the reading of texts. A student who obtains a first class in Latin A may be permitted to take Latin 2 as his second course.

**Latin A.**—Tu., Th. and S. at 11 a.m. and M. at 2.30 p.m.  
M. A. Usmani

This course is intended for beginners and those who have less than Matriculation Latin. It may be counted towards a degree if a second class in Latin has been satisfactorily completed.

Books used will be Hettich and Maitland: "Latin Fundamentals" and "Vergil" by W. F. Jackson Knight.

1. M., W. and F. at 11 a.m. J. P. Atherton

Prerequisite.—Matriculation Latin or Latin A.

Cicero's "Pro Archia" and selections from Vergil's "Aeneid" will be read. Grammar and composition.

2. M., W. and F. at 11 a.m. M. A. Usmani

Prerequisite.—Senior Matriculation Latin or Latin 1.

Cicero's "De Amicitia", selections from Catullus and from Horace's "Odes" will be read. Grammar and composition.

**Intermediate Courses**

These are for students who have a sound elementary knowledge of Latin and wish to read further in Latin literature, but may not be taking the Honours course in Classics.

3. (1960-61). M. and W. at 12 noon. J. P. Atherton

Prerequisite.—Latin 2.

Readings in the Roman historians. Parts of Cicero, Sallust, Livy and Tacitus will be studied. Honours students in this course will normally be expected to take History 22 in the same year.

4. (1961-62). M. and W. at 12 noon. M. A. Usmani

Prerequisite.—Latin 2.

Readings in the Latin poets. Selections from Lucretius, Propertius, Ovid and others will be read.

**Advanced Courses**

In these courses some author or the history of some literary form will be studied at an advanced level. Under certain conditions students from other departments will be accepted who read the texts in an English version.

5. **The History of Roman Satire.** (1960-61). Hours to be arranged. M. A. Usmani

Prerequisite.—Latin 3 or 4, which may, however, sometimes be taken in the same year.

6. **Roman Comedy.** (1960-61). Hours to be arranged. M. A. Usmani

Prerequisite.—Latin 3 or 4, which may, however, sometimes be taken in the same year.

7. **A Study of Vergil.** (1961-62). Hours to be arranged. M. A. Usmani, J. P. Atherton

Prerequisite.—Latin 3 or 4, which may, however, sometimes be taken in the same year.

8. **The History of Roman Literature.** (1961-62). Hours to be arranged. M. A. Usmani



Prerequisite.—Latin 3 or 4, which may, however, sometimes be taken in the same year.

\*20. (1960-61). Hours to be arranged. The Department

Composition. All candidates for Honours in Classics will be expected to take this course, which is identical with Greek 20. Exercises in Greek and Latin composition will be done and unseen passages from various authors read.

#### Classical Literature, History and Philosophy

1. **Classical Literature in Translation.**—Tu., Th. and S. at 10 a.m.  
J. A. Doull and J. P. Atherton

Lectures on a number of the chief works of Greek and Latin literature.

21. **Greek History.**—(1921-62). Hours to be arranged. J. P. Atherton.

Prerequisite.—History 2 or with the approval of the instructor.

A seminar course in Greek history from 776 B.C. to the end of the Peloponnesian War.

22. **Roman History.**—(1960-61.) Hours to be arranged.  
J. P. Atherton

Prerequisite.—History 2 or with the approval of the instructor.

A seminar course in Roman history from 133 B.C. to the death of Claudius.

5. **Greek Philosophy from Aristotle to Augustine.**

6. **Medieval Philosophy.**

See Philosophy 6.

Candidates for Honours in Classics may also offer a course in modern philosophy approved by the Department.

#### DIVINITY

The classes and examinations of one full year in Divinity at Pine Hill Divinity Hall and the Faculty of Divinity at King's College are recognized as qualifying for a degree when offered by a student taking the affiliated course in Divinity.

### ECONOMICS and SOCIOLOGY

#### Economics

Professor ..... W. R. Maxwell (Head of Dept.)  
Assistant Professor..... J. F. Graham

1. **Principles of Economics.**—Tu., Th. and S. at 11 a. m.  
J. F. Graham

2. **Money, Banking and International Trade.**—(1960-61). M., W. and F. at 9 a. m.  
W. R. Maxwell

Prerequisite.—Economics 1.

3. **Labour Problems.**—M. and W. at 11 a. m.

An introductory survey of the principles and problems of labour economics. The historical background of industrial unrest. Rise of the labour movement. Its economic, political and co-operative fronts. Types of labour organization. Changing policies. The growth of labour law and social security measures. Roads to industrial peace.

Attention will be given to specific labour issues such as unemployment, hours of work, minimum wages, etc.

4. **Economic Theory.**—(1961-62). Tu. and Th. at 11 a. m.  
W. R. Maxwell

Prerequisite.—Economics 1.

5. **Public Finance.**—(1961-62). Tu. and Th. at 2.30 p. m.  
J. F. Graham

Prerequisite.—Economics 1.

6. **Economic Statistics.**—(1961-62 and in alternate years). Lect.: M., W. and F. at 2.30 p. m., Lab.: Th., 3.30 to 5.30 p. m. J. F. Graham

Prerequisite.—Economics 1 and Mathematics 1.

7. **World Trade and Economic Policy.**—(1961-62). Tu. and Th. at 10 a.m.  
A. L. Neal

Prerequisite.—Economics 1.

An examination of the structure of the world trade network; the significance of foreign markets to Canada; a brief treatment of the theory of international trade; the balance of payments; tariff making; non-tariff devices; commercial policy; trade statistics; the payments mechanism.

8. **The National Income and Its Fluctuations.**—(1960-61). M. and W. at 11 a. m.  
J. F. Graham

Prerequisite.—Economics 1 and the consent of the instructor.

9. **Seminar.**—(1960-61). Tu. and Th. at 9 a. m. W. R. Maxwell

Prerequisite.—Economics 1 and the consent of the instructor.

\*Economics 10 and 11.—These are the special classes for Honours students prescribed in the regulations governing Honours Courses.

- 12. Economic Analysis.**—(1960-61). M. and W. at 11 a. m.  
J. F. Graham  
Prerequisite.—Economics 1.
- 14. Comparative Economic Systems.**—(1961-62). Tu. and Th.  
at 9 a. m. W. R. Maxwell  
Prerequisite.—Economics 1 and the consent of the instructor.
- 15. Seminar.**—(1961-62). M. and W. at 9 a. m.  
W. R. Maxwell  
Prerequisite.—Economics 1 and the consent of the instructor.
- 16. Economics of Socialism.**—(1960-61). Tu. and Th. at 11 a. m.  
W. R. Maxwell  
Prerequisite.—Economics 1.

### Sociology and Anthropology

Associate Professor..... F. Uhlir

- 1. Principles of Sociology.**—M. and W. at 2.00 to 3.30 p. m.  
Text Books—Dawson and Gettys: "Introduction to Sociology" (3rd Ed.). Prince: "The Social System". Turney-High: "General Anthropology". Wissler: "Introduction to Social Anthropology".
- 2. The Modern Community.**—(1961-62). Tu. and Th. at 11.00 a.m.  
Prerequisite.—Sociology 1 or Economics 1.  
(i) The Social Population, (ii) Ecological Organization, (iii) Demographic Differences, (iv) Maladjustments and Problems.  
Text Books—M. B. Sussman: "Community Structure and Analysis". Thompson "Population Problems". Elliot and Merrill: "Social Disorganization".  
Reference Books—Wright: "Population". Towne: "Social Problems" (Revised Ed.). Davie: "Problems of City Life". Sorokin and Zimmerman: "Rural-Urban Sociology". Fairchild: "Immigration".  
Also topical bibliography supplied in class.
- 3. Social Institutions.**—(1961-62). M. and W. at 12 noon.  
Prerequisite.—Sociology 1 or Economics 1.  
The history, development, structure and function of the chief institutions of social life: domestic, economic, political, religious, educational and eleemosynary.  
Text Books—Hertzler: "Social Institutions" (2nd Ed.). Snider: "Social Institutions, Origin, Growth and Interaction". Ginsberg, Hobhouse and Wheeler: "Social Institutions of the Simpler Peoples". Ballard: "Social Institutions".
- 4. Christianity and Western Civilization.**—(1960-61). Tu. and Th. at 11 a. m.  
Prerequisite.—Sociology 1 or Economics 1 or History 1.

A study of the roots of Western civilization in the social heritage of the past twenty centuries. Concepts of social man and personality in pre-medieval, medieval and modern times. The Christian basis of modern man and society.

Text Books—Crane Brinton: "Ideas and Men". K. Mannheim: "Diagnosis of Our Time". P. Sorokin: "The Crisis of Our Age". H. Butterfield: "Christianity and History".

- 5. Sociological Theory.**—(1961-62). Hours to be arranged.

Prerequisite.—Sociology 1.

Text Books—Lichtenberger: "Development of Social Theory". Sorokin: "Contemporary Social Theories".

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

- 6. Programmes of Social Reconstruction in Our Age.**—(1960-61). Tu. and Th. at 2.30 p.m.

Prerequisite.—Sociology 1 or Economics 1.

Contemporary social and economic ideologies. Democratic and totalitarian attempts to solve social problems. Conflicts between tradition and progress, and disturbances in the sphere of social values. Toward a new social philosophy.

Text Books—K. Mannheim: "Man and Society in an Age of Reconstruction". H. E. Barnes: "Society in Transition". J. J. Maritain: "Christianity and Democracy". L. Mumford: "Faith for Living".

- 7. Comparative Study of Religion.**—(1961-62). Tu. and Th. at 2.30 p.m.

Prerequisite.—Sociology 1 or History 1.

Primitive man and religion. Religious foundations of great civilizations of the past. Judaism, Mohammedanism, Christianity. Theories of religion. Christianity in a changing world.

Text Books—Noss: "Man's Religions". Cave Sydney: "Christianity and Some Living Religions of the East". Sorokin-Zimmerman-Galpin: "A Systematic Source Book in Rural Sociology", Volume I. Loughmead Casserley: "The Retreat from Christianity". George Galloway: "The Philosophy of Religion".

- 8. Seminar in Sociological Methodology and Research.**—(1961-62). M. at 7 p.m. Students who take this class will be required to register for Sociology 9 the following year. Students will be admitted to this course only on the permission of the instructor.

Prerequisite.—Sociology 1 or Economics 1.

Methods of Sociological research. The survey and its techniques. Construction of tables and statistical methods. Practical training.

- 9. Advanced Seminar in Sociological Research.**—(1960-61) M. at 7 p.m.

Prerequisite.—Sociology 8.

**Field-work: Analysis of data. Research Report.**

Text Books—(For both Seminars) Young: "Scientific Social Surveys and Research". H. W. Odum and K. Jocher: "An Introduction to Social Research". F. E. Croxton and D. J. Cowden: "Applied General Statistics".

### Social Work

Students looking forward to professional training in the Maritime School of 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.

### EDUCATION

Professor..... A. S. Mowat  
Assistant Professor..... C. F. Moir  
Special Lecturers..... Florence I. Wall, DeWitt Dargie,  
Ellen C. Lindsay, Estelle Anderson, Eileen Hallisey, Joanne Fryers.

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

This is an introductory course in Education and deals with modern developments in educational psychology and methods as well as educational and psychological research.

This course may count towards the degree of B.A. or B.Sc. but may be taken only by students in their third or fourth year. It is also a required course for candidates for the Junior or Senior Diplomas in Education, and for the degree of B.Ed. (if not already taken).

Text Book—A. G. and G. H. Hughes: "Learning and Teaching".

#### 1 a. General Principles of Education.—(1961-62).

For content and text books see 1 above. This class will meet in the evenings at times to be arranged, and is designed for teachers in service, especially for those who require the course in order to improve their license standing. Prospective students should consult the Professor of Education. Regular students will not be admitted to this class. The class will only be given if a sufficient number of students enrol.

### ENGLISH LANGUAGE AND LITERATURE †

Professor..... C. L. Bennet  
Associate Professors..... A. R. Bevan (Head of Dept.),  
C. L. Lambertson, S. E. Sprott  
Assistant Professors..... A. M. Kinghorn, M. G. Parks  
Special Lecturer..... J. B. Corston

†Changes or additions may be announced before the beginning of the term.

#### English 1.—M., W. and F. at 12 noon

For students taking a first-year class in English for a degree in Arts, Science or Commerce. English 1 in several sections, in one of which particular attention is paid to students whose native language is not English.

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 Books—"College Survey of English Literature". Other texts to be announced.\*\*

#### English 1A.—M., W. and F. at 12 noon.

A pre-professional class with emphasis on composition and general reading; one of the two classes of first-year standing required for the Diploma in Engineering. For special reasons the Department may permit or require other students to take English 1A in place of English 1, or vice versa.

Text Books—Shakespeare: "Antony and Cleopatra". Shaw: "Caesar and Cleopatra". A. F. Scott: "Topics and Opinions". Bowden: "An Introduction to Prose Style". Livingstone: "The Rainbow Bridge and other Essays on Education". C. P. Snow: "The Two Cultures and the Scientific Revolution".\*\*

Either English 1 or English 1A may be taken for credit as an elective class by students who have credit for a compulsory first-year class in English and who wish to receive additional instruction before taking English 2.

**English 2.—M., W. and F. at 12 noon, and at another time to be arranged.**

Prerequisite.—English 1 or an equivalent class.

A detailed study of a selection of the major works of Shakespeare, ("Richard II", "The Merchant of Venice", "Hamlet"), Milton, Browning and T. S. Eliot. Prose works: Swift: "Gulliver's Travels". Dickens: "Great Expectations". Austen: "Pride and Prejudice". Conrad: "Lord Jim". Cary: "The Horse's Mouth".

Text Books—To be announced.

Exercises in expository writing will be based on the reading of the class.\*\*

#### \*2. Middle English.—(1960-61). Tu., Th., and S. at 11 a.m.

C. L. Lambertson

Prerequisite.—English 2. Primarily for Honours and Graduate Students.

English Language and literature from 1100 to 1500, with emphasis on the poetry of Chaucer.

Texts—"Chaucer" (ed. Robinson). Other texts to be announced.

#### 4. Early Nineteenth Century Literature.—(1960-61). Tu. and Th. at 4.30 p.m.

A. M. Kinghorn

Prerequisite.—English 2.

\*\*Each student in 1, 1A, and 2, must have a prescribed Handbook for reference and for correction of Essays.

English literature of the Romantic period.

The Pre-Romantic Poets; Blake; Wordsworth; Coleridge; Shelley; Keats; Byron; Hazlitt; Lamb; de Quincey.

Text—"English Romantic Poetry and Prose" (Noyes).

**5. Nineteenth Century Literature.**—(1961-62). M. and W. at 12 noon. C. L. Bennet

Prerequisite.—English 2.

Carlyle; Tennyson; Browning; Arnold; Dickens; Thackeray; Ruskin; Newman.

Text Books—Carlyle: "Sartor Resartus" (ed. MacMechan); "Prose of the Victorian Period" (ed. Buckler and Templeman); verse anthology to be announced.

**\*6. Old English.**—(1961-62). Tu., Th. and S. at 10 a.m. C. L. Lambertson

For Honours and Graduate students, and others by special permission.

Students intending to take this class should arrange for preparatory reading during the summer.

Texts—Anderson and Williams: "Old English Handbook". Sight translation from easy texts

**\*7. Shakespeare and Elizabethan Drama.**—(1960-61). M. and W. at 9 a.m. S. E. Sprott

Prerequisite.—English 2.

Summer reading is desired, for which direction should be obtained from the instructor.

**8. American Literature.**—(1961-62). M., W. and F. at 4.30 p.m. M. G. Parks

Prerequisite.—English 2.

This is a survey course in American literature.

Summer reading is strongly urged. Students should obtain lists from the instructor, in the spring.

Texts—Ellis, Pound and Spohn: "A College Book of American Literature, Briefer Course". (In Canada, W. J. Gage & Co., Toronto).

**9. Drama.**—(1960-61). M. and W. at 12 noon. C. L. Bennet

Prerequisite.—English 2.

An historical survey of the development of drama, with emphasis on modern drama.

Text Book—Clark: "Chief Patterns of World Drama".

**10. Canadian Literature.**—(1960-61). Tu. and Th. at 3.30 p.m. M. G. Parks

Prerequisite.—English 2.

A survey course of English-Canadian literature with a few French-Canadian novels in translation. Some of the poets to be studied are Crawford, Roberts, Carman, Lampman, D.C. Scott, Pratt, F. R. Scott, A. J. M. Smith, Earle Birney, Klein, Page, and Layton; main prose writers and novelists are T. C. Haliburton, Richardson, Kirby, Leacock, Grove, Ringuet, Day, Callaghan, Gabrielle Roy, MacLennan, Sinclair Ross, and Robertson Davies.

Summer reading of the required novels is recommended. The instructor will supply a list.

Texts—A. J. M. Smith: "The Book of Canadian Poetry". Others to be announced.

**11. Modern Poetry.**—(1960-61). M. and W. at 11 a.m. C. L. Lambertson

Prerequisite.—English 2.

English and American poetry from 1910 to the present day.

Texts—To be selected.

**\*12. The History, Theory and Practice of Literary Criticism.**—(1960-61). Hours to be arranged A. M. Kinghorn

For Honours and M. A. students: others by special permission only.

Texts—Bate: "Criticism: the Major Texts".

Others to be announced.

**13. History of the English Language.**—(1961-62). M. and W. at 11 a.m. C. L. Lambertson

Prerequisite.—English 2.

**\*14. Poetry and Prose of the English Renaissance.**—(1961-62). M., W. and F. at 9 a.m. M. G. Parks

Prerequisite.—English 2.

Text Books—To be announced.

**\*15. English Literature of the Restoration and Eighteenth Century.**—(1961-62). Tu. and Th. at 11 a.m. A. R. Bevan

Prerequisite.—English 2.

Students intending to take this course are advised to consult the instructor for summer reading.

Text Books—Shepherd and Wood: "English Prose and Poetry, 1660-1800" (Houghton Mifflin). Novels and plays of the period.

**16. The English Novel to 1900.**—(1961-62). M. and W. at 10 a.m. A. R. Bevan

Prerequisite.—English 2.

A detailed study of some of the major English novels. Summer reading is advisable.

**\*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 elected: Chaucer; Dunbar; Spenser; Shakespeare; Milton; Dryden; Burns; Wordsworth; Arnold; Browning.

Prospective students should consult the instructor and arrange for summer reading.

**\*18. Old Norse.**—Hours to be arranged. C. L. Lambertson  
Text Book—Gordon: "Introduction to Old Norse".

**19. Scottish Literature from 1375 to the Present.**—(1961-62).  
Tu. and Th. at 4.30 p.m. A. M. Kinghorn

Prerequisite.—English 2.

Text Book—Gray: "Scottish Poetry from Barbour to James VI".

**\*20. Restoration and Early Eighteenth Century (Seminar).**—  
(1960-61). Hours to be arranged. A. R. Bevan

Prerequisite.—English 15.

Emphasis on the works of Dryden, Swift and Pope.

**21. Twentieth-Century Fiction.**—(1960-61). M. and W. at  
4.30 p.m. A. R. Bevan

Prerequisite.—English 2.

Selected works of Conrad, James, Joyce, Lawrence, Woolf, Forster, Huxley, Cary, Evelyn Waugh, Faulkner, Hemingway.

**\*22. Late Eighteenth and Early Nineteenth Century (Seminar).**

Prerequisite.—English 4 or 15.

**\*23. Spenser and Milton.**—(1960-61). M. and W. at 10 a. m.  
S. E. Sprott

Prerequisite.—English 14.

Spenser: selected shorter poems and special study of "The Faerie Queene". Milton: poetry and selected prose, with emphasis on "Paradise Lost".

Texts—Spenser: "The Shepherd's Calendar and Other Poems" (Everyman edition); "The Faerie Queene" (Everyman, 2 vols.). Milton: Complete Poems and Major Prose (ed. Hughes).

Students intending to take this class should read "The Faerie Queene" during the summer.

**24. Late Victorian Literature.**—(1961-62). Tu. and Th. at 9  
a. m. S. E. Sprott

Prerequisite.—English 2.

A study of the poets, dramatists, and novelists of the period from 1870 to 1920. Some of the writers to be studied are Swinburne, Rossetti, Meredith, Hardy, Wilde, Kipling, Butler, Galsworthy, Housman, Pater, Gilbert, Arnold Bennett, and H. G. Wells.

Texts to be announced.

**25. Shakespeare and Elizabethan Drama (Advance Seminar)**  
(1961-62). Hours to be arranged. S. E. Sprott

Prerequisite.—English 7 or the equivalent.

**26. English Bible.**—W. and F. at 3.30 p.m. J. B. Corston

Prerequisite.—English 2 (which, with the consent of the Head of the Department and of the Lecturer, may be taken at the same time).

This course is an attempt to acquaint the student with the whole field of Biblical Literature as contained in the Old and the New Testaments. The Old Testament is approached as the record of the life of the Hebrew race as that life expressed itself in History, Law, Prophecy, Poetry, Devotion, Wisdom and Apocalypticism. The New Testament is studied as the literature of that new life movement which began in Christianity and issued in the preservation of Gospel records, historical data, and such literary work as bore witness to the life, worship and teaching of the early Christian community.

For reference: J. A. Bewer: "The Literature of the Old Testament"; E. F. Scott: "The Literature of the New Testament"; T. W. Manson: "A Companion to the Bible"; M. E. Chase: "The Bible and the Common Reader".

## FINE ARTS

Lecturer.....Donald C. Mackay

W and F. at 4.30 p. m.

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 the Renaissance to modern times. A valuable collection of books on Art, Photographs, Reproductions and Engravings presented by the Carnegie Foundation is available for the use of members of this class.

Text Book—Gardner: "Art Through the Ages" (Harcourt, Brace).

**French:** see Romance Languages

## GEOLOGY and MINERALOGY

Professor.....C. G. I. Friedlaender (Head of Dept.)  
 Associate Professor.....G. C. Milligan  
 Special Lecturers.....A. E. Cameron, J. E. Blanchard  
 Student Assistants.....W. J. Palmer, D. R. Grant, R. F. G. Quigley

**1. General Geology.**—Lect.: (1) M., W. and F. at 10 a.m. and (2) M., W. and F. at 12 noon. Lab.: Tu. or Th., 2.30–5.30 p.m. or one other afternoon to be arranged, if necessary.  
 G. C. Milligan

Introductory survey of main fields of geology and their relations to one another. Intended for those who are not pursuing geology as a career, as well as for those who are preparing for specialized classes.

Emphasizes the geological events and processes evident in the world about us.

No prescribed text. Readings are assigned from suitable references in the departmental library.

**2. Mineralogy.**—Lect.: Tu. at 10 a.m. Lab.: Two periods per week to be arranged.  
 C. G. I. Friedlaender

Introduction to geometrical and physical crystallography.

Laboratory: Study of crystal models. Use of the polarising microscope. Evaluation of Debye-Scherrer diagrams.

**3. Petrology.**—Lect.: Tu. and Th. at 9 a.m. Lab.: W. afternoon.  
 C. G. I. Friedlaender

Descriptive petrography of common rock types. Introduction to microscopic petrography. Attempt at interpretative petrology.

Laboratory: Practice in megascopic determination of rocks. Study with the microscope of rock-forming minerals and rocks.

**4. Ore-deposits.**—Lect.: Th., 2.30 to 5.30 p.m. G. C. Milligan

Case histories of selected mines and districts illustrating the types in a classification of ore-deposits and the factors controlling ore deposition.

**5. Field Methods.**—Hours to be arranged. G. C. Milligan

Practical mapping experience in a continuing project designed to use most field techniques other than geophysical. Supplementary lectures, discussion and exercises.

Successful attendance at the Spring field course at Crystal Cliffs is credited as part of the work of Geology 5. See p. 112

Prerequisite.—Geology 1, 2, 3, Surveying 1.

**6. Advanced Ore-deposits.**—Hours to be arranged.  
 G. C. Milligan

Controlling factors in deposition of hydrothermal ores, as illustrated by selected districts and mines. Includes exercises in structural problems in mining, and in sampling and valuation. Laboratory work in ore microscopy.

Prerequisite.—Geology 1, 2, 3, 4. (Chemistry 5 is not a prerequisite but is strongly recommended as preparation).

**7. Structural Geology.**—(1961-62, and in alternate years).  
 G. C. Milligan

Seminar. Includes discussion of major structural problems such as orogeny, isostasy, geosynclinal development, granitization, etc.

Prerequisite.—Geology 1, 2, 3, 4, 5.

**8. Selected Topics in Canadian Geology.**—(1960-61, and in alternate years). Hours to be arranged.  
 G. C. Milligan

**9. Geochemistry.**—(1960-61, and in alternate years). Lect.: Th. at 10 a.m.  
 C. G. I. Friedlaender

Abundance and distribution of elements in the lithosphere and special discussion of the preponderant elements and their nuclides.

**10. Volcanoes and Volcanic Products.**—(1960-61, and in alternate years). Lect.: W. at 10 a.m.  
 C. G. I. Friedlaender

**11. Metallurgy and Mineralogy.**—Two hours per week and Lab. Hours to be arranged.  
 A. E. Cameron

Lecture and laboratory course on the evaluation of mineral deposits, and on the use of the physical and chemical properties of minerals in the recovery of metal from ore.

**12. Earth Physics.**—Lect.: 2 hours per week; Lab.: 3 hours per week. Hours to be arranged.  
 J. E. Blanchard

The origin, age and constitution of the Earth. The physical properties of rocks and minerals and the application of geophysics to geological problems.

Prerequisites.—Geology 1, Physics 1, Mathematics 2.

**13. Sedimentation.**—Two hours per week.

Sedimentation processes and sedimentary rocks.

**14. Crystal Chemistry.**—(1961-62, and in alternate years).  
 C. G. I. Friedlaender

**15. Advanced Petrology.**—(1961-62, and in alternate years). Hours to be arranged.  
 C. G. I. Friedlaender

Universal Stage Methods. Study of Petrofabrics. Modal Analysis.

**Geology Seminar.** Presentation of papers by quest speakers, members of the staff and senior students.

**Spring Course in Field Geology.**

In cooperation with Acadia, Mount Allison, St. Francis Xavier and St. Mary's Universities, a field course of approximately two weeks duration

is conducted at Crystal Cliffs, N. S. This course is held immediately following the conclusion of Spring examinations. Open to students majoring in Geology. A fee of \$40 for full board is payable upon arrival at Crystal Cliffs. For registration, contact Head of Department before March.

Successful attendance at this course is credited as part of the work of Geology 5.

### GERMAN

Assistant Professor ..... P. Michelsen  
Lecturer.....Renate Usmiani

#### GERMAN LANGUAGE AND LITERATURE COURSES

**A. Complete First Course in German.**—(1) M., W. and F. at 11 a.m.; (2) Tu., Th. and S. at 11 a.m. Renate Usmiani

This course is intended for those beginning the study of the German language. It may be counted as a credit towards a degree if a second class in German has been satisfactorily completed.

Students who have passed Grade XI or XII German, or have credit in German from another university, or come from a foreign country, are required to consult the German Department before registration.

**1. Review of Basic Spoken and Written German.**—Tu., Th. and S. at 9 a.m. Renate Usmiani

Prerequisite.—Matriculation German, German A or equivalent.

**2. Written and Conversational German.**—M., W. and F. at 10 a.m., or at hours to be arranged. P. Michelsen

Prerequisite.—German A (with final mark of 80 or over) or German 1.

This course is meant to develop facility in speaking German. Short essays will be written, selections of German short stories will be read.

**3. Science Reading.**—Hours to be arranged. P. Michelsen

Prerequisite.—German A or equivalent reading knowledge of German.

This course is designed to enable Science, Pre-medical, Pre-dental and Engineering students to use scientific texts. It will not count for Arts students in (i) of degree course. See p. 49

**4. Study of German Prose.**—M. and W. at 3.30 p.m., or at hours to be arranged. P. Michelsen

Prerequisite.—German 2 or equivalent.\*\*

The aim of this course is to familiarize the students with German literary prose.

\*\*For students who have honour standing it is recommended to take German 2 and 4 in the same year.

Short essays will be written.

Students intending to take this course are recommended to see the instructor for summer reading.

\*5. **The Life and Works of Goethe.**—Hours to be arranged. P. Michelsen

\*6. **Lessing and His Time.**—Hours to be arranged. P. Michelsen

\*7. **The Life and Works of Schiller.**—Hours to be arranged. P. Michelsen

\*8. **19th Century Dramatists.**—Hours to be arranged. P. Michelsen

\*9. **The 20th Century Novel.**—Hours to be arranged. P. Michelsen

#### GENERAL COURSES

The following courses are open to all students and will be given in English, with reading in translation.† They may count for credit in Group (vii) (page 49); in Group (vi) (page 49) they may count with the completion of a language course (German 1-4).

For Honours students and those wishing to take advanced German courses (5-8) two general courses (among which L1) are required. It is recommended that students take these courses before entering German 5.

**L1.—General Survey of German Literature.**—Two hours per week. Renate Usmiani

The development of German Literature, from the beginnings to the 20th Century.

**L2. German Literature of the 18th Century (Enlightenment).**—Two hours per week. P. Michelsen

**L3. German Literature, 1770-1830.**—Two hours per week. P. Michelsen

This course covers the period of German Classicism (Goethe, Schiller) and Romanticism.

**L4. German Literature of the 19th Century.**—Two hours per week. P. Michelsen

\*Students wishing to take these courses are recommended to see the instructor for summer reading.

†Texts will be announced at the beginning of class

**L5. German Literature of the 20th Century.**—Two hours per week. P. Michelsen

### HEBREW

Special Lecturers ..... J. B. Hardie, W. W. Clarkson

1. For lecture hours see Pine Hill and King's College Divinity time tables.

### HISTORY

Professor.....G. E. Wilson (Head of Dept.)  
Associate Professor.....C. B. Fergusson  
Assistant Professors.....Peter B. Waite, H. S. Granter, G. R. MacLean

1. **History of Europe since the Fall of the Roman Empire.**—  
1) M., W. and F. at 9 a.m., (2) M., W. and F. at 10 a.m. G. E. Wilson,  
G. R. MacLean

2. **Ancient History.**—Tu, Th. and S. at 9 a. m. H. S. Granter  
Prerequisite.—History 1.

3. **History of England to 1714.**—(1961-62, and in alternate years).  
M., W. and F. at 10 a.m. H. S. Granter  
Prerequisite.—History 1.

Special emphasis will be given to the Tudor and Stuart periods.

4. **History of Europe since 1815.**—(1960-61, 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, no text 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.**—(1961-62, 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. **History of England since 1714.**—(1960-61, and in alternate years).  
M., W. and F. at 10 a.m. H. S. Granter

Prerequisite.—History 1.

Special emphasis will be given to the Nineteenth Century.

7. **The Middle Ages.**—(1961-62, and in alternate years). M. and  
W. at 2.30 p.m. H. S. Granter

Prerequisite.—Two classes in History.

8. **History of Canada to 1867.**—(1961-62, and in alternate years).  
Tu., Th. and S. at 10 a. m. P. B. Waite

Prerequisite.—History 1.

9. **History of Canada since 1867.**—(1960-61, and in alternate years).  
Tu., Th. and S. at 10 a. m. P. B. Waite

Prerequisite.—History 1.

10. **Seminar Course on Canadian History with Special Reference to Nova Scotia.**  
C. B. Fergusson

For Honours 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.**—(1960-61). M., W.  
and F. at 10 a. m. P. B. Waite

Prerequisite.—History 1.

12. **History of the United States since 1865.**—(1961-62). M., W.  
and F. at 10 a. m. P. B. Waite

Prerequisite.—History 1.

13. **History of Russia.**—(1960-61). M., W. and F. at 2.30 p. m.  
P. B. Waite  
Prerequisite.—History 1.

14. **Renaissance and Reformation.**—(1961-62). M., W. and F.  
at 2.30 p. m. P. B. Waite

Prerequisite.—Two classes in History.

15. **English Constitutional History.**—(1960-61, and in alternate years).  
Hours to be arranged. H. S. Granter

Prerequisite.—History 1 and a course in English History

16. **A Period in Modern European History.**—M. and W.  
at 11 a. m. G. E. Wilson

For Honours and M. A. Students.

17. **A Period in Nineteenth Century English History.**—Hours  
to be arranged. H. S. Granter



For Honours and M. A. Students

18. **A Period in American History.**—Hours to be arranged.  
P. B. Waite

For Honours and M. A. Students.

19. **History of Europe in the Twentieth Century.**—M., W. and F.  
at 9 a. m. G. R. MacLean

Prerequisite.—History 1.

20. **History of the British Empire and Commonwealth.**—  
(1960-61, and in alternate years). Tu. and Th. at 3.30 p.m. G. R. MacLean

Prerequisite.—Two classes in History.

21. **A Period in Twentieth Century.**—Hours to be arranged.

For Honours and M. A. Students. All others must obtain the consent of the instructor.

**Note.**—Two classes given by the Classics Department:—Classical History 21 and 22 (see p. 84) are History classes and can be counted as such.

### LAW

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.

### MATHEMATICS‡

Professor.....	J. G. Adshead (Head of Dept.)
Associate Professor.....	A. J. Tingley
Assistant Professors.....	E. L. Heighton, H. D. Cochrane
Lecturer.....	E. B. Davies
Special Lecturers.....	A. C. S. Browne, H. R. Love

1. **Mathematical Analysis.**—Sections A: M., W., and F., at 10 a.m.; or M., W., and F. at 11 a.m.; Sections B: M., Tu., W., Th., F., at 9 a.m.; or M., Tu., W., Th., F. at 1.30 p.m. or at times to be arranged. See time table on notice boards at the beginning of term.

A. J. Tingley, E. L. Heighton, H. D. Cochrane

Sections A are for students who have Grade XI marks of at least 70% in both Algebra and Geometry. Sections B are for students whose grade XI marks are lower than this, but more than 50%.

Prerequisite.—Matriculation Algebra and Geometry.

Algebra, including coordinates, graphs, logarithms to any base, the binomial theorem, introduction to limits and slopes of curves, simple infinite series. Plane trigonometry, including the addition theorems and theoretical solution of triangles. Introduction to plane analytic geometry.

1E. See page 105

2. **Calculus.**—(1) M., W. and F. at 11 a. m.; (2) M., W. and F. at 9 a.m.; (3) M., W. and F. at 10 a.m. J. G. Adshead, H. D. Cochrane

Prerequisite.—Mathematics 1, or Grade XII Algebra and Trigonometry with marks of at least 70% in each.

Coordinates in two and three dimensions, including revision of plane and spherical trigonometry. Conics. Differential and integral calculus.

Text Book—Sherwood and Taylor: "Calculus", Chapters I-X.

2E. See page 105.

25. **Probability and Mathematical Statistics.**—(1960-61). M., W. and F. at 12 noon. A. J. Tingley

Prerequisite.—Mathematics 2.

Probability theory will be taken up from an axiomatic point of view, and numerous applications considered. Topics in mathematical statistics will include measures of central tendency and dispersion, significance tests, confidence intervals, etc.

Text Book—To be announced.

3. **Analysis.**—Tu. and Th. at 11 a. m.

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—Sherwood and Taylor: "Calculus", Chapters XIII-XVI. Walmisley: "Mathematical Analysis".

‡ Changes or additions may be announced at the beginning of the academic year

**4. Geometry.**—Tu. and Th. at 10 a. m. J. G. Adshead

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. Determinants and matrices will be introduced and used.

Text Books—Osgood & Graustein: "Plane and Solid Analytic Geometry" Widder: "Advanced Calculus". Osgood: "Advanced Calculus" Burington and Torrance: "Higher Mathematics".

**33. Linear Algebra.**—Tu. and Th. 2.30 p.m. H. D. Cochrane

The number system, rings and fields, n-dimensional vector spaces, linear transformations and matrices.

Text Books—Weiss: "Higher Algebra". Thrall and Tornheim: "Vector Spaces and Matrices". Beaumont and Ball: "Introduction to Modern Algebra and Matrix Theory".

**34.** Tu, Th. and S. at 11 a. m. E. L. Heighton

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, and may not be offered for a degree in Arts or Science.

### 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.

**6. Projective Geometry.** J. G. Adshead

Text Books—Graustein: "Introduction to Higher Geometry". Books by Young, Veblen and Young, Maxwell.

**7. Theory of Functions of a Real Variable.**—(1961-62).

Elements of sets of points, convergence of double and simple series, summation of divergent series, Fourier series, Lebesgue integration.

Books—Widder: "Advanced Calculus". Valiron: "Théorie des fonctions". Knopp: "Unendliche Reihen". Hardy: "Divergent Series". Jeffery: "Theory of Functions of a Real Variable". Works by Hardy and Rogosinski, Lebesgue, Saks, Newman, Graves and Burkill.

**12. Differential Equations.**—(1961-62). Tu. and Th. at 9 a.m.

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 equations of Bessel and Legendre.

Text Books—Piaggio: "Differential Equations". Ince: "Ordinary Differential Equations". Poole: "Linear Differential Equations". Agnew: "Differential Equations". MacRobert: "Spherical Harmonics". Hobson: "Spherical and Ellipsoidal Harmonics". Gray and Matthews: "Treatise on Bessel Functions".

\*3 and \*4. These are the third and fourth year classes listed on page 54 for Honours students in Mathematics.

If required, other classes may be arranged, such as Mathematics 6, and 9. Students wishing to attend any class of this nature should consult the Department of Mathematics.

**5. Theory of Functions of a Complex Variable.**

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, various applications.

Books—Titchmarsh: "Theory of Functions". Vallron: "Théorie des fonctions". Knopp: "Funktionentheorie". MacRobert: "Functions of a Complex Variable". Works by Churchill, Ritt, Caratheodory, Whittaker and Watson, Pierpont, Bieberbach.

**8. Selected topics in Modern Analysis.**

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.

### MEDICINE

Classes conducted by the Faculty of Medicine 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 and Science when offered by a student taking the affiliated course in Medicine.

### MUSIC

Lecturer..... G. C. Naylor

**1. History and Appreciation of Music.**—Tu., Th. at 4.30 p.m., and S. at 11 a.m.

An outline of the whole history of Music and a more detailed study of the principal composers and their works from Palestrina to Brahms.

Text Books—Bernstein: "An Introduction to Music". Bockman & Starr: "Scores for Listening".

**2. Music in the Twentieth Century.**—M. and W. at 9 a.m.

Questions of perspective, and a detailed study of post-Wagnerism, Impressionism and Expressionism, Bartok, Sibelius, the re-emergence of British music, and contemporary American Trends.

Text Books—To be announced.

### OCEANOGRAPHY

**1. Synoptic and Dynamic Oceanography.**—Lect.: Tu. and Th. at 10 a.m.  
R. W. Stewart, N. J. Campbell, R. W. Trites

Prerequisite.—Mathematics 1 and two Science classes.

This class is required of all graduate students in Oceanography. It may be taken as an elective only, by senior undergraduates. Topics will include a survey of the oceans and oceanic circulation, physical properties of sea water, distribution of temperature and salinity, energy budget and capacity to produce life, currents, waves, tides and eddy diffusion.

### PHILOSOPHY

Associate Professor..... R. H. Vingoe  
Assistant Professor..... I. A. MacLennan

**1. An Introduction to Philosophy.**—Tu., Th. and S. at 10 a.m.  
I. A. MacLennan

**2. Logic.**—(1960-61). M. and W. at 11 a.m. R. H. Vingoe

Prerequisite.—Philosophy 1 or Mathematics 1.

An introduction to the principles of accurate reasoning. The main topics discussed are the relation of language to thought, and the various methods of deductive and inductive reasoning.

**3. Ethics.**—(1960-61). M., W. and F. at 12 noon. I. A. MacLennan

Prerequisite.—Philosophy 1.

**4. Philosophy and Science.**—(1960-61). Tu. and Th. at 1 p.m.  
R. H. Vingoe

Prerequisite.—Philosophy 1 or first year Science complete. Others may be admitted with the permission of the instructor.

An introduction to the historical and conceptual relations between Philosophy and Science. Special attention will be given to the post-Copernican period.

**5. The Philosophy of the Greeks up to and including Aristotle.**—(1960-61). W. and F. at 1.30 p.m. R. H. Vingoe

Prerequisite.—Philosophy 1 or 4.

**6. Medieval Philosophy.**—(1960-61). Hours to be arranged.  
J. A. Doull

Prerequisite.—Philosophy 1.

**7. Philosophy from Descartes to Kant.**—(1960-61). Hours to be arranged.  
I. A. MacLennan

Prerequisite.—Philosophy 1.

**8. Philosophy from Kant to Dewey.**—(1961-62). Hours to be arranged.  
R. H. Vingoe

Prerequisite.—Philosophy 1.

**9. Contemporary English Philosophy.**—(1961-62). Hours to be arranged.  
I. A. MacLennan

Prerequisite.—Philosophy 1.

An introduction to the linguistic developments in philosophy.

Text Books—Ayer, Kneale, etc.: "The Revolution in Philosophy"; "Logic and Language" (1st and 2nd series. Ed. A. G. N. Flew).

**\*10. The Philosophy of Plato.**—(1960-61). Hours to be arranged.  
R. H. Vingoe

For Honours and M. A. students. Other students may be admitted with the permission of the instructor.

**\*11. The Philosophy of Aristotle.**—(1961-62). Hours to be arranged.  
R. H. Vingoe

For Honours and M. A. students. Other students may be admitted with the permission of the instructor.

**\*12. The Philosophy of Kant.**—(1960-61). Hours to be arranged.  
I. A. MacLennan

For Honours and M.A. students. Other students may be admitted with the permission of the instructor.

**\*13. Modern Formal Logic.**—(1961-62). Hours to be arranged.  
I. A. MacLennan

For Honours and M.A. students. Other students may be admitted with the permission of the instructor.

### PHYSICS

Professors..... E. W. Guptill (Head of Dept.),  
W. J. Archibald, A. D. MacDonald, J. H. L. Johnstone, A. T. Stewart.  
Visiting Professor..... R. W. Stewart  
Associate Professors..... C. K. Hoyt, J. E. Blanchard  
N. R. C. Post-Doctoral Fellow..... A. M. R. van Iersel  
MacGregor Teaching Assistant..... C. G. White  
A. Stanley Mackenzie Teaching Fellow..... F. W. Dobson  
Demonstrators (1959-60)..... G. G. R. Buchbinder, G. V. Haines,  
M. H. Jericho, C. P. Martel, R. H. March, N. P. Patterson, L. Van-  
derZwan, P. J. Whelan.

**1. General Physics.**—Lect.: M., W. and F. at 11.00 a.m. Lab.: Three hours per week. (M., Tu., or F.)  
A. D. MacDonald

This is a general course in Physics designed primarily for students in arts, pre-medicine, pre-dentistry and pharmacy.

Prerequisite.—Mathematics 1, which may, however, be taken at the same time.

Text Book—Beyer and Williams: "College Physics".

**1c. Mechanics, Electricity and Magnetism.**—Lect.: (1) M., W. and F. at 9 a.m., (2) Tu., Th. and S. at 11 a.m. Lab.: Three hours per week.

W. J. Archibald, A. T. Stewart

Prerequisite.—Mathematics 1, which may, however, be taken at the same time.

This course is designed primarily for students intending to specialize in Engineering and Physics.

Text Book—Sears and Zemansky: "University Physics."

**2. Sound, Heat and Light .**—Lect.: M., W. and F. at 10 a.m. Lab.: F. at 2.00 to 5.00 p.m.

C. K. Hoyt

Prerequisite.—Physics 1 and Mathematics 2, which may, however, be taken at the same time.

This course is a continuation of Physics 1c and is designed primarily for students intending to specialize in Engineering and Physics.

Text Book—Sears and Zemansky: "University Physics."

**3. Electricity and Magnetism.**—Lect.: Tu., Th. and S. at 9 a.m. Lab.: W. at 2.00 to 5.00 p.m.

J. H. L. Johnstone

Prerequisite.—Physics 1 or Physics 2, and Mathematics 2.

Text Books—Sears and Zemansky: "College Physics". Timble and Bush: "Principles of Electrical Engineering".

**4. Atomic Physics.**—Lect.: M., W. and F. at 9 a.m.

E. W. Guptill

Prerequisite.—Physics 2 and Mathematics 2

This course is an introductory survey of more recent experimental and theoretical developments in Physics. Topics include electrons, photoelectric effect, X-rays, relativistic mechanics and nuclear physics.

**5. Physical Optics.**—Lect.: M. and W. at 11 a. m.

Prerequisite.—Physics 3.

Diffraction theory, origin of spectra, Zeeman effect, atomic theory of dispersion, etc.

**6. Advanced Electricity.**—Lect.: Tu., Th. and S. at 10 a. m. Lab.: Three hours per week.

A. D. MacDonald

Prerequisite.—Physics 3 and Mathematics 2.

**7. Thermodynamics and Statistical Mechanics.**—Lect.: M. and W. at 11 a. m. E. W. Guptill.

Prerequisite.—Physics 3.

Text Books—Squire: "Low Temperature Physics". Allis and Herlin: "Thermodynamics and Statistical Mechanics".

**8. Electronics.**—Three hours per week.

C. K. Hoyt

Prerequisite.—Physics 6.

Topics will include solid state theory required for an understanding of thermionic and semi-conductor devices, the properties of electronic devices and circuit components, and the analysis of a variety of circuits of importance in the laboratory.

**9. Wave Propagation.**—Two hours per week. J. E. Blanchard

Prerequisite.—Physics 6.

**10. Acoustics.**—Two hours per week.

Prerequisite.—Mathematics 3, Physics 6.

**11A. Intermediate Physics Laboratory.**—Six hours per week.

E. W. Guptill

Prerequisite.—Physics 3, two additional classes in Physics (which may, however, be taken at the same time).

Text Book—Wilson: "Introduction to Scientific Research".

**11B. Advanced Physics Laboratory.**—Six hours per week.

E. W. Guptill

Prerequisite.—Physics 11A.

**12. Electronic Collision Phenomena.**

A. D. MacDonald

Prerequisite.—Physics 16.

Text Book—Massey & Burhop: "Electronic and Ionic Impact Phenomena".

**13A. Geophysics.**—Two hours lectures per week. J. E. Blanchard

Prerequisite.—Physics 6 and Mathematics 3.

Problems in potential theory, elasticity and hydrodynamics.

**13B. Exploration Geophysics.**—Two hours lectures, three hours laboratory per week.

J. E. Blanchard

This course is designed for those registered in Engineering Physics who intend to specialize in Geophysics.

**14. Mechanics.**—Two hours lectures per week.

C. K. Hoyt

Prerequisite.—Mathematics 2 and Physics 2.

**15. Nuclear Physics.**—Two hours per week. A. T. Stewart  
Prerequisite.—Physics 16.

**16. Introduction to Mathematical Physics.**—Two hours lectures per week. A. D. MacDonald

Prerequisites.—Mathematics 3 and Physics 6.

Text Books—Goldstein: "Classical Mechanics" and also Slater: "Quantum Theory of Matter".

**18. Quantum Theory.**—Two hours per week. W. J. Archibald

Prerequisite.—Physics 16.

Text Book—Schiff: "Quantum Mechanics".

**19. Statistical Mechanics.**—Two hours per week. W. J. Archibald

Prerequisite.—Physics 7 and Physics 16.

**20. Electromagnetic Theory.**—Two hours per week. E. W. Guptill

Prerequisite.—Physics 16.

Text Book—Stratton: "Electromagnetic Theory".

**21. Solid State Physics.**—Two hours per week. A. T. Stewart

**22. Fluid Mechanics.** R. W. Stewart

#### Seminar and Journal Club.

Lectures on recent developments in Physics and Chemistry; presentation of papers by senior students; reviews of current journals. All Honours and Graduate Students are required to attend.

#### Graduate Classes in Physics

These are listed in the section of the Calendar describing the Faculty of Graduate Studies. Honours and other senior students in Physics may register for certain of these classes, providing they have the necessary prerequisites and have the consent of the Head of the Department.

#### POLITICAL SCIENCE

Professor.....J. H. Aitchison  
Assistant Professor.....D. J. Heasman

**1. Democratic Government and Politics.**—(1960-61). M., W. and F. at 1.30 p.m. J. H. Aitchison

An introduction to the study of democratic government and politics with emphasis on the government of Canada.

**2. The Government of the United Kingdom and the United States.**—(1961-62). M. and W. at 12 noon. D. J. Heasman

Prerequisite.—Political Science 1.

**3. Comparative Government.**—(1960-61). M. and W. at 12 noon. D. J. Heasman

Prerequisite.—Political Science 1.

A study of the political systems of the major countries of the world other than those covered in Political Science 1 and 2.

**4. Political Theory: from Plato to the end of the Middle Ages.**—(1960-61). Tu. and Th. at 2.30 p. m. J. H. Aitchison

**5. Political Theory: Sixteenth, Seventeenth and Eighteenth Centuries.**—(1961-62). Tu. and Th. at 2.30 p.m. J. H. Aitchison

**6. The State and Economic Life.**—(1960-61). Hours to be arranged. J. H. Aitchison

A study of the causes, nature and effects of state activity in the economic life of the nations of the British Commonwealth and of the United States in the nineteenth and twentieth centuries.

**7. The Constitution and Government of Canada.**—(1961-62). Hours to be arranged. J. H. Aitchison

An intensive study of the Canadian federal system with special attention to certain selected problems.

**8. International Relations.**—(1961-62). M. and W. at 2.30 p.m. D. J. Heasman

**10. Political Institutions.**—Seminar. (1960-61). Hours to be arranged. D. J. Heasman.

Prerequisites.—Political Science 1 and either 2 or 3.

For Honours and M. A. students. Others must have the consent of the Instructor.

A comparative study of institutions of government, administrative processes, political parties and interest groups, with reference to political ideas and the development of political theory.

**11. Political Theory: Nineteenth and Twentieth Centuries.**—(1960-61). M. and W. at 2.30 p.m. D. J. Heasman

**12. Public Administration.**—(1961-62). Tu. and Th. at 1.30 p.m. D. J. Heasman

Arrangements have been made for students of Political Science to take the following courses given in the Law School, subject to the recommendation of the Department:

Constitutional Law  
Administrative Law  
International Law  
Municipal Law

## PSYCHOLOGY

Professor.....F. H. Page (Head of Dept.)  
 Associate Professors ..... H. D. Beach, Frances Marshall  
 Assistant Professor.....J. W. Clark  
 Special Lecturers.....Margaret Vincent, B.K. Doane

- 1. General Psychology.**—M., W. and F. at 10 a. m.  
 F. H. Page, J. W. Clark

Text Book—Krech and Crutchfield: "Elements of Psychology".

- 2. Social Psychology.**—(1960-61). M. and W. at 9 a. m.  
 F. H. Page  
 Prerequisite.—Psychology 1.

Text Books—Klineberg: "Social Psychology". Asch: "Social Psychology".

- 3. Child Psychology.**—(1961-62). M. and W. at 9 a. m.  
 F. H. Page  
 Prerequisite.—Psychology 1.

Text Books—Landreth: "The Psychology of Early Childhood". Church and Stone: "Childhood and Adolescence".

- 4. Theories of Personality.**—M. and W. at 2.30 p.m. J. W. Clark  
 Prerequisite.—Psychology 1.

A comparative study of theories of personality with special reference to experimental research on the development of personality traits.

Text Book—Hall and Lindzey: "Theories of Personality".

- \*6. History and Systems of Psychology.**—(1960-61). Tu. and Th. at 9 a. m.  
 F. H. Page

Prerequisite.—At least two classes in Psychology.

Primarily for Honours and Graduate Students but others may be admitted with the consent of the instructor.

Reference Books—Brett: "History of Psychology", (ed. Peters). Murphy: "An Historical Introduction to Modern Psychology". Boring: "History of Experimental Psychology". Woodworth: "Contemporary Schools of Psychology". Singer: "Short History of Science".

- 8. Abnormal Psychology.**—W. and F. at 11 a. m. F. Marshall  
 Prerequisite.—Psychology 1 and 4.

Text Book—White: "The Abnormal Personality". (2nd ed.).

- \*10. Psychology of Learning.**—W. and F. at 12 noon.  
 H. D. Beach

Prerequisite.—Psychology 1.

Primarily for Honours and Graduate Students but others may be admitted with the consent of the instructor.

A study of the learning process and its experimental basis, with reference to contemporary theories of learning.

Text Book—Deese: "The Psychology of Learning". (2nd ed.).

- 11. Experimental Psychology and Statistics.**—Tu. and Th. at 2.30 p.m. and a two-hour laboratory period each week.  
 H. D. Beach,  
 J. W. Clark

Prerequisite.—Psychology 1.

This course gives a general coverage of experimental contributions to psychology, with discussion of techniques and the scientific method in psychology. In addition the student will conduct a series of psychological experiments. Part of the course will deal with the main statistical techniques necessary for research in psychology.

Text Books—Underwood: "Experimental Psychology". Edwards: "Statistical Methods for the Behavioral Sciences".

- 12. Psychometrics.**—Tu. and Th. at 11 a. m. F. Marshall

Prerequisites.—Psychology 1, Psychology 11, and at least one of Psychology 2, 3 or 4.

The theory and construction of individual and group mental tests; statistical procedures; the examination of representative tests; supervised practice in the administration of the Terman-Binet and Wechsler-Bellevue tests of intelligence.

Text Books—Anastasi: "Psychological Testing". Terman and Merrill: "Measuring Intelligence". Wechsler: "The Measurement and Appraisal of Adult Intelligence" (4th ed.).

- 20. Physiological Psychology.**—Hours to be arranged.  
 B. K. Doane

Prerequisite.—Psychology 1.

References—Gardner: "Fundamentals of Neurology" (3rd ed.). Hebb: "A Text-book of Psychology". Morgan and Stellar: "Physiological Psychology" (2nd ed.).

**RELIGION**

Students interested in courses in Religious Knowledge are referred to the following courses available in the different Departments:

- English 26 (English Bible)  
 Sociology 4 (Christianity and Western Civilization)  
 Sociology 7 (Comparative Study of Religion)  
 Philosophy 3 (Ethics)  
 Philosophy 4 (Philosophy and Science. In Philosophy, this course is especially recommended to theological students.)  
 Philosophy 6 (Mediaeval Philosophy - Meeting of Augustinian and Thomistic Traditions)

**ROMANCE LANGUAGES**

Professor.....P. Chavy (Head of Dept.)  
 Assistant Professors.....Maria Teresa Garcia-Lopez, H. F. Aikens  
 Lecturers.....Suzanne J. Chavy, Irène Coffin  
 Margaret Davies

**French**

A Language Practice Laboratory is at the disposal of students, enabling them to make up their deficiencies in spoken French. Special laboratory work will be required in certain classes.

**Basic Classes**

(Conducted partly in English, partly in French)

1. **A General Review of Basic French.**—Three hours per week.  
 (1) M., W. and F. at 10 a.m.; (2) Tu., Th. and S. at 9 a.m.; (3) Tu., Th. and S. at 10 a.m.; (4) Tu., Th. and S. at 11 a.m.  
 Irène Coffin  
 Margaret Davies

The objectives of this course are: (1) familiarity with the basic forms of the written language (grammar and vocabulary), leading to skill in reading and self-expression (written exercises); (2) a knowledge of the fundamentals of French pronunciation (ability to write from dictation and to pronounce with reasonable accuracy material studied in class). Recorded material is available in the Language Laboratory for training and practice in pronunciation.

Prerequisite.—Junior Matriculation French and entrance test. Students who fail in the Christmas examinations may be required to take French 1A (see below) in the second term.

- 1A. French 1 with two additional hours.—Five hours per week. For French 1 classes, see timetable above. Additional classes: M. and F. at 1.30 p.m.  
 P. Chavy

This course is designed to meet the needs of (1) students who are beginning the study of French and (2) others who, in the opinion of the Department, are insufficiently prepared to take French 1. The special attention given students in French 1A should enable them to reach the level of French 1 by the end of the session. The final examination is that of French 1.

2. **Introduction to Literary and Conversational French.**—Three hours per week. (1) M., W. and F. at 9 a.m.; (2) Tu., Th. and S. at 9 a.m. (3) and (4) Tu., Th. and S. at 10 a.m.; (5) Tu., Th. and S. at 11 a.m.

Suzanne J. Chavy, Margaret Davies

The objectives of this course are similar to those of French 1, but at a higher level. Attention is placed on the literary qualities of the reading selections studied. Practical exercises in conversation. Students take a series of oral tests requiring preparation in the Language Laboratory.

Prerequisite.—French 1, or Senior Matriculation French and entrance test. Students who fail in the Christmas examination may be required to take French 2A (see below) in the second term.

**2A. French 2 with two additional hours.**—Five hours per week. For French 2 classes, see timetable above. Additional classes: M. and F. at 1.30 p.m. Suzanne J. Chavy

This course is designed to meet the needs of students who, in the opinion of the Department, are insufficiently prepared to take French 2. The special attention given students in French 2A should enable them to reach the level of French 2 by the end of the session. The final examination is that of French 2.

**O. Oral French.**—Five hours per week. (1) M., Tu., W., Th. and F. at 10 a.m.; (2) M., Tu., W., Th. and F. at 11 a.m. H. F. Aikens

With the consent of the instructor, students may select their classes from both sections for timetable convenience.

In this course, the first objectives are "native-like aural comprehension" and fluency in the use of the spoken language. Extensive use is made of the Language Laboratory. Reading and writing skills are developed as secondary (though still important) objectives. Admission to this class is limited.

Prerequisite.—Matriculation French (Junior or Senior), or French 1.

N. B.—French 1 and 2 are recommended for students whose main goal in the study of French is the acquisition of the reading knowledge of the language for general cultural purposes. French O is recommended for students who wish to take Senior classes in French.

### Intermediate Classes

(Conducted in French)

These two intermediate classes are the next step for students of French 2 or French O who wish to carry on their French studies. Both are given at the same level; they differ only in their objectives.

Prerequisite.—French 2 or French O.

**3. Practice in Oral and Written Self-expression.**—(1) Tu. and Th. at 3.30 p.m.; (2) W. and F. at 4.30 p.m. H. F. Aikens

Oral discussions and written compositions based on the subject: France—the country, her people and civilization. Oral and written exercises requiring preparation in the Language Laboratory.

Text Book—Ledéser: "La France"

**4. General Survey of French Literature and Thought.**—Tu. and Th. at 4.30 p.m. P. Chavy

This course aims at introducing students to the greatest writers and the most significant masterpieces of French Literature, from the Middle Ages to our time.

Text Book—Steinhauer and Walker: "Omnibus of French Literature"

### Senior Classes (Conducted in French)

Prerequisite.—French 3 or French 4.

**5. Old French.**—W. and F. at 9 a.m. P. Chavy

Historical grammar and mediaeval French literature will be studied through a comprehensive anthology of old texts.

Text Books—Castex-Surer: "Moyen Age". Volle: "Morceaux Choisis du Moyen Age"

**8. French Literature and Thought in the Eighteenth Century.**—(1960-61). W. and F. at 10 a.m. P. Chavy

A study of the various literary and philosophical trends in France in the "Age of Enlightenment".

**9. Nineteenth Century French Literature.**—(1961-62). W. and F. at 10 a.m. P. Chavy

A study of the great authors in the Romantic and Realistic period.

Text Books—Castex-Surer: "XIXe Siècle". Chevallier-Audiat: "Textes Français. XIXe Siècle".

**10. Contemporary French Literature.**—W. and F. at 11 a. m. P. Chavy

A study of the most representative French writers of our time (1880-1950).

Text Books—Castex-Surer: "XXe Siècle"; Gendrot-Eustache: "Auteurs Français. XXe Siècle".

**\*11. French Stylistics.**—(1961-62 and in alternate years). Tu. and Th. at 2.30 p.m. P. Chavy

For Honours and M. A. students.

Designed to give students a finer feeling for French style. Study of means of expression, levels of speech, etc. Advanced exercises in translation with emphasis on accuracy and elegance.

**\*12. Advanced Phonetics and Diction.**—(1960-61 and in alternate years). Tu. and Th. at 2.30 p.m. P. Chavy

For Honours and M. A. students.

Aims to provide a scientific basis for correct pronunciation. Intensive aural-oral training by means of dictations, phonetic symbols, tape-recordings, etc. Practical exercises in intonation and diction.

### Spanish

**Spanish A.**—Tu., Th. and S. at 10 a.m.

This is an introductory course (conducted partly in English, partly in Spanish), designed for students who are beginning the study of Spanish. It can be counted as a credit towards a degree or diploma only if it is followed by a second class in Spanish.

Text Books—Armitage-Meiden: "Beginning Spanish".



1. (1) M., W. and F. at 9 a.m.
- (2) M., W. and F. at 10 a.m.

Prerequisite.—Spanish A or a matriculation credit in Spanish.

Special stress will be given to conversation and composition on Hispanic subjects in the second term of the year. There will be an oral examination at the end of the year.

Text Books—Amitage-Meiden: "Beginning Spanish". Rodriguez-Castellano: "Introducción a la Historia de España".

2. Tu., Th. and S at 11 a.m.

Prerequisite.—Spanish 1.

A course in Grammar (conducted in Spanish.) will be in the first part of the term. Translations and lectures about modern Spanish and South American literatures. "Generacion del 93". Azorin, Unamuno, Machado.

Text Books—Luis Navascués: "De Unamuno a Ortega y Gasset". (Harper & Brothers). Montrose Ramsey: "Modern Spanish". Conant: "Modern Science and Modern Man" (Anchor Book). Actualidad (Madrid Weekly).

3. (1960-61). W. and F. at 2.30 p.m.

Prerequisite.—Spanish 2.

Conducted in Spanish. A review of Spanish grammar will be given in the first part of the term. Composition and conversation in modern Spanish. Classical Spanish will be discussed. Every student will present a paper during the year after some reading on an author.

Text Books—Da Cal Literatura del Siglo XX. Cervantes-Don Quijote.-Ortega y Gasset: "El Tema de Nuestro Tiempo" (Coleccion Austral). Maranon: "Vida e Historia" (Coleccion Austral). Arnold. Twelve Modern Short Stories. "Actualidad" (Madrid Weekly).

4. **History of the Spanish Literature.**—(1960-61). W. and F. at 2.30 p.m.

Prerequisite.—Spanish 3.

Conducted in Spanish.

Los origenes de l castellano—Los cantares de Gesta—El cantar de "Mio Cid". La España del siglo XIV.—"El Conde de Lucanor"—La época de los Reyes Católicos—La Literatura Española del siglo de Oro—Cervantes y su epoca. El Quijote en la literatura mundial.—La novela Picaresca.—Quevedo—Lope de Vega. Tirso de Molina y la Leyenda de Don Juan. Calderon. Outline of history from 12th to 17th centuries.

5. **History of Spain and Spanish Literature.**—(1961-62).

El influjo Francés y el Neoclasicismo. La reacción nacional el teatro del siglo XVIII. España en la Europa del siglo XVIII. La Ilustración en España. La invasión napoleónica y la perdida de las colonias hispano-americanas. Liberalismo y Absolutismo. El Romanticismo literario. Las guerras civiles. El Estado Liberal y la Restauración. Perez Galdós y el naturalismo en España. Las nuevas literaturas nacionales en Sur-america—Rubén Dario.—Rodó. La "Generación del 93". La sociedad española hasta la guerra civil—Romulo Gallegos Gabriela Mistral. Contemporary literature.

Books of Reference: Historia de la Literatura Espanola. Valbuena (3 vol.) Historia de Espana. Antonio Ballesteros—Martinez-Amador. Diccionario.—Coleccion Austral para obras de literatura—Historia de las Literaturas Hispánicas. Diaz—Plaja—Editorial Espasa—Calpe para Obras de historia—Fondo de Cultura de Mexico y Editorial Aguñar para ciencias sociales.

6. For Honours and M.A. students.

First term: La Mistica y la ascetica españolas.

Second term: El Teatro Espanol. (Misterios.—Miracle plays.—Juan del Encina.—La Celestina.—Epoca anterior a Lope de Vega.—Torres Naharro.—Lope de Rueda.—El teatro español del siglo 17.—Lope de Vega—Calderon—"Los Autos" Tirso de Molina—Y la leyenda de Don Juan.—S. 18) Moratin y Ramón de la Cruz.—Siglo 20 Jacinto Benavente.) Students will be expected to have a general knowledge of Spanish history. Reading will be recommended.

## RUSSIAN

**Elementary Russian.**—M., W. and F. at 9 a.m. Irène Coffin

This class is intended for those beginning the study of the Russian language.

Text Books—N. F. Potapova: "Russian Elementary Course"—Vol. I. Lermontov: "Taman".

**Russian 1.**—Tu., Th. and S. at 11 a.m. Irène Coffin

Prerequisite.—Elementary Russian.

Text Books—N. F. Potapova: "Russian Elementary Course"—Vol. II. Two short stories by Pushkin.

**Russian 1S. (Scientific Russian).**—Tu., Th. and S. at 11 a.m. Irène Coffin

This class is intended for those who wish to read scientific articles as quickly as possible. It is taught in conjunction with Russian 1. No student may register for both Russian 1 and Russian 1S.

Text Books — N. F. Potapova: "Russian Elementary Course" - Vol. II. Znamensky: "Elementary Scientific Russian Reader" [Sir Isaac Pitman & Sons, (Canada) Ltd.].

Higher work in Russian may be arranged by consultation with the instructor.

**Sociology:** see Economics  
**Spanish:** see Romance Languages  
**Zoology:** see Biology